

# Presidency University

## PRASANGIKI



The Annual Report of  
Presidency University (formerly Presidency College), Kolkata  
196th Founders' Day, 20th January 2013

**Prasangiki**  
**Annual Report of Presidency University, Kolkata**  
**(Formerly Presidency College)**

**20 January, 2013**  
**196<sup>th</sup> Founders' Day**



**Presidency University**  
**Kolkata**

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## **Prasangiki**

Annual report of the activities of different departments of Presidency University (formerly Presidency College), Kolkata, for the year 2012

**196th Founders' Day  
20 January, 2013**

*Published by Prof. Malabika Sarkar, Vice Chancellor, Presidency University, Kolkata*

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# Prasangiki 2013

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Celebrating the 150<sup>th</sup> Birth Anniversary of  
Upendrakishore Raychowdhury



**10th May 1863 - 20th December 1915**

Remembering Dwijendralal Roy in his  
150<sup>th</sup> Birth Anniversary



**19th July 1863 – 17th May 1913**

## Founders' Day

Presidency University is poised at a very interesting stage at present: as the erstwhile Presidency College, it can justifiably take pride in nearly two centuries of intellectual achievement; as a university in its infancy, it can look forward to immense possibilities in the near future. Most of us who have joined this university recently as teachers have done so with dreams of creating an academically vibrant and stimulating environment which will enable this august institution to carve out a niche for itself in the global academic map. For some of us, it is indeed a very emotional homecoming and we are conscious of both the privilege and the responsibility it entails in returning to serve our Alma Mater.

Presidency University has been accorded a special status and it must be our collective endeavour to prove ourselves worthy of this distinction that has been granted to us. It would be idle to merely rest on past laurels and expect to be taken seriously. We have to consolidate the tradition of scholarship by introducing innovative teaching methods, by encouraging inter-disciplinary studies, by taking up collaborative research projects with reputed institutions both within the country and abroad. The work that lies ahead is challenging: the general infrastructure needs to be improved; libraries need to be modernized and expanded; laboratories need to be upgraded to make them at par with world standards; computing facilities – especially the rich storehouse of digital archives – have to be made accessible not only to faculty members but also to the wider student community. We need more and better equipped lecture rooms and also office space for faculty members. Situated at the heart of the city, our university faces a severe space crunch and we have to explore the ways in which optimum use can be made of the limited space available to us.

Our wish list for Presidency University may seem utopian but it is always nobler to dream big. Financial and other constraints may seem to impede progress and the improvements on the ground may not keep pace with our desires. We must be patient and remind ourselves that Rome was not built in a day. The process of building Presidency University into a world class institution will require vision, selfless devotion, and commitment to hard work. It is a process in which the efforts of teachers, students and administrative staff will complement each other. Already there is a palpable sense of excitement on campus, an excitement generated by being a part of something new, something that has a tremendous potential for scaling new heights. Let us all work together harmoniously to realize this dream and justify the faith that prompted the conferring of university status on this institution which has contributed so much to the intellectual, social, cultural and political life of Bengal.





### *From the Vice Chancellor's Desk*



The year that has gone by has been truly an incredible year for Presidency University. 2012 began with hopes and aspirations, but also with anxiety, uncertainty and some misgivings. It was then a little over two months since I had taken up my present assignment. Understandably, those who had been at Presidency for the past several years were unsure about how things would unfold, what my attitude would be. I was also aware that the world outside, alumni across India and in many different countries, well-wishers of Presidency who were not alumni themselves, were all wondering how this great institution would reshape itself. For all of us, this was a huge responsibility. I hope expectations have not been belied and we can now take comfort in having achieved a measure of success.

In the early days, it was important for Presidency to become brand conscious in the way that the best universities in the world are. We needed to position ourselves as a potential centre of excellence in order to be able to attract the best talent to this university. Presidency began to host events with an international exposure, something that had not happened here for quite some time. The first event of the year was the annual Professor Dipak Banerjee memorial lecture, this time delivered by the Nobel laureate in Economics, Professor Joseph Stiglitz. Professor Stiglitz charmed everyone, and it was wonderful to see his interactions with students who surrounded him to ask for his autograph. In February, the annual international conference of the Centre for Studies in Romantic Literature was held at Presidency and gave students a chance to interact with the distinguished Byronist from the University of St. Andrews, Jane Stabler, and the charismatic Ann Wroe from London, a specialist in Shelley. Next month, in March, the Oxford Vice-Chancellor, Professor Andrew Hamilton, chose to host a reception, jointly with me, at Presidency, for members of the Cambridge and Oxford alumni group in Kolkata and all faculty of Presidency College. All of these events were widely reported in the media and Presidency could be said to have achieved some visibility within the international radar.

As the calendar page changed and we moved to April – arguably one of the “cruellest month(s)” for Presidency as we discovered that no funds had been sanctioned for us in the Government’s budget – T.S. Eliot’s “mixing

memory and desire” was at that time a felt experience and convinced me that my initial assessment was right, that if Presidency was to become a centre of excellence in the way all of us wanted it to be, we should not rely only on government funding but should explore other funding options. I had already set up, with the approval of the University Council, the Presidency University Vice Chancellor’s Fund for Excellence and we now began to explore tax exemption options.

Meanwhile, the state-wide embargo on appointments having been lifted in November 2011, we began advertising faculty positions from January and the process of selections began in April. This has been without doubt one of the most exciting things to have happened at Presidency this year, and has truly earned it national recognition. Response to the advertisements was overwhelming. Hundreds of online applications were received, together with large numbers handed in personally. A process of sorting and short-listing of applicants for the post of Assistant/Associate Professors had to be conducted by outside experts from the relevant disciplines, making sure that the best applicants, judged carefully following strict academic standards, were called for interview. The final selection was through interview, and the selectors were the Chancellor’s nominee and two subject experts of acknowledged distinction in their own field. These distinguished scholars, almost all from outside West Bengal, were surprised and pleased both with the quality of the applications and with the fact that there was no interference, either from the government, or from the university administration, during the process of selection. The fact that outstanding applicants could be selected purely on the ground of merit, made the selection process at Presidency University a rewarding experience.

In October 2012, I was invited to join an all-India group assembled in Delhi to prepare a white paper on excellence in higher education. It warmed my heart to find speaker after speaker referring to Presidency University and its faculty selection process as a role model which should be followed across India. It was the same at the FICCI/ Planning Commission summit on Higher Education where I was invited as plenary speaker and where again there were many positive references to our university. It was very satisfying to find that Presidency University had achieved a measure of national recognition.

I had always felt that Presidency is truly like a magnet, that there is an intangible, powerful spirit of the place that has always drawn the best minds towards it. After all, some of the greatest scientists as well as some of the greatest scholars in the humanities in this part of the world walked down the corridors where we walk today, the rooms and archways are silent witnesses to their presence, making Presidency an inspirational place. The commitment of the excellent new faculty who have joined Presidency, both as Professors and as Assistant and Associate Professors, is a sign that Presidency will once again earn recognition as one of the greatest centres of higher education in India.

This bridging of a glorious past and a glorious future beginning to unfold was showcased by three events that took place this year. On 31<sup>st</sup> January 2012 the Royal Society of Chemistry, U.K., awarded a plaque to Presidency in recognition of Acharya Prafulla Chandra Ray’s pioneering work in chemistry. This was the first RSC plaque to be awarded outside Europe and it came to Kolkata and to Presidency. On 15<sup>th</sup> September, IEEE of USA awarded a plaque to Presidency in recognition of the pioneering work in Physics, the first experiment in millimetre wave communication, of Acharya Jagadish Chandra Bose. This was IEEE’s first award of its kind in India and was again

a recognition of Presidency's outstanding heritage. Between these two events the announcement appeared that Professor Ashoke Sen, Presidency alumnus and member of the Presidency University Council and the Presidency Mentor Group, was one of the recipients of the prestigious inaugural Yuri Milner Fundamental Prize in Physics. On 22<sup>nd</sup> December Presidency was privileged to offer him a felicitation.

29<sup>th</sup> November was another landmark date for Presidency University, the beginning of an important international collaboration. Presidency signed an MOU with Trinity College Dublin, the premier university of Ireland, which has long shared a bond with the universities of Oxford and Cambridge. This university-wide MOU for the two institutions was for the purpose of student exchange, faculty exchange and research collaborations. On this occasion the Honorary Consul General for Ireland in Kolkata offered to support students from Presidency by instituting the Keventer's Scholarships.

Perhaps the crowning moment of the year arrived in December when the UGC declared Presidency University an Institution of National Eminence.

As I reflect on all that Presidency has achieved during the year, I remember the wish-list I recorded in the *Prasangiki* last year – a lift and urgent repairs for the Baker Building, installation of fire-safety systems, the creation of green spaces. Order for the lift has been placed and the lift should start functioning by the end of March. Concrete plans are now in place for the Baker Building renovation. The garden behind the imposing staircase of the Main Building is a source of immense pleasure to all.

In the year ahead, it is hoped that a part of Hindu Hostel will be converted to an international guest house for visiting faculty, with a Faculty Club on the ground floor; plans for the second campus in the 10 acre land Presidency has received from the government will gradually evolve; the History of Science Museum and the memorabilia shop will become a reality. Most important of all, it is surely everyone's wish that the sciences, humanities and social sciences at Presidency will set new standards of excellence.

As I talk to Presidency's new faculty, as we share our hopes and aspirations for Presidency University, I am drawn again and again to William Blake's powerful poem, *Jerusalem*. We, too, will surely "not cease from Mental fight", we too will call upon our own "Chariot of fire", and, I am sure, in the not too distant future, the Presidency of our dreams will become a reality.

I take this opportunity to wish everyone a Happy New Year!

*Molobika Sarkar*

Vice Chancellor  
Presidency University

## Photo Gallery

### 195th Founders' Day celebration



Professor Malabika Sarkar, Hon'ble Vice-Chancellor of Presidency University is inaugurating the 195th Founders' Day celebration.



Professor Amal Mukhopadhyay, Chief Guest of the 195th Founders' Day celebration is garlanding the statue of Henry Louis Vivian Derozio.

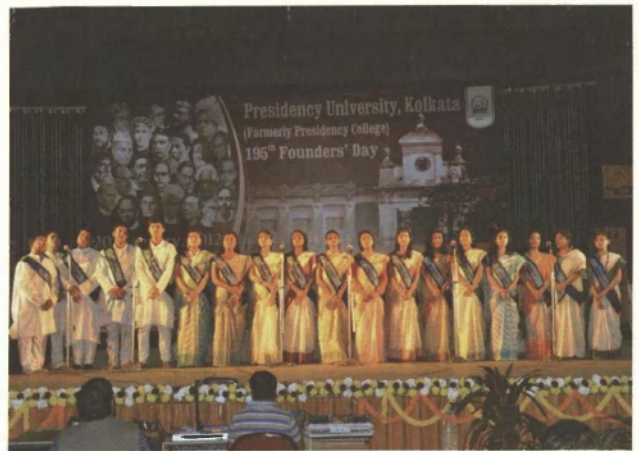


Sri Sankha Ghosh, President of the 195th Founders' Day celebration is garlanding the statue of Netaji Subhas Chandra Bose.

## 195th Founders' Day celebration



Sri Sankha Ghosh, President of the 195th Founders' Day celebration is addressing the audience.



The University Choir is performing on the occasion of 195th Founders' Day celebration.



Reunion at the University lawn on 20th January 2011.

## Important events



Hon'ble Vice-Chancellor Professor Malabika Sarkar is receiving the Chemical Landmark Plaque in honour of Acharya Prafulla Chandra Ray from Dr. Robert Parker, CEO, Royal Society of Chemistry.

Prof Joseph Stiglitz, Nobel laureate is delivering the Fifth Professor Dipak Banerjee Memorial Annual Lecture.



Prof Rebecca Manning of the Department of Religious Studies, Indiana University, Bloomington is speaking in a seminar organized by the Department of Bengali.

## Important events



Hon'ble Vice-Chancellor Professor Malabika Sarkar is addressing on the occasion of IEEE Milestone Plaque Dedication Ceremony in honour of Acharya Jagadish Chandra Bose.

Hon'ble Vice-Chancellor Professor Malabika Sarkar is addressing the freshers in the orientation programme of the new batch of undergraduate students.



Signing of MoU between Dr. Patrick Prendergast, Provost and President, Trinity College, Dublin and Professor Malabika Sarkar, Vice-Chancellor, Presidency University in presence of Mr. Mahendra Kumar Jalan, Honorary Consul, Consulate of Ireland in Kolkata.





RSC International Chemical Landmark Plaque.



IEEE Milestone Plaque.



Professor Dipankar Gupta is delivering a talk in a seminar organized by the Sociology Department.



Inauguration of the Presidency-CAIRN Technology Day Celebration.



## Felicitation of Professor Ashoke Sen



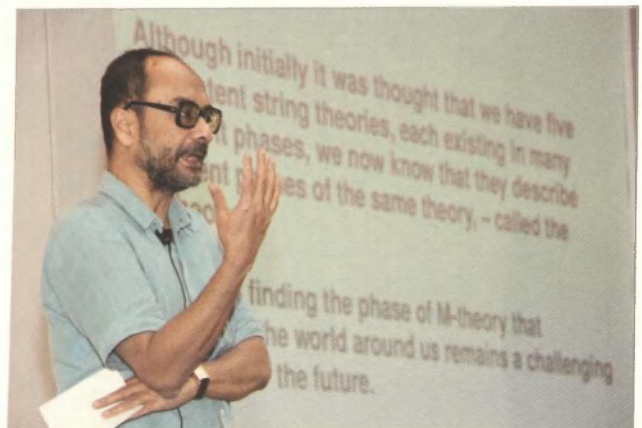
Dr. Rajesh Gopakumar of Harish-Chandra Research Institute is speaking in the felicitation ceremony of Professor Ashoke Sen.



Dr. Gautam Mandal of Tata Institute of Fundamental Research is paying his tribute to Professor Ashoke Sen.



Professor Malabika Sarkar is presenting the memento to Professor Ashoke Sen.



Professor Ashoke Sen is delivering a public talk on "Search for a Unified Theory".

## Udayan Mukherjee Memorial Debate



Professor Malabika Sarkar, Honourable Vice-Chancellor is inaugurating the Udayan Mukherjee Memorial Debate. Sri Prasad Ranjan Ray was the moderator.

Sri Asim Chatterjee, eminent alumnus is speaking in favour of the motion. Taniya Bharadwaj (third from left) was adjudged one of the best speakers.



Sri Gaurav Garg leader of the 'Past' team is countering the arguments of the 'Present' team in the concluding session.

### Major Events of the University

**195<sup>th</sup> Founders' Day Celebration:** The University celebrated its 195<sup>th</sup> Founders' Day on 20<sup>th</sup> January 2012 with customary enthusiasm. Poet Sankha Ghosh, an alumnus of Presidency College presided over the function and former Principal of Presidency College, Professor Amal Mukhopadhyay was the Chief Guest. Hon'ble Vice Chancellor, Professor Malabika Sarkar addressed a warm welcome to the guests in the Derozio Hall. The University Choir put up songs in keeping with the occasion. Professor Manu Auddy and Professor Nandalal Chakrabarti read out sections of Prasangiki followed by the Annual Prize Distribution ceremony where students were awarded certificates, medals and prizes for academic excellence and for co-curricular activities. The programme was conducted by Dr. Debashish Sen and Dr. Anik Chatterjee. The cultural programme organized by the University Choir was followed by the reunion organized by the Alumni association on the University lawns. On the 19<sup>th</sup> of January 2012, as a part of the Founders' Day Celebration, a Past versus Present cricket match was played.

**Republic Day Celebration:** On the 26<sup>th</sup> of January, 2012 the University observed Republic Day. The National flag was hoisted by the Hon'ble Vice-Chancellor and a programme was presented by the University Choir.

**Awarding of the Prafulla Chandra Ray Plaque:** A plaque in honour of Acharya Prafulla Chandra Ray was awarded to the University by the Royal Society of Chemistry (RSC), United Kingdom on the 31<sup>st</sup> of January, 2012. The Chief Executive of the RSC, Robert Parker unveiled the plaque.

**Meeting with the V.C. of Oxford University:** On March 24<sup>th</sup>, 2012, the Vice Chancellor of Oxford University, Professor Andrew Hamilton met Vice Chancellor Professor Malabika Sarkar and talked to students of Presidency University about studying in Oxford.

**Orientation of the first semester of Undergraduate Courses:** On 9<sup>th</sup> July 2012 the First Semester of undergraduate classes of Presidency University for the academic session of 2012-2013 was formally inaugurated in the Derozio Hall. The Hon'ble Vice Chancellor; Professor Malabika Sarkar addressed the students. Heads of all the Departments were present at the inauguration. The University Choir sang on this occasion. The Dean of Students, Deboshruti Roychowdhury coordinated the event and was present at the orientation. Students were taken to their departments by the respective Heads and introduced to the rest of the faculty.

**Independence Day Celebration:** On the 15<sup>th</sup> of August, 2012 the University celebrated the 65<sup>th</sup> year of the nation's Independence. The Vice Chancellor hoisted the national flag and teachers, students and members of the non-teaching staff were present on the occasion. The University Choir put up a performance in keeping with the spirit of the occasion.

**Orientation of the 1<sup>st</sup> Semester of Post Graduate Courses:** In September 2012 the first semester Postgraduate students of the University were welcomed by the Vice-Chancellor. The Dean of Students, Deboshruti Roychowdhury, the Heads of the Departments and other faculty members were present at the orientation.

**Dedication of IEEE Milestone Plaque for J.C. Bose:** On 15<sup>th</sup> September, 2012 the Institute of Electrical and Electronics Engineers (IEEE) awarded the Milestones Plaque in the memory of Sir J.C. Bose. This award was given to the University, by the President Elect of the IEEE, Prof. Peter Staecker, at an event in September 2012, where the contribution and current relevance of Professor Bose's work was discussed in a series of talks.

**FAEA Workshop :** A national workshop under the aegis of Foundation for Academic Excellence and Access (FAEA) was organized from 6 to 15th October 2012 at AJC Bose Auditorium of the University. 34 FAEA Scholars from different parts of the country participated in this workshop.

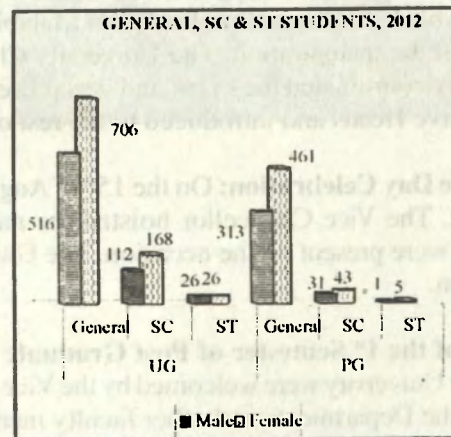
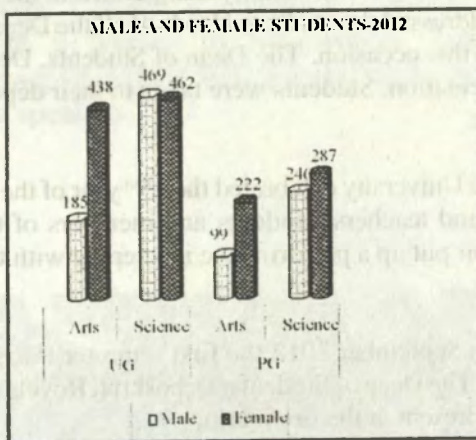
**Signing of the MOU with Trinity College Dublin:** On the 29<sup>th</sup> November a Memorandum of Understanding was signed between Trinity College, Dublin and Presidency University, Kolkata. Two postgraduate students of Presidency University will be offered the Keventer Scholarship by MK Jalan, the consul of Ireland in Kolkata, to study at Trinity College for a year.

**Udayan Mukherjee Memorial Debate:** The Udayan Mukherjee Memorial Debate between the past and the present students of Presidency was held this year on 21st December at the Bankim Sabha Griha. The motion for the debate this year was: In the opinion of the house, "Sponsored opposition is the currency for democracy in India today". The 'Past Team', comprising Ashim Chatterjee (Kaka), Gaurav Garg, Neelanjan Chatterjee and Taniya Bhardwaj, defended the motion, while the present students opposed the motion. The 'Present Team' was represented by Ujaan Ghosh, Waled Adnan, Sohail Abdi, and Satyaki Majumder. After a long gap the 'Past Team' won the debate. Ujaan Ghosh and Taniya Bharadwaj were adjudged the best speakers. The judges for the competition were Prof. Mamata Ray, former Principal, Presidency College, and currently, Pro Vice Chancellor (Finance), Calcutta University, and Prof. Subhas Chakrabarty, former professor of History, Presidency College. The Moderator for the debate was Shri Prasad Roy, IAS (Retd.). The Hon'ble Vice chancellor, Presidency University, Prof. Malabika Sarkar welcomed the guests and past students to this annual event. The Registrar of the University, Prof. Prabir Dasgupta was present on the occasion. Shri Partha Sarathi Sengupta, who created the endowment fund for the annual Udayan Mukherjee Memorial Debate, was also present during the event. The programme was initiated by Prof. Anik Chatterjee, Debashruti Roychowdhury, Dean of Students of Presidency University proposed a vote of thanks.

**Felicitiation of Professor Ashoke Sen:** Professor Ashoke Sen, an alumnus of the department of Physics, Presidency College and a member of the Presidency University Mentor Group, was felicitated by the University at an event organized on the 22<sup>nd</sup> of December, 2012. Professor Sen delivered a public talk at the University on this occasion.

**Student Strength of the University**

The total student strength of the University is 1,996. Of them 1,167 are females and 829 are males. The detailed break up according to stream and social identity is provided in the following figures.



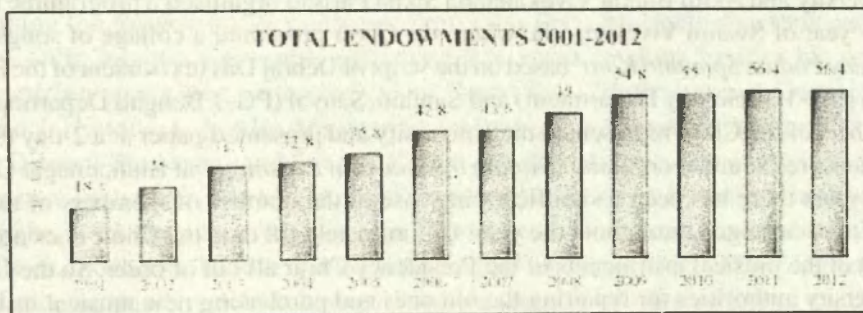
**Prizes and Scholarship Awarded to the Students**

Name of the Scholarship	Total Amount in Rs.	Number of Students
Medals	9,190	17
Cash Prizes	61,200	31
Book Prizes	22,351	44

National Scholarship	75,000	10
T.S. Sterling Scholarship	25,00,814	14
T.S. Sterling One Time Grant	16,00,816	16
Hindi Scholarship	36,000	6
Graduate Scholarship	32,000	20
Merit-Cum Mean Scholarship	3,06,000	20
Hostel Stipend	25,00,811	11
Poor Student Fund	1,19,000	45

### Trust Fund and Endowments

The University presently has 132 endowments amounting to a total of Rs. 65,06,850. This fund which has been raised by generous donations from former teachers, alumni and well wishers is used in awarding prizes, scholarships and in organizing college programmes as well as seminars. These endowments are important not only because of their monetary value but more important is the fact that these are associated with cherished memory of the loved ones. A complete list of all endowments is given in appendix – 4.

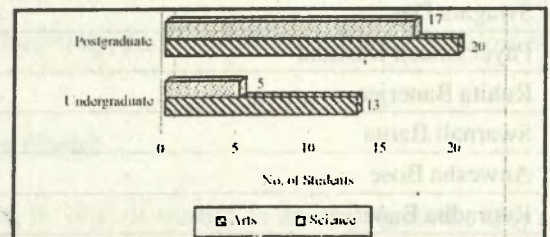


### An Appeal

With the continued falling interest rates on fixed deposits and all appeals from the University for income tax exemption falling on deaf ears, many of the endowment for scholarship prizes and medals are almost on the verge of extinction. Moreover, a sizeable number of students are coming from extremely poor families who are in need of special financial assistance. With the existing funds it will not be possible to do justice to these students. Thus, the endowments need to be enhanced. The University sincerely hopes that the well wishers will respond positively to this challenge.

### Free Studentship

Stream	Undergraduate	Postgraduate
Arts	13	20
Science	5	17
Total	18	37



### Presidency Choir

Presidency Choir remains the common cultural platform of the students and teachers of Presidency University. It has been growing to new heights of achievements ever since its inception with the constant encouragement of the authorities and the guidance of the faculty members.

On 195<sup>th</sup> Founders' Day the Choir presented two Rabindrasangeet *Bahe nirantara amanta anandadhara* and *Eki*

labonya purna pran as the opening and closing songs along with a Dwijendrageeti *Dhyamodhyanya puspa vora* to celebrate the starting of Dwijendralal Roy's 150<sup>th</sup> Birth Anniversary . A dance-drama, on baul philosophy named '*Aarshinagorer Ochin Katha(A search for the Eternal)*' was staged by numerous present and a few ex-students based on the script of Ratul Ghosh and Ananya Chanda (both ex-students of the Bengali department). Ananya Chanda (ex-student Bengali department) directed the vocals while Somjit Chattopadhyay (ex-student of the English Department) composed the background score. Ratul Ghosh (ex-student Bengali Department) planned the stagecraft while the dances were choreographed by Swarnali Barua, June Banerjee, Pritha Das, Paramita Maity and Kasturi Chakraborty. Soma Basu, convener of the Choir, was in charge of overall direction and coordination. Each department was involved in the programme and it would not have been possible without the cooperation and support of Prof. Debasish Sen, Smt. Sulata Kundu Khan of the Science library who have rendered invaluable assistance. A total of 16 successful student-participants (out-going UG and PG students) received certificates.

On 17 February 2012 the Choir presented the opening song *Sangachadwang* at the inauguration ceremony of Acharya P. C. Ray National Young Scientist's Conference. On 9 July 2012 the Choir sang the song *Tumi je eshecho mor bhabane* at the UG orientation ceremony. On 15 August 2012 the Choir presented two songs *Bistirno duparer* and *O amar desher mati* along with the national anthem while Sandipan Mitra (UG-1 Sociology Department) recited the poem '*Bharat-tirtha*'. The Choir presented the song *Viswavidyatirthaprangana* on the orientation day for PG. On 15 October 2012 (Mahalaya) a collage of dance-song-recitation named '*Agomoni Alo*', based on the script of Debraj Das (ex-student of the Bengali Department), was staged by the Choir at the valedictory session of FAEA. On 23 November 2012 Presidency University and Akhil Bharat Vivekananda Sikha Parisad organised a programme to commemorate the sesquicentennial birth year of Swami Vivekananda, where the Choir presented a collage of songs and recitations in a programme titled '*Hriday Padma Spandito Koro*' based on the script of Debraj Das (ex-student of the Bengali Department).

Sandipan Mitra (UG-1 Sociology Department) and Samhita Sanyal (PG-1 Bengali Department), both very active and enthusiastic members of the Choir represented the University and presented paper at a 2-day (9-10 February 2012) national level UGC sponsored seminar on '*Rabindranath o Samakalin Prasanga*' at Bidhannagar Government College.

In the last few years there has been a significant increase in the number of members of the Choir and regular rehearsals are needed to be arranged throughout the year. Unfortunately till date the Choir does not have any rehearsal room of its own. Most of the musical instruments of the Presidency Choir all out of order. So the Choir has applied for a grant from the university authorities for repairing the old ones and purchasing new musical instruments. The Choir also needs new Sashes since the existing ones bear the name of the erstwhile Presidency College. The Choir is planning for a re-union during the month of March-April and aims to release a magazine on behalf of the Choir on that occasion.

From 2005 Presidency College has been distributing certificates to the successful performers of the Choir. The following are the recipients of the certificates for this year:

Undergraduates	
Name	Department
Bidisha Basu	Bengali
Swagata Das	Bengali
Payel Ghosh Dastidar	Geography
Ruhita Banerjee	Geography
Swarnali Barua	Geography
Anwasha Bose	Political Science
Rupradha Banerjee	Political Science
Sukanya Kar	Political Science
Pranjan Roychowdhury	Sociology
Postgraduates	
Name	Department
Suchismita Ghosh	Bengali

Aparajita Barai	Botany
Riya Bari	Botany
Rizwi Shahnaz Rahman	Botany
Piyas Mukherjee	English
Arpita Roy	Political Science.

### Foundation for Academic Excellence and Access ( FAEA )

The National Workshop under the aegis of FAEA was organized by the Presidency University from 06–15 October 2012 in the Acharya J C Bose auditorium of the University. Thirty four ( 6 Girls and 28 boys ) FAEA scholars drawn from different parts of the country participated in this Workshop. The Workshop was inaugurated by Prof Malabika Sarkar, Vice-Chancellor, Presidency University and was graced by Prof Dilip Kumar Sinha, former Vice-Chancellor, Visva Bharati and Prof Sakti Pada Bhattacharjya, former Director, Institute of English, Kolkata. The participants had exposures through lectures, discussions, etc. on a wide diversity of areas affecting different fields of human activities. A visit to the Indian Museum, Kolkata, coupled with some lecture demonstrations enriched the variety of the Workshop. There were several experts and practitioners who had good interactive sessions with the participants. Some of the faculty members, university officials, staff and students also took leading roles in shaping the Workshop. In particular Prof Sakti Pada Bhattacharjya took part actively throughout the Workshop; Prof Dilip Kumar Sinha also participated in some sessions besides his scheduled lecture. The members of the organizing committee particularly Gour Gopal Ray ( Mathematics ), Devasish Sen ( Physiology ), Jayasree Mukherjee ( History ), Jaydip Mukherjee ( Geology ), Oyndrila Sarkar ( History ), Deboshruti Roychowdhury ( Dean of Students ) and Syamal Kumar Basak ( Mathematics ) put in their earlier experiences with FAEA programmes so that this Workshop could be steered effectively. Somehow or the other, the brunt of the work on organizing the Workshop was shared by the Department of Mathematics of the University.

Seeking feedback and inputs from the participants formed an integral part of the programme of the Workshop. Such sessions were accompanied by cultural programmes in some of which students of the University could show their mettle.

The valedictory session was addressed by Prof Malabika Sarkar, Vice-Chancellor, Presidency University Prof V R Mehta, Member Secretary, FAEA and former Vice-Chancellor, Delhi University, Prof Kausik Gupta, Vice-Chancellor, West Bengal State University, Prof Bharati Ray, former Pro-Vice-Chancellor, University of Calcutta, Mr Alope Mookherjea, former Chairman, CII Eastern Region, Prof Dipak Kar, Principal Asutosh College, Kolkata, Prof Debdas Ray, Dean, Asutosh College, Kolkata and Prof K K Panda, Member FAEA and former Registrar, Delhi University. The guests were welcomed by Prof Prabir Dasgupta, Registrar, Presidency University and the vote of thanks proposed by Prof Aneek Chatterjee, Professor and Head of the Department of Pol Science, Presidency University.

In sum the Workshop, the first of its kind in Presidency University, came out to be a success in terms of fulfillment of the wider aims and objectives of FAEA.

### Government Eden Hindu Hostel

The Government Eden Hindu Hostel is now 127 years old. In 1886 it started as an undergraduate Boy's hostel of Presidency College, Kolkata. In order to accommodate Post Graduate students and research scholars of Presidency College, the heritage building was extended in 1988. This hostel is one of the largest hostels of this country. Many renowned personalities like Dr. Rajendra Prasad, the first President of India, were the boarders of this hostel. At present the hostel is divided into Six wards. The hostel comprises 274 boarders that include Under Graduate and Post Graduate students. The students come from all religions and castes and share a common platform without any discrimination.

The performance of the students both in academic and extra curricular fields was reasonably satisfactory.

Students of this hostel participate actively in games and sports like Football Cricket, Volleyball, Table Tennis etc. Tournaments are held seasonally and the Annual Athletic meet was also started from 2005. Besides sports, the boarders organize different cultural activities during Saraswati Puja, Reunion, Fresher's welcome, Farewell Ceremony. The hostel has two libraries, one for text books and other for fiction and valuable journals. The hostel mess system is running satisfactorily.

The authority tries its best to fulfill the expectations of the students and to maintain an ideal environment.

### **175th Anniversary of Presidency University Girls' Hostel**

Presidency University Girls' Hostel is now fourteen years old. It provides accommodation to the girl students coming from distant places. The authority tries its best to maintain its environment ideal, secure and safe.

The hostel comprises 91 boarders that include students of undergraduate and of postgraduate classes.

The boarders organized different cultural activities throughout the year. The Saraswati Puja and the Freshers' welcome were very much enjoyable events for them. There is a well equipped library. The authorities try to promote recreation activities like arrangement of different games, provision for watching television etc. Vertical extension of the existing hostel building has already been started. It will provide more accommodation in near future.

There are five government, four non-government staff members and two casual workers engaged in routine daily duties and the Superintendent oversees the maintenance and the facilities available. We aspire for filling up and creation of different posts so that the authority would be able to extend more essential services to our boarders.

### **Presidency College Karmi Sanskritik Sangstha**

Employees of our college have been actively participating in different cultural activities in every year. This Sangstha is a broad platform of all members of this institution. Due to some unavoidable circumstances no function could be arranged in the last year.

A "Co-operative Health Fund" has been set up to make funds available without charging any interest, to serve the families of the staff members who are not in position to meet the staggering expenses incurred in difficult cases of ailment. Any kind of donation to this fund will be gratefully appreciated.

### **The Presidency College Cooperative Society**

Co-operative is a voluntary association of persons organized to look after their common interest through mutual co-operation. The society has completed 90 years of dedicated service to its members. At present the total number of operating members is 148 and number of share holders is 343. The maximum limit of loan to be sanctioned to the individual member has been increased to Rs. 1,00,000/- (Rupees one lac only) as long term loan. The amount of loan sanctioned to the members on emergency basis (within 24 hours) is Rs. 30,000/- (Rupees thirty thousand only) as short loan.

As a token of appreciation of their success in Madhyamick and H.S. examinations, the children of the members were given Prizes with a view to encourage them for higher studies. The Prizes were awarded at the Annual General meeting of the Society held on 16th March, 2012. at A.J.C. Bose auditorium, Retired members of the Society were presented a token gift. The meeting was chaired by Satadip Sarkar, Chairman of the Society Prof. Timir Baran Jha, O.S.D. addressed the members. Accounts Officer, Our special guest, spoke on the merits and demerits of the co-operative Society. The Registrar Dr. Pradip Kumar Sengupta welcomed the assembled members at the A.G.M. on 16.3.2012. Sri Tarun Kanti Roy expressed his gratitude to all members of the society. Our Treasurer, Sri Bishu Adhikary presented the audited accounts for the financial year 2010-2011. Gifts were presented to all the members of the co-operative Society on that day. The Board of Directors.



Of the Society are :

- |    |                     |   |           |
|----|---------------------|---|-----------|
| 1) | Sri Satadip Sarkar  | - | Chairman  |
| 2) | Sri Tarun Kanti Roy | - | Secretary |
| 3) | Sri Bishu Adhikary  | - | Treasurer |

**Members:**

- 4) Sri Biren Bandhopadhyay
- 5) Sri Kartick Ch. Sarkar
- 6) Sri Samar Nath Sur
- 7) Sri Mrinal Kanti Das
- 8) Sri Babulal Das
- 9) Sri Rintu Dey
- 10) Sri Haribandhu Hira
- 11) Dipak Roy

Sri Kartick Sarkar, Tarak Nath Prasad, Ram Nath Prasad and Sankar Hela-II, Joydeb Das were elected as Assisting staff of the Society.

**Report of the Alumni Association**

The Presidency College Alumni Association has been renamed as Presidency Alumni Association consequent upon the change of status of Presidency from college to university. Being established in 1951, this is the only official alumni association of Presidency University with its registered office at the Presidency University, Main Building. Various alumni groups of Presidency stationed outside Kolkata or India stay in touch with the alumni association. The official website [www.presidencyalumnical.com](http://www.presidencyalumnical.com) announces all important news and activities of the association from time to time and also hosts the list of all alumni members and their coordinates. At present the association has around 4000 members. The association plays a vital role not only in maintaining a liaison between the past and the present students but also in providing various academic and financial supports to the university. The association has recently instituted a public trust with a view to providing scholarships to the toppers and rendering financial assistance to the university as and when required.

**Assistance to College: Endowments and Donations**

The following endowments have been continued. Sm. Dalia Datta has donated Rs. 1,00,000 in memory of her father Satyabrata Ghosh, from which two prizes will be given to students who score the maximum marks in Physics (Part II) and Physics (Part III) examination, respectively. Shri Gopendra Nath Roy has donated Rs. 30,000 in memory of his father Balai Charan Roy, from which one prize will go to the student who scores the maximum marks in M.Sc. Physics. Dr. Sisir Kumar Mazumder has created an endowment of Rs. 1,00,000 for oration on Science and Humanities. Shri Parthasarathi Sengupta has donated Rs. 1,00,000 and Shri Saktinath Mukherji has donated Rs. 20,000, Shri Animesh Sen Rs. 25,000, Shri Subir Dutta Rs. 25,000 and Shri M K Chaudhury Rs. 1000, that is a total of Rs. 1,71,000 has been collected to create an endowment in the honour of Atul Chandra Gupta, the first President of the Alumni Association, with a view to felicitating a distinguished alumnus every year.

**Publication :** On the occasion of the Founders' Day celebration, the 40<sup>th</sup> volume of the *Autumn Annual*, under the Chief-Editorship of Sm Nabaneeta DevSen and the Editorship of Shri Shyama Prasad Mukherjee, was released on 20 January 2012.

**Scholarship To Students :** The Alumni association in collaboration with Anant Education Initiative has instituted a Presidency Alumni-Anant scholarship for the meritorious but economically weaker students of Presidency

University. The maximum scholarship value will be in total Rs. 3 lakhs per year to be shared by maximum 25 students. This year fourteen selected students were offered scholarships in a function dated 7 July, 2012. Hon'ble Governor and Chancellor of the University Shri M K Narayanan handed over the scholarships to the students in presence of the Vice Chancellor.

**Bijoya Sammilani :** Bijoya Sammilani was organized on 24 November, 2012 at the Derozio Hall. Shri Bhaskar Chaudhuri, Alumnus, and his team enthralled the audience.

**Seminar Lecture :** A seminar lecture was organized in association with the English Department to commemorate the bi-centenary birth anniversary of Charles Dickens on 5 October, 2012 as a part of Dr. Sisir Kumar Mazumder Endowment Lecture. Prof. Sajni Mukherjee, alumnus, delivered a lecture on ' Charles Dickens and Some Calcutta Connections'. Prof. Santa Dutta, Head, Department of English introduced a short play staged by the present students. Vice- Chancellor Prof Malabika Sarkar was present.

**Past vs Present Cricket Match :** The Annual Cricket Match between the past and present students was held at the College ground on 14 January, 2012. The present students won the match. Shri Bivas Chaudhuri, Secretary, Alumni association distributed the trophies.

**Founders' day celebration and Re-union Tea :** The Founders' Day of the college and Reunion for the year 2012 were celebrated on 20 January 2012. Shri Sankha Ghosh was the President and Prof Amal Mukhopadhyay acted as the Chief Guest in the function. The Alumni Association organized a Reunion Tea on the university lawn where the staff and students of the University were also invited. Around 1600 persons joined the function.

**Steamer Party :** On 19 February 2012, a steamer party was organized on the Hooghly River on the specially chartered '*Mayurpankhi Nao*'. The alumni, their family members and friends thoroughly enjoyed the trip.

**Annual Cultural Programme :** The annual cultural programme was held on 7 July, 2012 at the Derozio Hall, Presidency University. The programme was dedicated to the sesquicentenary birth anniversary of Swami Vivekananda, alumnus (1880-1881) of Presidency College. A musical programme in tribute to Swamiji written by Prof. Mantaosh Dasgupta, alumnus, and a Bengali drama, *kenaram becharam* were staged by the alumni. Shri Bibhas Chakrabarty, Smt Mamata Roy, Shri Prabudha Raha, Shri Bitanbindu Bandopadhyay Smt Swapna Kar and many other alumni performed in the function.

#### **Presidency Ex-Students' Association, Salt Lake (P.E.S.A., Salt Lake) :**

The Ex-Presidencians residing in Salt Lake, Kolkata, had been for the last three-and-a-half to four decades running an alumni association. This association has recently been christened as 'Presidency Ex-Students' Association' (i.e. P.E.S.A.), Salt Lake, and got itself registered under the West Bengal Societies Registration Act. Currently under the stewardship of Justice Ganendra Narayan Ray as President and Prof. Subrata Ghosh as Secretary, PESA (Salt Lake) organizes on fairly regular basis cultural and educational get-togethers of the Presidency alumni and their families and friends; these programmes are particularly liked by many of the elderly Ex-Presidencians of Salt Lake who, in spite of being members of the PCAA (Presidency College Alumni Association), cannot make it to the Derozio Hall at the Presidency University campus these days due to their frail health. Organising public lectures delivered by renowned experts on various important contemporary issues, felicitating very distinguished Ex-Presidencians in well-attended meetings, and developing strong inter-personal ties – full of warmth and spontaneity – among the Presidency alumni, are being undertaken by PESA with great passion. It is amazing to see the zeal and eagerness among the members of the PESA with which they like to come forward for assisting their alma mater in order that it develops into a world-class university soon.

## Department of Bengali

### News from the Department

Following the tradition of the previous years, this year also the Department of Bengali succeeded in maintaining its standard of excellence. Both the teachers and the students have been offering their best to enrich the academic and cultural ambience of the Department as well as the Institution. The challenge is huge; a new university, new syllabus and great public expectations are making our task challenging, but we are dedicated to excel in the field of teaching and learning.

### Performance of the students :

- A) This year the second batch of P.G students appeared in their Final Part-II examinations and 16 students out of 20 secured 1<sup>st</sup> Class. Sanhita Sanyal topped the merit list securing 68% of marks .
- B) In UG-III Examinations (in CU Final Examination) 8 students out of 30 obtained 1<sup>st</sup> Class.
- C) In B.A. Part-II Examinations (in CU ) the performance of the students is quite satisfactory. 15 students out of 30 have secured 1<sup>st</sup> Class in the Examinations.
- D) We feel very glad to note that 11 (eleven) of our ex-students have been selected for J.R.F this year .

### Cultural Programmes:

A good number of cultural programmes were organized by the students in the department throughout the year such as Freshers' Welcome, Teachers' Day Celebration, Baise Sraavan, etc.

### Seminars organized in the Department

Name of the Speaker	Institutional Address	Topic
<b>Prof Rebecca Manring</b> (Date : 02.01.2012)	<b>Department of Religious Studies, Indiana University, Bloomington.</b>	Gaudiya Vaisnava Hagiography
<b>Bhaskar Choudhury</b> (Date : 21.02.2012)	Department of Bengali, Shrerampore College.	International Mother Language Day.
<b>Swami Shatragyananda &amp; Prof. Amal Mukhopadhyay</b> (Date : 12.01.2012)	Belur Vidyamandir&Ex Principal, Presidency College(in collaboration with NSS unit)	150 Birth Anniversary of Swami Vivekananda.

### List of Publication:

#### Books :

- Bhattacharyya, D (2012)** Salemon. Kabiron : Budge Budge-c Subhas Mukhopadhyay, Boimela – 2012, Bangiya Sahitya Samsad.
- Rafshit, M (2012)** Rabindranath : Nirbachito Natak Sankalan (Edited), Alakananda pub., Kolkata; ISBN 978-81-923637-1-4

#### Papers in Journals :

- Bhattacharyya, D. (2012)** Byakti Rammohan : Kichu Kasto Katha, Kichu Alok Arjan, Korak Sahitya Patrika, Sharod 1419B, Ed. Tapas Bhowmick; pp – 54 – 62.
- Bhattacharyya, D. (2012)** Chari Gangar Tire, Ekusher Carya, July – December 2012, Ed. Sandipan Mitra; pp – 116 – 117.
- Bhattacharyya, D. (2012)** Balya-pronay, Dampatya ebang Byaktigata Bankimchandra, Jago Bangla, Utshab Sankhya

- 1419B, Ed. Srinjoy Bose; pp – 65 – 69.
- Bhattacharyya, D.** (2012) Kobitar Adiganta Swapnabhumite ( Book Review), Kali O kalam, Jayistha 1419B, May 2012, Ed. Abul Hasanat; pp – 133 – 134.
- De, S.K.** (2012) Ivan Petrovich Pavlov, Jnan-O-Bijnan, Bangiya Bijnan parishad, Vol. 65, No. 3, 10 March; pp. 149 – 150.
- De, S.K.** (2012) Bimal Mitrer Jiban O Sahitya, Nabakallol, Ed. Barun Chandra Majumdar, Bishesh nababarsha Sankhya, 53 Barsha, Pratham Sankhya, 1419B; pp. 110 – 113.
- De, S.K.** (2012) Rupe Swarupe Prabandha : Ekti Samiksha, Sahitya-O-Sanskriti, Ed. Sanjib Kumar Bose, Sarad Sankhya, 48 Barsha, 1419B; pp. 109 – 114.
- De, S.K.** (2012) Bimal Mitra O Ajana Kichu Katha, Ekusher Carya, Ed. Sandipan Mitra, Pratham Barsha, Pratham Sankhya, July – December 2012; pp. 166 – 171.
- Naha, D.** (2012) Bangla Shabdabhandarer Bibartan: sampratik prabanata, Uttaran, ed. Sasankashekhar Adhikary, Sarad Sankhya, Oct,2012, pp257-267.
- Naha, D.** (2012) 'SriRamkrishner ganer bhuvan'. Sharadiyo Matrishakti, 2012, edited by Kushal choudhury, Pub. by Lokmata Rani Rasmoni Foundation, page 567-584.
- Naha, D.** (2012) 'Rabindranather dristite adhunik banglasahitya', Rabi-prekshana, Rabindra janmasardha Satabarsha smarak grantha , edited by Dilip choudhury, Pub. by Tripura University, 2012, page 248-276.
- Rakshit, M.** (2012) Rabindra Natak Birodh Noy Samajik Samanjasya, In a Book 'Anustuper Rabindranath', Edited by Samir Sengupta & Anil Acharya, Anustup, Jan.2012 pp.498-524.
- Rakshit, M.** (2012) Bor-Balaramer balaram Puja : Ekti Samiksha, Suchana Patra, Vol – 8, January 2012; pp – 48-68.
- Rakshit, M.** (2012) Prabase Ahamer Base. Bahurupee, Vol – 117, May 2012; pp – 195 – 204.
- Rakshit, M.** (2012) Tumi ki Keboli Chobi, Parampara, 2<sup>nd</sup> Preparation Issue, April – June 2012; pp. – 17 – 20.
- Rakshit, M.** (2012) I Never Leave This Place : Hari Madhab Mukhopadhyayer Sakshatkar, Bratyajan Natyapatro, Vol-4 Sept.2012, pp. 129-150
- Rakshit, M.** (2012) Hinsratar Prekshite Aajker Chhatra samaj, Anustup, Prak Sharadia issue, 2012 pp.3-6
- Rakshit, M.** (2012) Theatrer Sarthokatai Asha Kori : Ashok Sener Sakshatkar, Anustup, Sharadia issue, 2012 pp.287-312
- Rakshit, M.** (2012) Mohitlal Majumdar-ke Likhito Patrabali: Bhumika O Patra Parichiti By Majumder, M & Rakshit ,M, Anustup, Sharadia issue, 2012 pp.755-787
- Rakshit, M.** (2012) Mohit Prasange Sunil Gangopadhyay-er Sakshatkar, Rangapat Natyapatra, Vol-IX, pp. 5-12
- Rakshit, M.** (2012) Natyakar Hisebe Mohit Ananya : Monaj Mitrer Sakshatkar, Rangapat Natyapatra, Vol-IX, pp.13-22

### Seminar Lectures

- Naha, D.** delivered a lecture Titled 'Swami Vivekanander Ganer Bhuvan' on 24<sup>th</sup> February, 2012. at a Seminar organized by Sangeet-Natak Bibhag in R.B. University.
- Rakshit, M.** delivered a lecture titled ' *Tagorian Theater : Pan Indian Response* ', at an International Seminar organized by Natya Shodh Sangstan & Rammohan Roy Libray Foundation on 19 – 21 January 2012.
- Bhattacharyya, D.** delivered a lecture titled ' *Rabindranather Kabyadarshane Swadesh-sandhan O T.S. Eliot : Prasanga – Seshar Kobita* ' at an International Seminar on 'Katha sahitye Swadesh-sandhan', organized by the Department of Bengali, University of Burdwan. March 2012.

### List of Teachers : (Full Time)

Dilip Naha, Head of the Department.  
 Swapan Kumar De  
 Sandip Kumar Patra  
 Jayita Dutta  
 Manjusree Mukhopadhyay  
 Sravani Roy  
 Dipankar Bhattacharyya  
 Debapriya Bhattacharyya  
 Moloy Rakshit

### Non-Teaching Staff (For Netaji Subhash Building)

Mohanlal Rangwa  
 Ashutosh Chowdhury  
 Mongol Hazra

## Department of English

### News from the Department

The Department of English has successfully maintained its tradition of excellence in both academic and co-curricular fields.

Fifteen students of Undergraduate First Year Second Semester scored over 7 points (SGPA) and eleven students scored over 6 points. Six students of Postgraduate First Year Second Semester scored over 7 points (SGPA) and fifteen students scored over 6 points.

Six students of the department wrote and produced a 30-minute play entitled *David in Search of Dickens* at AJC Bose Auditorium on 5 October, 2012 on the occasion of the celebration of the bicentenary birth anniversary of Charles Dickens. The following students participated in the performance: Soumyarup Bhattacharya, Sreya Mallika Datta, Shubhayu Bhattacharjee, Semanti Nandy, Rajdeep Mandal, and Swarnadeep Banik. Kalyan Das and Mahitosh Mandal, Assistant Professors of the department, guided the students.

The following students participated in various competitions: Sreya Mallika Datta (UG I) won the Best Speaker for the motion at the Freshers' Debate (English) organized by Presidency University Public Speaking Society (PUPSS) and the first prize in creative writing at IIPM Amaze 2012. Sreya Mallika Datta and Najrin Islam (UG I) formed a two-member drama team that won the first prize at 'Rhapsody' for staging the play *Daminiko*. Soumyarup Bhattacharya (UG I) won the Best Speaker for the motion at the Freshers' Debate (Bengali) organized by PUPSS. Soumyarup was also part of the team that won the first prize at the Sahara Inter-College Drama Festival for staging the play *Chokher Bhul Bhebe Khoma Kore Deben*. Dhee Shankar (UG I) won the first prize at the Freshers' chess competition organized by Presidency University Chess Society. Akash Ghosh (UG I) was adjudged runners-up against the motion in the Freshers' Debate organized by PUPSS. Sritama Chatterjee (UG II) came second in a debate organized by the Department of Women's Studies, JU and was a semifinalist in VOX-POP – the Jadavpur University National Debate 2012. Sambuddha Sarkar (UG II) came third in the photography competition of 'Literaria-2012' organized by St. Xavier's College. Shinjini Chowdhury (UG III) performed in 'Spotlight' as a member of 4<sup>th</sup> Bell Theatres in a theatre festival organized by 'Hypokrites' in February, 2012. Sumallya Mukhopadhyay (UG III) won the silver medal in the Ispat Football Tournament and Hindu Hostel Football League and the gold medal in the Independence Cup. Shritama Bose (UG III) was one of the six national winners of the 'After Dickens Writing Competition' organized by the British Council in February-March, 2012. Her winning entry 'The Smile' was published by Penguin India and Cinnamon Teal Press as an e-book. She was also the winner of the Extempore Competition organized as part of 'Literaria' by St. Xaviers' College, Kolkata, in October 2012. She was a member of the winning team in the debate and quiz competitions organized by International Management Institute, Kolkata, in December 2012. Sumon Sen (UG III), as a member of the theatre group Notice Board, participated in dramatic performances in 'Nukkad' at IIT Kharagpur, in 'Admit One' at NLSIU, Bangalore, and in 'Street Theatre' organized by Heritage Institute of Technology. He taught about sixteen children under the State Open School Programme and represented the University in the cricket tournament organized by the Marine College of Engineering. Shalomi Mullick (PG I) participated in dance in the India Fest 2012. Madhumanti Chowdhury (PG II) participated in a youth convention organized by Sri Sarada Math, Thrissur, to observe the 150<sup>th</sup> Birth Anniversary of Swami Vivekananda.

### Departmental Seminar

Digital Humanities, involving the critical analysis of digital interventions in cultural theory, is a rapidly developing area in humanities research worldwide. As a first step to exploring the area in the Indian context, our department organized 'The Digital Humanities in India Conference' in September 2012. Two leading international experts, Dr. Mark Bernstein and Professor Barry Atkins, initiated the discussion with panelists and eminent academicians like Professor Amlan Dasgupta, Dr. Abhjit Gupta, Professor Saugata Bhaduri and Professor Moinak Biswas. Professor Sue Thomas participated from Leicester via Skype. Topics covered were varied and wide ranging: digital archiving, cartography, man and digital humanities, social networking, digital films, philosophy, narratives in videogames. Some of the key research outcomes were the identification of research trajectories and possible national and international

collaboration in the area.

### Visitors to the Department:

Name of the Speaker/Visitor	Institutional Address	Topic
Professor Julian B. Lethbridge	University Tubingen	Literature, Theology, Philosophy and Knowledge: <i>fides quaerens intellectum</i> (28 August 2012)
Dr. Stefanie C. Lethbridge	Universitat Feiburg	Popularizing Homer in the 21 <sup>st</sup> Century: Making Myth Work(29 August 2012)
Dr Mark Bernstein	Director, Eastgate Systems	'The New Digital: The Nature of The Gothic And The Nature of Computing'(24 September, 2012)
Professor Amlan Dasgupta	Jadavpur University, Dept. of English	'Digital Humanities: Notes from The Dust Heap'(24 September, 2012)
Professor Moinak Biswas	Jadavpur University, Dept. of Film Studies	'Learning with Images in The Digital World'(24 September, 2012)
Professor Sue Thomas	De Montfort University	'On Transliteration'(24 September, 2012)
Dr Simi Malhotra	Jamia Millia University, Dept. of English	'Doing Humanities in an Age of Impending Technological Singularity'(25 September, 2012)
Professor Barry Atkins	University of Wales, Newport, Dept. of Film, Photography and Digital Media	'Excessive Media: Approaching Videogames with Care' (25 September, 2012)
Professor Saugata Bhaduri	Jawaharlal Nehru University, Dept. of English	'Issues and Challenges in Conducting Research on Computer Gaming'(25 September, 2012)
Dr Souvik Mukherjee	Presidency University, Dept. of English	'Reading Games and Playing Books: Videogames and Storytelling'(25 September, 2012)
Dr Abhijit Gupta	Jadavpur University, Dept. of English	'The Early Bengali Book Project: Issues and Challenges'(25 September, 2012)
Mr Mahitosh Mandal	Presidency University, Dept. of English	'The Digital Culture: Man and the Machine'(25 September, 2012)
Dr Debaditya Bhattacharya	Venkateshwara College, Delhi, Dept. of English	'A Sovereign Surrender?: Technology and the Death of the Knowing Subject'(25 September, 2012)
Professor P P Raveendran	Professor of English at School of Letters, Mahatma Gandhi University, Kerala	A General Overview of Indian Writing in English (4 December 2012)
Dr. Kathryn Caccavaio	Niagara County Community College, Dept of English, Adjunct	Black Writing(17 December)

### Other Academic Activities:

**Dr. Debashis Bandyopadhyay** was the Selected Juryman, Sahitya Akademi Award, 2012 (English), New Delhi.

**Professor Shanta Dutta** was a Member of the Regional Screening Committee for Fulbright-Nehru Post-Doctoral Research Fellowship 2013-2014. She is an Honorary Vice-President of 'The Thomas Hardy Association'. She is also the external expert of the Departmental Research Committee in English at Kalyani University.

Dr. Souvik Mukherjee was a judge at the 'Debating Matters' inter-school debate organized by the British Council in December 2012.

### List of Publication by the Teachers of the Department:

#### Paper in edited volume

- Bandyopadhyay, D.** (2012) New Reading of Ruskin Bond's Supernatural Tales. In: Krstovic, J. (Editor) *Children's Literature Review*, Vol. 171, Gale Cengage: New York (USA), p 44 – 55.
- Bandyopadhyay, D.** (2012) What Cost Abjection for the Sake of the Nation?, In: Krstovic, J. (Editor) *Children's Literature Review*, Vol. 171, Gale Cengage: New York (USA), p 66 – 76.
- Bandyopadhyay, D.** (2012) "Whispering in the Dark": A Fantastic Quest for Identity, In: Krstovic, J. (Editor) *Children's Literature Review*, Vol 171, Gale Cengage: New York (USA), p 77 – 87.
- Mandal, M.** (2012) Modes of Negation in R. Parthasarathy's *Rough Passage*, In: Mitra, Z. (Editor) *Indian Poetry in English: Critical Essays*. PHI Learning Private Limited: New Delhi, p. 314-321.
- Mukherjee, S.** (2012) Through the Looking Glass, Darkly: Reading *Alice* in the Videogame, In: *Aligarh Journal of Linguistics*, Vol. 2.1-2. Aligarh University Press, Aligarh.
- Mukherjee, S.** (2012) EgoShooting in Chernobyl: Identity and Subject(s) in the S.T.A.L.K.E.R Games, In: Fromme, J. and Unger, A. (Editors) *Computer Games And New Media Cultures: A Handbook of Digital Game Studies*, Springer-Verlag: New York, LLC, p.219-233.
- Mukherjee, S.** (2012) India. In: Wolf, M. (Editor) *Encyclopedia of Video Games: The Culture, Technology, and Art of Gaming*, ABC-CLIO: Santa Barbara.
- Mukherjee, S.** (2012) Sherlock Holmes Reloaded: Holmes, Videogames and Multiplicity, In: Wynne, C. and Vanacker, S. (Editors) *Couan Doyle and Sherlock Holmes*, Basingstoke: Palgrave Macmillan.

#### Book

- Bandyopadhyay, D.** (2012) *Locating the Anglo-Indian Self In Ruskin Bond: A Postcolonial Review* (Revised Indian Reprint). Anthem Press, New Delhi, 170pp.
- Mandal, M.** and Suparnananda, S. (2012) *Swami Lokeshwarananda: The Person and Personality*. Narendrapur Ramakrishna Mission Ashram Praktani, Narendrapur, 52pp.

#### Seminars/Lectures delivered/workshop attended as resource person by teachers:

- Mahitosh Mandal (January 2012) presented a paper entitled 'Sri Ramakrishna and the Concept of Truth' at the International Conference on *Sri Ramakrishna's Ideas and Our Times* organized by Ramakrishna Mission Vidyamandira, Belur.
- Mahitosh Mandal (January 2012) presented a paper entitled "'The eyes a man could drown in": Filmic Gestures in the Novels of John Fowles' at the National Seminar on *Genre* organized by the Department of English, Krishnagar Govt. College.
- Mahitosh Mandal (February 2012) presented a paper entitled "'The world as a single nest": The Postcolonial, the European Critical Dialectic, and Beyond' at the DRS CU Seminar on *The Post Postcolonial: Theory and Text*.
- Kalyan Das (February 2012) presented a paper entitled 'The Marriage of Fantasy and Reality in Charles Kingsley's *Waterbabies*', at UGC Sponsored National Seminar organized by Vidyasagar University, Midnapur.
- Debashis Bandyopadhyay (February 2012) presented a paper entitled 'Ghosh's *The Hungry Tide*: The Social and Psychological Politics of Othering' at a UGC and Sahitya Akademi Sponsored National Seminar at Ramakrishna Mission Residential College, Narendrapur in
- Souvik Mukherjee (February 2012) delivered the keynote address on 'Videogames and Digital Humanities' at Venkateshwara College, Delhi University.
- Debashis Bandyopadhyay (March 2012) was invited as a Resource Person at the UGC sponsored National *Seminar on Representation, Imagination and Narration* at St. Joseph's College, Darjeeling.
- Mahitosh Mandal (March 2012) presented a paper entitled 'Engaging the "Criminal Other" in Habib Tanvir's Plays' at UGC sponsored National Seminar on *Contemporary Trends in Indian Drama* organized by Rishi Bankim Chandra College, Naihati, in collaboration with West Bengal State University, Barasat.
- Souvik Mukherjee (May 2012) presented a paper entitled 'Videogames as Paratexts' in the SHARP Conference in Dublin.

- Souvik Mukherjee (August 2012) presented a paper entitled 'Digital Humanities or What You Will' at the MARG Humanities Conference, New Delhi.
- Mahitosh Mandal (September 2012) presented a paper entitled 'Digital Humanities and Man', at the Digital Humanities in India Conference organized by Presidency University, Kolkata.
- Niranjan Goswami (September 2012) presented a paper entitled 'The Theatre of Death: Executions in Kyd, Marlowe and Shakespeare' at the 11th Biannual Conference of the European Society for the Study of English (ESSE), Bogazici University, Istanbul, Turkey.
- Souvik Mukherjee (September 2012) presented a paper entitled 'Videogames as "Minor" Literature' at the Digital Humanities in India Conference organized by Presidency University, Kolkata.
- Souvik Mukherjee (October 2012) was invited to deliver a lecture on 'Videogames And Narratives' at NASSCOM Game Development Conference, Pune.
- Debashis Bandopadhyay (October 2012) was an invited speaker at the 58th BAAS Conference, Exeter University, UK.
- Shanta Dutta (November 2012) presented a paper entitled 'The "measureless layers of history": Hardy and Archaeology' at an international annual conference on 'Enduring Landscapes', organized by the 'Centre for Archaeological Studies & Training, Eastern India', Kolkata.
- Kalyan Das (December 2012) presented a paper entitled "'We will rebuild worlds": The *parichi* voices in Tamil Dalit literature', at UGC Sponsored National seminar, Vidyasagar University, Midnapur.
- Shanta Dutta (December 2012) delivered a lecture on 'Public Spaces, Private Destinies: The Novels of Thomas Hardy' at UGC sponsored Refresher Course on 'Fictional Spaces: Texts and Contexts', organized by the Department of English, Jadavpur University.
- Debashis Bandopadhyay (December 2012) was invited as a Resource Person on 20th Century Fiction at UGC Refresher Course, Calcutta University.
- Shanta Dutta (December 2012) chaired the post-lunch session on 18 Dec 2012, the first day of the three-day international conference on 'The Dickens World: Post-Imperial Readings', organized by the Department of English, Jadavpur University and the 'Centre for Victorian Studies', Jadavpur University (supported by the British Council).
- Shanta Dutta (December 2012) acted as Resource Person at a 'Group Discussion' session in Refresher Course on '20th Century Theory and Praxis', organized by the Department of English, University of Calcutta.
- Niranjan Goswami (December 2012) delivered a lecture on 'Walter Benjamin' at a Refresher Course at Calcutta University (Thrust area - 20th Century Theory and Praxis).

**Staff List****Teaching**

Shanta Dutta  
Niranjan Goswami  
Manu Auddy  
Debashis Bandyopadhyay  
Sanghita Sen  
Souvik Mukherjee  
Kalyan Das  
Mahitosh Mandal

**Non-Teaching**

Hanuman Dhuria

**Guest Faculty:**

Chaitali Moitra  
Abin Chakraborty (Assistant Professor, Budge Budge Institute of Technology)



## Department of Hindi

### News from the Department

The post graduate students of Hindi Department did well in the 1st & 11nd semester examination. All students passed the B.A. (Hons) Final year Examination. Vijay Kumar Rabidas, Sampad Guha, Nagendra Kumar Singh, Tapoja Dutta & Puja Rani Shah qualified UGC NET Examination this year. Students of Hindi Department won prizes in different inter-college Cultural Meet & University Competitions. Subhash Kumar Choudhary of U.G.2nd year was declared Best Cricket Captain in Central Zone under 21 years. He was also selected for Best All Round Performance in the tournament (KBPL T20 inter club tournament) 2012. The students of Hindi Deptt. actively participated in Annual Sports and as usual they won most of the prizes in different events and acquired the Champions Trophy of the Annual Sports for the fifth consecutive time.

Students actively participated in student seminars on 'Contribution of Bhartendu Yuga', 'Feudal Aspects of Kabir's Poetry', 'Socio-Political Aspects of Rag Darbari' and 'Relevance of Indian Poetics' organized by the department.

Neeraj Kumar, Mayank, Subhas kumar Choudhury and Moinuddin of UG 2<sup>nd</sup> year were selected by Central Hindi Directorate, Ministry of Human Resource Development, Govt. of India for ten days long National Workshop of New Writers this year, which was held from 7<sup>th</sup> September to 23<sup>rd</sup> September, 2012 at Srinagar, Jammu & Kashmir. Neeraj Kumar got Best New Writer Award in this workshop. The Department organized a week long Inter-Departmental Competition on the occasion of International Non-Violence Day on 2<sup>nd</sup> October, 2011.

The department organized an International Seminar on 'Globalization & Literature' at Presidency University on 11<sup>th</sup> & 12<sup>th</sup> January, 2012. On this occasion the department released following six books under the series of **Bharatiya Sahitya Granthamala in Bengali & Hindi** :-

1. Bharatiya Navajagran Ke Agradut : Derozio, Vol-I
2. Bharatiya Navajagran Ke Agradut : Derozio, Vol-II
3. Samakalin Asamiya Kahaniyan : Stri Kalam Se
4. Asamiya Kavi Nilim Kumar Ki Shreshtha Kavitaen
5. Asadharan Diner Sadharan Katha by Tara Gandhi Bhattacharyya
6. Mahila Kalame Samakaler Asamiya Golpo.

The books were released by Prof. Sugata Basu, the Honourable Chairman, Mentor Group of Presidency University. These books were published by the Gandhi Center for North-Eastern Languages under Hindi Department. The Department has started marketing the publications of Gandhi Center this year and so far earned more than fifty thousand by selling the books to different universities and libraries.

The department has also organized a seminar on 'Translation of Rabindranath's Geetanjali in Foreign Languages' on the occasion of Rabindranath Jayanti on 9<sup>th</sup> May 2012.

Four Mahatma Gandhi Memorial Lectures are also organized by the department during this year. Delegates from USA, South Korea and Vietnam visited the Gandhi Center for North-Eastern Languages and performed their cultural programmes.

NAME OF THE SPEAKER / VISITOR	INSTITUTIONAL ADDRESS	TOPIC
Prof. Mesbah Kamal	Professor, History Department, Dhaka University	Key Note address on Globalization & Literature
Tyler W. William	Associate Professor, Hindi Department, Columbia University, USA.	Impact of Globalization on Hindi Literature
Dr. Rajashree Shukla	Associate Professor & Head, Hindi Department, Calcutta University	Globalization & Hindi Fiction

NAME OF THE SPEAKER / VISITOR	INSTITUTIONAL ADDRESS	TOPIC
Chandrakant Murasingh	Eminent Poet of Tripura	Globalization and Challenges
Prof. Chakradhar Tripathi	Professor & Head, Hindi Department, Visva Bharati	Globalization & Oriya Literature
Prof. Sheela Misra	Professor, Hindi Department, Osmania University.	Globalization & Telugu Literature
Prof. Dilip Kumar Barua	English Department, Burdwan University.	Globalization & European Literature.
Prof. Sucharita Chattopadhyay	Professor, Comparative Literature Department, Jadavpur University.	Globalization & Canadian Literature
Dr. Indrani Das	Associate Professor, English & Other European Languages Department, Visva Bharati.	Globalization & Italian Literature
Dr. Debashish Bandyopadhyay	Associate Professor, English Department, Presidency University.	Globalization & English Literature
Prof. Suman Gun	Professor, Bengali Department, Assam University.	Globalization & Assamese Literature
Dr. Dipankar Mullick	Associate Professor, Bengali Department, Ramkrishna Vidya Mandir, Belur, Kolkata.	Globalization & Bengali Literature.
Dr. Manjushree Mukhopadhyay	Associate Professor, Bengali Department, Presidency University.	Globalization & Bengali Fiction
Dr. Shrabony Das	Associate Professor, Bengali Department, Presidency University.	Globalization & Contemporary Bengali Literature
Selina Hussain	Eminent Bangladeshi Writer & Director of Bangla Academy, Dacca, Bangladesh, Also representative of Bangladesh in UNESCO	Main Aspects of Bangladeshi Literature
Dr. Sung Min Park	Vice President, The King's College, New York, USA	Development of Korean Language by Missionaries in South Korea
Dr. Garey Vender	Boston University, USA	Development of Consumerism & Capitalism in American Society
Prof. Maleka Begum	Professor, Women's Studies, Dacca University, Bangladesh	Family Honour & Women Killing
Dr. Indrani Das	Associate Professor, English & Other European Languages Department, Visva Bharati.	Italian Translation of Rabindranath's Geetanjali
Dr. Aruna Mukhopadhyay	Associate Professor, English & other European Languages Department, Visva Bharati.	Russian Translation of Rabindranath's Geetanjali
Prof. Jahanara	Head & Associate Professor, Persian Department, Lady Brabourne College, Kolkata	Dari (Dialect of Afghanistan) Translation of Rabindranath's Geetanjali
Prof. Sisir Kumar Sinha	Professor, Bengali Department, Tripura University, Agartala	Translation of Rabindranath's Geetanjali in South-Asian Languages

**Research Activities of the Department :**

TITLE OF THE PROJECT	PRINCIPAL & CO-INVESTIGATORS	FUNDING AGENCY	AMOUNT	RESEARCH WORKER
History of Kokboroka Literature of Tripura	Dr. Tanuja Majumdar (P I)	GSDS	Rs. 60,000	
Thoughts on Rural Reconstruction of Ravindranath Tagore	Dr. Tanuja Majumdar (P I)	GSDS	Rs. 60,000	
Ravindranath Tagore in Hindi Literature	Dr. Tanuja Majumdar (P I)	GSDS	Rs. 60,000	

**List of Publications****Research Paper**

**Bhattacharyya, A.,** Jain Sadhana Tatha Sahitya Mein Madhur Rasa, Jain Research Journal 'Titthayar', Kolkata, February, 2012.

**Bhattacharyya, A.,** Jain Dharm Men Rahasyavad Ka Swarup, Jain Research Journal 'Titthayar', Kolkata, March, 2012..

**Bhattacharyya, A.,** Hindi Ki Vikas Prakriya Men Apabhramsh Ki Kendriyata : Prasangik Jain Sandarbh, Jain Research Journal 'Titthayar', Kolkata, May, 2012.

**Bhattacharyya, A.,** Apabhramsh Ka Bhashiki Swarup : Sandharbh Ke Vividh Aayam, Jain Research Journal 'Titthayar', Kolkata, July, 2012

**Bhattacharyya, A.,** Upanishad Aur Rabindranath : Asmita Ki Antaryatra, Sahitya Prabha, Dehradun.

**Book**

**Majumdar, T.,** Ravindra Khandan Ke Muslim Varis, Manav Prakashan, Kolkata.

**Majumdar, T.,** Derozio-Najrul-Nirala, Manav Prakashan, Kolkata.

**Majumdar, T.,** Bharatiya Sahitya : Kuchh Paridrishya, Aman Prakashan, Kanpur.

**Sahu, J. K.,** Hindi-Oriya Anchalik Upanyas : Dalit Vimarsh, Manav Prakashan, Kolkata.

**Seminar Lectures Delivered / Workshop attended as Resource person by Teachers**

**Majumdar, T.,** delivered a Lecture as resource person in National Seminar on 'Hindi and North-Eastern Languages' organized by Mahatma Gandhi International Hindi University on 15<sup>th</sup> July 2012 at Bharatiya Bhasha Parishad, Kolkata.

**Majumdar, T.,** delivered a Lecture as resource person in Workshop on 'Different Aspects of Rajbhasha Hindi' organized by Principal Controller of Accounts, Ministry of Defence on 9<sup>th</sup> August, 2012 at Zonal Center, Kolkata.

**Majumdar, T.,** delivered a Lecture as resource person on 'Indian Renaissance and Nirala' in Premchand Memorial Lecture Series organized by Vidyasagar College for Women on 10<sup>th</sup> August, 2012 at Vidyasagar Smriti Mandir, Kolkata.

**Staff List :**

Prof. Tanuja Majumdar (Head)

Dr. Sandhya Kumari Singh

Dr. Ranjana Sharma

Dr. Abhijit Bhattacharyya

Dr. Jayanta Kumar Sahu

Dr. Vasundhra Mishra (Guest Lecturer)

Dr. Ratna Mukherjee (Guest Lecturer)

**Non-Teaching** - nil

## Department of History

### News from the Department

At present the department of History offers both undergraduate and postgraduate courses. The department is in a transitional situation; the past two years have seen the admission of students under the banner of Presidency University, while the last few of those admitted as Presidency College students are about to complete their course under Calcutta University. The once-legendary seminar library, enriched by the contributions of its teachers and students, now needs to be reorganized to suit the purpose of the University. The department continues to maintain a small archive with materials related to its own history.

The department's teaching staff is similarly in a transitional situation. The department continues to enjoy the help and cooperation of a number of eminent teachers who are serving the University as Guest Teachers. Prof. Rajat Kanta Ray has been given the honour of Professor Emeritus by the University. The first round of appointments to Presidency University has been made, while the staff of Presidency College is still a part of the teaching team. The process for the second round of appointments to the University has already started.

The students continue to be of the highest calibre. They excelled both in curricular and extra-curricular activities and gave commendable assistance to the department on all occasions particularly during admission, seminars and excursions. Apurba Chatterjee and Sohini Chattopadhyay stood first in the MA Final and BA Final Examinations, 2012 respectively of the Calcutta University. Anwsha Das was the topper at the BA Part II Examination, 2012 of the said university. The first batch of UG and PG students of Presidency University also performed exceedingly well in their semester examinations. The prestigious Ashin Das Gupta Memorial Prize was awarded to Anwsha Das and Aritri Chakraborty of the Third Year Class. Sohini Chattopadhyay and Siddhartha Mukherjee are pursuing their MA course at JNU, New Delhi. Others are continuing post graduation at Calcutta, Jadavpur and other Universities. Many of our former students are pursuing M.Phil. and Ph.D. at various institutes in India and abroad.

The department continues its tradition of presenting and discussing recent research. In August Prof. S.C.Sarkar Memorial Lecture was delivered by Prof. Rajat Kanta Ray on Rabindranath's Jivandebata. This programme was organized by the department in collaboration with the Paschimbanga Itihas Sansad. Mr. Masood Akhtar showed a documentary on M.S. Sathyu, the legendary dramatist and film director of modern India. It recently hosted a talk by Dr Ana Jelnikar, Indian Council for Cultural Relations Research Fellow, Presidency University, entitled "In Green India": Universalist Hopes from the Margins of Europe, Rabindranath Tagore and Sre'ko Kosovel' (December 10, 2012).

Throughout the year full-time faculty members actively participated in seminars and workshops, presented papers, and contributed writings to various edited volumes and journals. All faculty members actively took part in the functioning of different committees. A number of committees have come into being to facilitate the transition from the College to the University. Among the most important tasks before them is to design and update the history curriculum and to elevate the History Department to an international standard.

The department maintains a long tradition of excursions. This year it organized excursions to Vishakapatnam (August) and Darjeeling (December).

### Seminars organized by the Department :

Name of the Speaker	Institutional Address	Topic
Rajat Kanta Ray	Former Vice Chancellor, Viswa Bharati University	Rabindranather Jibandevata
Masood Akhtar	Director and Actor	M.S.Sathyu
Ana Jelnikar	Indian Council for Cultural Relations Research Fellow, Presidency University	In Green India: Universalist Hopes from the Margins of Europe, Rabindranath Tagore and Srecko Kosovel

**Research Activities of the Department:**

Title	Principal Investigator	Funding Agency	Amount	Assistants, if any
Post Doctoral Major Project on Modern Review : Making of Modern Indian Mind	Dr. Chaitali Chaudhuri	Indian Council for Historical Research	1,25,000	

The members of the department are actively engaged in research. Some members of the department are active in research supervision at other institutions, although Presidency University's own research programme is not due to be inaugurated until July 2013.

**Dr. Jayasree Mukhopadhyay** is pursuing research work on an aspect of the Ramakrishna-Vivekananda Movement in the post-colonial period. Saswati Datta has been registered at Calcutta University for a Ph.D. under her supervision. She also examined a number of M. Phil. Dissertations of Calcutta, Jadavpur and Hyderabad Universities.

**Professor Benjamin Zachariah** is currently working on Indian exiles in Germany between the two world wars, and the movements of ideas that this enabled.

**Dr. Sraman Mukherjee's** research looks at the field of cultural heritage. His current postdoctoral work (housed in the Department of Art History and Institute for Advanced Study, University of Minnesota, and supported by a research grant from the Social Science Research Council and the Andrew Mellon Foundation) looks at the complex interplay between the secularization of archaeological heritage and the politics of religious revival across colonial and postcolonial India, Sri Lanka, Myanmar and Thailand. Focusing specifically on the circulating lives of Buddhist corporeal relics, the project investigates the possibility of recovering the authorial voices of dead bodies and body parts in modern South and mainland Southeast Asian histories.

A research project on Linguistic Sub-Nationalism and the Rise of Bengali Press sponsored by the Indian Council for Historical Research (Principal Investigator Dr Chaitali Chaudhuri) is being carried out at the University. A major project of Dr. Chaitali Chaudhuri's, entitled Modern Review and Making of Modern Mind will be initiated soon (sponsored by Indian Council for Historical Research).

Other research projects at the Department include Romancing with Small Fire Power (handguns): Bengal 1835-1935 (researcher: Anasua Datta); and Bihar: Economy, Society and British Administration, 1757-1820 (researcher: Paramita Maharatna (Chakrabarty).

Deepa Khakha was awarded PhD, "Production, Coercion and Resistance: Bengal's Cotton Textile In Transition, c. 1750-1800" Jawaharlal Nehru University, 2011- 2012.

Oyndrila Sarkar was awarded M.Phil. "Cartographic Conquests: Men Machines, Methods, c.1830-1870" Centre for Historical Studies, Jawaharlal Nehru University, 2012.

**List of Publications by the Teachers of the Department:**

**Mukhopadhyay, J.,** : 'Ramakrishna Mission Ashrama, Narainpur : A Practical Translation of Swami Vivekananda's Concept of Service' In Swami Vyaptananda ed. Souvenir in Commemoration of 150th birth Anniversary of Swami Vivekananda - Regional Tribal Convention, Ramakrishna Mission, Narainpur, Chhattisgarh, March, 2012

**Mukhopadhyay, J.,** : 'Swami Vivekananda : A Prophet of Indian Nationalism' In Swami Vivekananda : A Turning Point, Advaita Ashrama, Mayavati, December, 2012

**Zachariah, B.,** Edited volume: The Internationalist Moment: South Asia, Worlds and World Views (with Ali Raza and Franziska Roy) (Delhi: Sage, forthcoming, 2013).

**Zachariah, B.,** Articles in refereed journals: 'A Long, Strange Trip: The Lives in Exile of Har Dayal', South Asian History and Culture (forthcoming, 2013). 'To Take Arms Across a Sea of Trouble: The 'Lascar system', Politics and Agency in the 1920s' (with Ali Raza), Itinerario, forthcoming, 2012.

**Zachariah, B.,** In books : 'Postcolonial Theory and History' in Nancy Partner and Sarah Foot (ed), Sage Handbook of Historical Theory (Thousand Oaks: Sage, forthcoming, 2013), pp. 378-396.

'Introduction: The Internationalism of the Moment: South Asia and the Contours of the Interwar World' (with Ali Raza and Franziska Roy), in Ali Raza, Franziska Roy and Benjamin Zachariah (ed), The Internationalist Moment: South Asia, Worlds and World Views (Delhi: Sage, forthcoming, 2013).

'Internationalisms in the Interwar Years: The Travelling of Ideas', in Ali Raza, Franziska Roy and Benjamin Zachariah (ed), *The Internationalist Moment: South Asia, Worlds and World Views* (Delhi: Sage, forthcoming, 2013).

'Developmentalism and its Exclusions: Peripheries and Unbelonging in Independent India', in Andrea Fischer-Tahir & Matthias Naumann (ed), *Peripheralization: The social production of spatial dependency and regional decline* (Berlin, VS-Verlag, 2012).

'Jawaharlal Nehru o tnar bharatrashtira' in Parimal Ghosh (ed), *Amader adhunikatar koyekti dik* (Calcutta: Setu, 2012), pp. 121-154 [in Bengali]

**Chaudhuri, C., Book:** "The Awakening Conscience of Indian Journalism: Ramananda Chattopadhyay". Lambert Academic Publishing, Germany, 2012. ISBN - 10:3659114618, ISSN - 13:978-3659114618

**Chaudhuri, C., Article:** "A Man with a Mission: W. Carey", Published in *Ekusher Carya*, Edtd by Sandipan Mitra, July-December 2012. ISSN 2319-4871

**Mukherjee, S., :** "Of Methods and Aims: The Field of Archaeology in Colonial India", *The Newsletter, International Institute of Asian Studies*, No. 61, Autumn 2012

**Mukherjee, S., :** "Configuring Sacred Spaces: Archaeology, Temples and Monument Making in Colonial Orissa", *South Asian Studies, Special Issue on "The Afterlives of Monuments"*, ed. Deborah Cherry, (forthcoming 2013)

**Mukherjee, S., :** "From Sites and Museums to Temples: Relics, Ruins and New Buddhist Viharas in Colonial India". *Archive Occasional Paper Series, Centre for Studies in Social Sciences, Calcutta*, No. 5, (forthcoming 2013)

**Kumar, P.,** "From Punch to Matv?l?: Transcultural Lives of a Literary Format" (Forthcoming 2012) In Hans Harder and Barbara Mittler (eds.) *Punch: A Transcultural Reading*. (Heidelberg: Springer, Forthcoming 2013)

**Kumar, P.,** "Colonialism, Modernity and Hindi Satire in the Late Nineteenth Century" published in *Zeitschrift fur Indologie und Sudasienstudien* (ZIS 28, 2011, 105-44) or *Journal of Indology and South Asian Studies*, Gottingen, Germany.

**Sarkar, O. :**

Article in refereed journal

"Great Trigonometrical Survey - Histories Of Mapping 1790-1850", *eTraverse: The Online Indian Journal Of Spatial Science*, The Geographical Institute, Presidency University, Kolkata, ISSN: 2249-4316, Vol. III No. 1 - 2012, Article 4

**Maharatna, P., :** "Mughal Biharers Shashan Byabostha (1707): Shei Ottijho Bohoman?", Published in *Itihas Anushandhan*, Vol 26., January 2012, P.L.Madan.

**Seminars and conferences :**

**Jayasree Mukhopadhyay**

1. Delivered a series of lectures on 'The Ramakrishna Vivekananda Movement' with focus on tribal welfare, education and medical care at Ramakrishna Mission Institute of Culture, Kolkata
2. Presented a paper on 'Tribal Welfare at Abujmarh, Narainpur' at the annual conference of the Paschimanga Itihas Parishad, Kolkata
3. Presented a paper on 'Swami Vivekananda's Vision of India : Problems and Perspectives' at a National Seminar at Scottish Church College, Kolkata

**Oyndrila Sarkar**

1. Presented a paper, "eStories of Mapping", at the seminar, *The Digital Humanities In India: Remediating Cultures And Texts*, J.C Bose Auditorium, Presidency University, Kolkata, September 2012 (Department of English)
2. Panellist of "CONNECT", A Panel Discussion, M.P.Birla Foundation, H.S School Silver Jubilee Celebration, 5th October 2012
3. Participated in the FAEA National Workshop 2012, Presidency University (Foundation for Academic Excellence and Assistance)
4. Attended "Spaces of Law: Territories, Boundaries, Corridors and Beyond", A Workshop jointly organized by CSSSC, Kolkata and Plymouth University, 2012

**Staff List:****Teaching:**

Jayasree Mukhopadhyay  
 Paramita Maharatna  
 Anasua Datta  
 Chaitali Chaudhuri  
 Benjamin Zachariah  
 Swarupa Gupta  
 Sraman Mukherjee  
 Prabhat Kumar  
 Deepa Khakha  
 Oyndrila Sarkar

**Non-Teaching:**

Nil

**Guest faculty:**

Rajat Kanta Ray  
 Uttara Chakraborty  
 Subhas Ranjan Chakraborty  
 Hari Shankar Vasudevan  
 Supratim Das

## Department of Philosophy

**News from the Department**

2012 has been an important and eventful year for the Department of Philosophy. Our students have once again proved their talents by maintaining a consistent record of brilliant academic performance both at Under-Graduate and Post-Graduate levels. Five students have secured First Class in B.A. Part-II Examination and another five in B.A. Final Examination. A number of students have secured high Second Class as well. Debarati Biswas, one of our students, not only topped in the University (C.U.) in philosophy, but also secured highest marks in the entire Humanities Stream while Paramita Maity ranked sixth in the last B.A. Final Examination, (C.U.). Prasasti Pandit, an ex-student of our department has qualified NET-JRF examination this year and has been selected by IIT Kharagpur as a doctoral student. However, she is presently engaged in research work at Jadavpur University. Abhipriya Chatterjee, another ex-student of our department is pursuing M.A. in Central Institute of English & Foreign Languages (CIEFL), Lucknow. A number of our students have qualified SSC examinations too. Besides academic institutions, some of our students have got engaged in different management and corporate organizations also. The performance of the present batches is also worth mentioning. Students of P.G.-II have performed well in the last semester.

Our students, through their active participation have made a mark in other activities too. A wall magazine edited by the students of Philosophy department has been published which demonstrates their creativity and innovations. Niladri Das and Md. Obaidullah of P.G.-II have presented papers entitled '*Socratic Method-Its Relevance In Teaching-Learning Process*' and '*Philosophical Ideas-An Eternal Journey*' respectively in a seminar held in the Department of Philosophy, Jadavpur University, on 13<sup>th</sup> December, 2012. Again, Niladri Das and Md. Obaidullah have also participated in a competition organized by Rabindra Bharati University on 5<sup>th</sup> September, 2012 on "Education: Views of Swami Vivekananda" and "Radhakrishnan's Philosophy of Education" respectively in which Niladri Das stood first. Md. Obaidullah also presented a paper entitled '*Sri Aurobindo's Idea of A Nation*' in the Department of Philosophy, Jadavpur University, on 4<sup>th</sup> March, 2012. Again, Saurav Mukherjee and Amrita Chatterjee of P.G.-II presented a paper at entitled '*Vivekananda's Message to the Youth in Particular and Society as a Whole*' in a seminar held in the Department of Philosophy, Jadavpur University, on 13<sup>th</sup> October, 2012.

The teachers of the Philosophy department are engrossed in serious intellectual activities and the teaching-learning milieu of the department has benefitted to a great extent by the research work done by the faculty members. The teachers of the department extend help and co-operation to the students both within and outside the classroom. The department also maintains a rich seminar library.

**Seminars organized by the Department:**

Name of the Speaker	Institutional Address	Topic
1. Prof. Rupa Bandhopadhyay	Dept. of Philosophy, Jadavpur University	Vedanta Philosophy
2. Students of Second Year (P.G.)	Dept. of Philosophy, Presidency University.	Ethics of Ayurveda

**Other Activities of the Department:**

**Nusrat Jahan** is engaged in research work and is about to submit her Doctoral Thesis entitled "Some Theories of Entailment: A Critical Examination."

**List of Publication:**

- Bhattacharya, S.** 'Why do we Practice Vrata?'. In: Smita Sarkar, Kuntala Bhattacharya and Maddhucchanda Sen (Editor) *Essays in Honour of Amita Chatterjee*. D.K. Print world, New Delhi, (In Press).
- Chatterjee, A.** (2012) 'A Feminist Response to Classical Logic'. In: Proceedings of UGC Sponsored National Seminar on 'Development of Logic: Indian And Western', p. 102-112. Ramakrishna Mission Vidyamandir, Belur, Howrah.
- Jahan, N.** (2012) "Euthanasia-Mercy or Killing". In: Amaresh Mondal and Indrani Goswami (Editor) *Prasanga Manuser Adhikar*, Hooghly Mohsin College, Hooghly, p. 153-159. (ISBN No. 978-81-908801-3-8)
- Jahan, N.** (August 2012) "Environmental Ethics-Some issues and Solutions", *Academic Journal of Hooghly Mohsin College*, Vol. 7, no. 1, p. 96-107. (ISSN No. 0973-6212)
- Jahan, N.** (2012) Haji Mohammad Mohsin-The Great Philanthropist: 1730-1812, *Academic Journal of Hooghly Mohsin College*, 2012, (In Press).

**Lectures delivered by faculty members as resource person:**

- Dipa Mukhopadhyay** delivered a lecture on Vedanta Philosophy at Refresher Course in the University of Calcutta on 5th December 2012.
- Angana Chatterjee** was invited by the Department of Philosophy, Jadavpur University to participate in a group discussion on the theme "Philosophy versus Philosophies" on 13<sup>th</sup> December, 2012 on the occasion of World Philosophy Day.

**Staff List**

**Full-Time teachers:**

- 1) Sutapa Dasgupta (Head of the Department)
- 2) Mandira Mukhopadhyay
- 3) Srimati Mukhopadhyay
- 4) Sebanti Bhattacharya
- 5) Angana Chatterjee
- 6) Nusrat Jahan

**Guest faculty:**

- 1) Ranjana Mukherjee (Retd., Rabindra Bharati University)
- 2) Kumar Mitra (Rabindra Bharati University)
- 3) Roma Chakraborty (University of Calcutta)
- 4) Piyali Palit (Jadavpur University)
- 5) Subir Ranjan Bhattacharya (University of Calcutta)
- 6) Dipa Mukhopadhyay (Retd., Presidency University)
- 7) Kuntala Bhattacharya (Rabindra Bharati University)
- 8) Sarbani Bandhyopadhyay (Rabindra Bharati University)
- 9) Subroto Bose (Jogomaya Devi College)
- 10) Mita Bondyopadhyay (Sreerampur College)



## Department of Political Science

### News from the Department

The Department of Political Science is in a process of transition, in tune with the overall transitional process of Presidency, from a college to a university. New faculty members have joined the department during the last part of 2012. We welcome all new faculty members to our department. The rise in faculty strength would certainly help to realize the vision of the department. Academic activities of the department continued in full swing during 2012. The department, in collaboration with the Council for Political Studies, Kolkata, organized a day-long seminar on March 10 where young teachers, scholars as well as reputed academicians delivered lectures on the broader theme 'Society and Politics of Contemporary India'. A total of eleven speakers spoke on different areas of society and politics in contemporary India. The department organized two more important seminars, in collaboration with the Council for Political Studies, in April and November, 2012. In December 2012, Prof. Achin Vanaik of Delhi University spoke on 'Terrorism and the Empire' in a seminar organized by the department (see the seminar section below for full details). Teachers of the department were also engaged in various academic exercises besides completing their regular teaching assignments. Prof. Anik Chatterjee was invited to present a paper in an international conference at the 'Sciences Po', Menton, France. He was also invited to deliver lectures on national and international politics by several educational institutions, television, and radio channels. He also had a few notable publications during the year. Prof. Pradip Basu, who joined the department in June, 2012 published several edited volumes where many scholars and academicians from India and abroad contributed. He continued to be the editor of the peer reviewed journal 'Journal of Humanities and Social Sciences'. Abdus Samad Gayen was also invited by many academic institutions as a resource person. He also published a research paper during the year and continued to work on his Ph.D. programme at the University of Calcutta. Dr. Thongkholal Haokip, a young faculty had many noteworthy publications during the year. He also served as the Editor of the 'Journal of North East India Studies' during the year. Dr. Satyabrat Sinha and Zaad Mahmood, two young faculty, were also invited to deliver lectures by different academic bodies in Kolkata and other parts of India. Zaad Mahmood continued his Ph.D. programme at the SOAS (University of London), and it is nearing completion. Dr. Madhuchanda Ghosh will join the department in January, 2013. Our students also excelled in their university examinations and co-curricular activities. In the B.A. final examination of 2012 (under C.U.), 9 out of 22 students secured First class, and 8 got more than 55%. The performance of UG and PG students under Presidency University in their first two semester examinations were very good. Sm. Taniya Bhadrwaj excelled in various debating competitions in different parts of the country. She was adjudged as the best speaker in Udayan Mukherjee Memorial Debate competition. Shri Souradip Sen won the inter-college debating competition, at the International Relations Scholastic Conclave organized by the Jadavpur University. As usual, our students secured admission for higher studies in different reputed institutions in India and abroad. They were also very active in various cultural events of the university throughout the year.

### Seminars organized by the Department and Visitors to the Department

Name of the Speaker / Visitor	Institutional Address	Topic
Prof. Karuna Sindhu Das	Former Vice Chancellor, Rabindra Bharati University.	Rabindranath and the Indian Society
Prof. Gautam Kumar Basu	Deptt. of International Relations, Jadavpur University	Society and Politics of Contemporary India
Prof. Apurba Mukhopadhyay	Netaji Institute for Asian Studies, Kolkata.	Society and Politics of Contemporary India
Prof. Debjani Sengupta	Deptt. of Sociology, Kalyani University	Society and Politics of Contemporary India
Prof. Amartya Mukhopadhyay	Deptt. of Political Science, Calcutta University	Society and Politics of Contemporary India

Name of the Speaker / Visitor	Institutional Address	Topic
Prof. Anik Chatterjee	Deptt. of Political Science, Presidency University.	Teaching South Asia in an American University
Prof. Karuna Sindhu Das and Politics	Former Vice Chancellor, Rabindra Bharati University.	Rabindranath's views on Indian Society
Prof. Achin Vanaik	Deptt. of Political Science, Delhi University.	Terrorism and the Empire
Dr. Philippe M.F. Peycam (Visitor)	Director, International Institute for Asian Studies, Leiden, Holland.	Collaborative Areas

**Research Activities of the Department:** Faculty members are engaged in research in different areas of Political Science and International Relations. Ph.D. Programme to begin soon.

**Other Academic Activities:** Talks for collaborations with various universities and research institutions in India and abroad are in full swing.

#### List of Publications:

##### Research Paper

- Haokip, T.** (2012), 'Recent Trends in Regional Integration and the Indian Experience', *International Area Studies Review*, Vol. 15, No. 4, pp. 377-392.
- Haokip, T.** (2012), 'Is there a Pan-North-East Identity and Solidarity?' *Economic & Political Weekly*, Vol. XLVII, No. 36, September 8, pp. 84-85.
- Haokip, T.** (2012), 'Political Integration of Northeast India : A Historical Analysis', *Strategic Analysis*, Vol. 36, Issue 2, March, pp. 304-314.
- Haokip, T.** (2012), 'Kuki Churches Unification Movements', *Journal of North East India Studies*, Vol. 2, No. 2, pp. 29-44.
- Samad Gayen, A.** (2012), 'Rabindranath on Hindu-Muslim Relations in India', *The West Bengal Political Science Review*, vol. xiv, no. 1, pp. 101-113.

##### Paper in Edited Volume

- Chatterjee, A.** (2012), "India-Pakistan Relations: A Framework for Future Peace" in Riaz Shaikh (ed.) *Back From the Brink: India-Pakistan Ties Revisited*, Karachi, Ushba Publishing House, pp. 346-368.
- Chatterjee, A.** (2012), "The Eagle and the Peacock would Fly High Together: Assessing the Future of India-U.S. Relations" in Raj Kumar Kothari (ed.), *Emerging India as a Global Player: Growing Ties and Challenges*, New Delhi, Atlantic Publishers, pp. 3-18.
- Chatterjee, A.** (2012), "Foreign Policy: Different Concepts" (in Bengali), in Purusottam Bhattacharya and Anindya Jyoti Majumdar (eds.), *An Outline of International Relations*, Second Edition, Kolkata, Setu Prakashan, pp. 61-83.

##### Paper in Special Publication

- Basu, P.** (2012), *Governance and Naxalism: Report of Expert Group to Planning Commission*, Department of Political Science, University of Calcutta, under the UGC-DRS (Phase II) Programme.

##### Edited Volume

- Basu, P. (Ed.)** (2012), *Red on Silver: Naxalites in Cinema*, Kolkata, Setu Prakashan, 458 pp.
- Basu, P. (Ed.)** (2012), *Modern Social Thinkers*, Kolkata, Setu Prakashan, 358 pp.
- Basu, P. (Ed.)** (2012), *Monone Srijone Naxalbari: Bangalir Sanskritik Anusandhan*, (in Bengali), Kolkata, Setu Prakashan, 294 pp.

**Chatterjee, A. (Ed.)** (2012), *International Relations*, New Delhi, Pearson Education, 312 pp.

**Chatterjee, A. (Ed.)** (2012), *World Politics*, New Delhi, Pearson Education, 246 pp.

**Chatterjee, A. (Ed.)** (2012), *Asian Politics*, New Delhi, Pearson Education, 296 pp.

**Haokip, T. (Ed.)** (2012), *The Kukis of Northeast India: Politics and Culture*. New Delhi: Bookwell, 240 pp.

### Seminar Lectures Delivered / Workshop attended by Teachers as Resource Person

#### Dr. Anik Chatterjee

1. Invited to present a paper on "Theorizing the Global South in IR: Problems and Prospects" at the First Global South International Studies Conference (Nov.29 – Dec. 01, 2012) organized by the Sciences Po (Menton) and the International Studies Association (ISA, Arizona) at Menton, France, November 30, 2012.
2. Invited as a Resource Person to speak on "Mainstream IR Theories and the Global South: A Critique" at the UGC sponsored Refresher Course on *Comparative Politics and International Relations: Changing Dimensions and Frontiers*, Department of International Relations, Jadavpur University, Kolkata, December 13, 2012.
3. Invited as a Resource Person to speak on "Indo-Pak Relations in the New Century", at the FAEA Workshop organized by the FAEA (New Delhi) and Presidency University, A.J.C. Bose Auditorium, Presidency University, Kolkata, India on October 12, 2012.
4. Invited as a Resource Person to speak on "Indo-Pak Relations in the Light of the Recent Visa Agreement", at a Seminar organized by the Department of Political Science, Calcutta Girls' College, Kolkata, India on September 27, 2012.
5. Invited as a Resource Person to speak on "Teaching South Asia in an American University", at a Seminar organized jointly by the Council for Political Studies, Kolkata and Department of Political Science, Presidency University, Kolkata, India, on April 20, 2012.
6. Invited as a Resource Person to speak on "Problem of Corruption and the Role of the Civil Society in India", on March 25, 2012 at the UGC sponsored National Seminar on *Problem of Corruption and National Economy at Surendranath Law College, Kolkata, India*, March 24 & 25, 2012.
7. Chaired a session "Society and Politics of Contemporary India: Views from Young Scholars" at a day-long Seminar on *Society and Politics of Contemporary India*, organized jointly by the Council for Political Studies, Kolkata and Department of Political Science, Presidency University, Kolkata, India, March 10, 2012.
8. Chaired a session on "Life and Works of Maulana Azad" on March 02, 2012 at the UGC sponsored State-level Seminar on *Politics and Conflict: Lessons From Maulana Abul Kalam Azad at Shibpur Dinabundhoo Institution (College), Shibpur, Howrah (W.B.), India*, March 01 & 02, 2012.
9. Invited as a Resource Person to speak on "Political Philosophy of Maulana Abul Kalam Azad: Contemporary Relevance", on March 02, 2012 at the UGC sponsored State-level Seminar on *Politics and Conflict: Lessons From Maulana Abul Kalam Azad at Shibpur Dinabundhoo Institution (College), Shibpur, Howrah (W.B.), India*, March 01 & 02, 2012.
10. Invited as a Resource Person to speak on "Terrorism and the Language of Indian Politics" at the UGC sponsored State-level Seminar on *Terrorism: Possible Remedies* at Susil Kar College, Champahati, W.B., January 06, 2012.

#### Nandalal Chakrabarti

1. Invited to deliver a lecture on the 'Disappearance of Netaji Subhas Chandra Bose' at the Institute of Historical Studies, Kolkata, June 12, 2012.
2. Invited as a Resource Person to speak on "Preamble of the Indian Constitution and its Relevance today", at the FAEA Workshop organized by the FAEA (New Delhi) and Presidency University, A.J.C. Bose Auditorium, Presidency University, Kolkata, India on October 10, 2012.

#### Abdus Samad Gayen

1. Invited as a Resource Person to speak on Society, Individual and the Question of Ethics, in a Teachers' Orientation Workshop on "Value Education", in MCKV Institute of Engineering, Howrah, W.B., November 12, 2012.
2. Invited as a Resource Person to speak on Swami Vivekananda's Concept of Bharatvarsha, in an International Seminar organized by the Department of Education, Kalyani University, W.B., April, 2012.

3. Invited to deliver a lecture on "Jnanjoga and Applied Vedanta" at R.K. Mission Institute of Culture, Kolkata, March 2012.
4. Invited as a Resource Person to speak on "Governance, Corruption and Right to Information", in a National Seminar organized by the Institute of Higher Studies, Balasore, Odisha, February, 2012.

**Dr. Satyabrata Sinha**

1. Invited to present a paper on "Sino-Indian Strategic Relations: An Assessment", *Sino-Indian Economic Dialogue: From Bilateral trade to Strategic Partnership*, 25<sup>th</sup> February 2012, Institute of Peace and Conflict Studies (IPCS) and Sikkim University.
2. Invited to present a paper on "Conceptualising Conflict", *Gandhi And Conflict Resolution: India's Leverages And Lessons*, 2<sup>nd</sup> October 2012, Association of Asian Scholars and Gandhi & Peace Resource Centre, Vardhaman Mahaveer Open University, Kota.
3. Invited to present a paper on "Understanding China's Central Asia Policy", *India and Central Asia: Perspectives on Bilateral and Regional Cooperation*, 18<sup>th</sup> October 2012, Centre for Research in Rural and Industrial Development and Centre for Central Asian Studies, University of Kashmir.
4. Invited to present a paper on "Peace and Conflict Studies: Problems and Prospects", *The Dawning of the 'Asian Century': Emerging Challenges before Theory and Practices of International Relations in India*, 10<sup>th</sup> December 2012, Indian Association of International Studies, New Delhi.

**Dr. Thongkhola Haokip**

1. Organised Workshops on the theme: i) Kuki Autonomy Movement and its Challenges ii) Impact of Govt. Laws on Traditional Governance jointly with Damdei Christian College and sponsored by Indian Council of Social Science Research - North Eastern Regional Centre (ICSSR-NERC, Shillong), at Motbung, Manipur, 13-14 January, 2012.

**Zaad Mahmood**

1. Invited to deliver a UGC Special Lecture on *Muslims in the Media* at Central Calcutta Girls' College, October 08, 2012.
2. Acted as a Discussant in the Seminar on *Adapting Governance to Change: Lessons from and for West Bengal*, Department of Political Science, Calcutta University, March 07, 2012.
3. Organized a UGC National Seminar *On the role of RBI in Changing Globalised Scenario* at S.A. Jaipuria College, Kolkata, February 18, 2012.

**Staff List**

**A. Teaching**

Anik Chatterjee, Head of the Department  
Pradip Basu  
Nandalal Chakrabarti  
Bikash Chandra Dutta  
Abdus Samad Gayen  
Thongkhola Haokip  
Satyabrata Sinha  
Zaad Mahmood  
Madhuchanda Ghosh

**B. Non-Teaching**

Swapan Kumar Nandi  
Ram Nath Prasad

**Guest Faculty**

Prasanta Ray, Presidency University  
Sobhanlal Dattagupta, Calcutta University (Retd.)  
Gautam Kumar Basu, Jadavpur University

## Department of Sociology

### News from the Department

The department has from its very inception greatly depended on guest teachers, particularly owing to the efforts of Professor Prasanta Roy who invited faculty from other departments of Presidency College and from other colleges and institutes to teach students of Sociology. In the contemporary state, the guest faculty continues to be an integral part of the teaching staff alongside the regular faculty at the department, particularly in the teaching of the postgraduate programme which has been created a year ago under Presidency University.

The students of Sociology continue to do the department proud. In April 2012 9 students secured a first class in the B.A. Part III examinations and 10 secured a first class in their Part II examinations. The students of PG 1st and 4th semesters have done well in their examinations securing about 70% on an average. The students who graduated from the department in 2012 have also been accepted by some reputed Universities for their Masters: 5 students from this year are doing their MA at Hyderabad Central University, 3 at the Tata Institute of Social Sciences and 1 at Benaras Hindu University. Among former students of the department, 6 have cleared the National Eligibility Test conducted by the University Grants Commission, 2 of who have been awarded the Junior Research Fellowship.

The Department of Sociology is at another crucial juncture today. Earlier this year a workshop was conducted for the redesigning of the B.A. and M.A. syllabi. Around the end of 2012 four new faculty members in the Department of Sociology have been recruited by the Presidency University who have completed or are pursuing their PhD at reputed Universities in India and abroad, three of them being former students of the department. This addition has introduced vibrancy and a diversity of research specializations to the department, and the strength of the current faculty in a department which once almost entirely relied on 'lent' help is unprecedented.

On December 5th, 2012 a seminar was organized by the Department of Sociology in collaboration with the International Centre, Calcutta where the guest speaker Professor Dipankar Gupta, former Professor at the Centre for the Study of Social Systems, Jawaharlal Nehru University, New Delhi delivered a lecture titled: 'Country Town Nexus: The Political Implications of India's Growth Story'. The lecture delivered on the shifting landscapes of rural and urban India which challenge earlier and more textbookish perceptions of 'village India' or 'town', stimulated a lively interaction between the guest speaker, the students, and other guests present

### Seminars organized by the Department:

Name of the Speaker	Institutional Address	Topic
Professor Dipankar Gupta	Former Professor of Sociology, Centre for the Study of Social Systems, Jawaharlal Nehru University, New Delhi	"The Country-Town Nexus- India's Growth story and its Political Implications"

### Research Activities of the Department:

Department provides a suitable research environment. All the members are actively engaged in research. At present the Department has Research Projects

Title of the Project	Principal Investigator	Funding Agency	Amount	Assistants, if any
Emerging Scenario of Agri-Business in India: A Sociological Study	Samit Kar	Planning Commission	Rs.4,75,000	1. Aparajita Chakraborty 2. Amritarupa Sen 3. Sudeshna Roy 4. Monoj Bose

Title of the Project	Principal Investigator	Funding Agency	Amount	Assistants, if any
Implementing Tagore's Thoughts to Deed	Samit Kar	Ministry of Culture, Government of India	Rs. 2,00,000	Suchandra Roy Choudhury
The Social Status of Women as Reflected in Bengali Literature (1801-1950)	Ansguman Sarkar, Dr. Umi Roy Choudhury, (Reader, Department of Bengali, Calcutta University)	University Grants Commission	Rs. 6,70,000	6

#### List of Publications by the Teachers of the Department:

##### Publication of Books (Edited or Monographs)

Kar, S. (Ed.). (2012) *Social Thought of Swami Vivekananda*. Directed Initiative, Kolkata.

Kar, S. (2012) *Bipanna Bangali, Samaj Jakhon Sahid*. Kishalay Prakashan, Kolkata.

Kar, S. (2012). *Samya, Samajtata o Rabindranath*. K.P.Bagchi and Company, Kolkata.

Saha, S. (2012) *Globalisation And Hindu Nationalism: A Case Study Of West Bengal (1991-2001)*. Readers Service, Kolkata.

##### Articles in Peer Reviewed Journals:

Sarbadhikary, S. (2012). Hearing the community and nation : A history of vaishnavism in Bengal as sung through traditions of Kirtan music. *Jadavpur University Journal of Sociology* volumn 5.

Sarkar, A. (In Press). "Colour in Campus", *Socialist Perspective*.

##### Articles in Edited Books:

Sen, H. (In Press): Koloniale Soziale Arbeit: Die Thematisierung der Kindheit in Indien. In: **Homfeldt, Hans Günther/ Bähr, Christiane/ Schroder, Christian/Schroer, Wolfgang/Schwepe, Cornelia** (Eds.): *Weltatlas Soziale Arbeit*. BELTZ Juventa. Weinheim/München

Sen, H. (In Press): Halcyon Days? Bengali Middle Class Childhoods and Tales of Transformation. In: Saalman, Geniot. (Ed.): *Changing India- Yesterday and Tomorrow*, Palm Leaf Publications, New Delhi.

##### Seminar/ Lectures Delivered/ Workshop Attended as Resource Person by Teachers:

###### Prasanta Ray

Presented a Paper titled 'Sukumar Ray Meets Homi Bhabha', Conference on 'Interrogating Globalization'. Rani Birla College, March 13, 2012.

Delivered a Lecture: 'On the Shoulders of Robert Nisbet', Department of Sociology, Jadavpur University, March 15, 2012.

Delivered a Keynote Lecture 'From *Kalantar* to *E Bela*: Measures of Social Time in Bengali Middle Class Psyche', at the Annual Conference, West Bengal Political Science Association, December 1, 2012.

###### Samit Kar

Presented paper titled 'Culture in the Changing World: One World Many Voices' at the seminar "Culture in the Changing World", International Society for Culture and Friendship, December 11, 2012.

###### Suhrita Saha

Participated in Session on Curriculum Design at the Conference, 'Celebrating 40 Years of Centre for the Study of Social Systems'. Jawaharlal Nehru University, New Delhi, 18-19th December, 2012

###### Sukanya Sarbadhikari

Presented a paper titled 'Ingestion as affect, Empathy, and Experience of the desh among Sahajiya-Vaishnavas of Bengal, at the conference 'India : A Veneration Nation?' at the Department of Anthropology, University College London in June 2012

###### Hia Sen

Participated in Session on Curriculum Design at Conference, 'Celebrating 40 Years of Centre for the Study of Social

Systems', Jawaharlal Nehru University, New Delhi, 18-19<sup>th</sup> December, 2012.

Commentator at the International Conference 'Looking beyond the State: Changing Forms of Inclusion and Exclusion in India' on the Section 'Territoriality' at Japfi Christian College, Kohima, 21-22<sup>nd</sup> December 2012. organized by the National museum of ethnology, Japan.

### Staff List:

#### A : Teaching

Angshuman Sarkar (Head of the Department)

Samit Kar

Santilata Biswas

Suhrita Saha

Souvik Mondal

Hia Sen

Sukanya Sarbadhikary

Upal Chakrabarti

Prasanta Ray (Professor Emeritus)

#### B : Non-Teaching

U.D.C: Vacant

Ashutosh Chaudhuri

Mohanlal Rangoo

### Guest Faculty

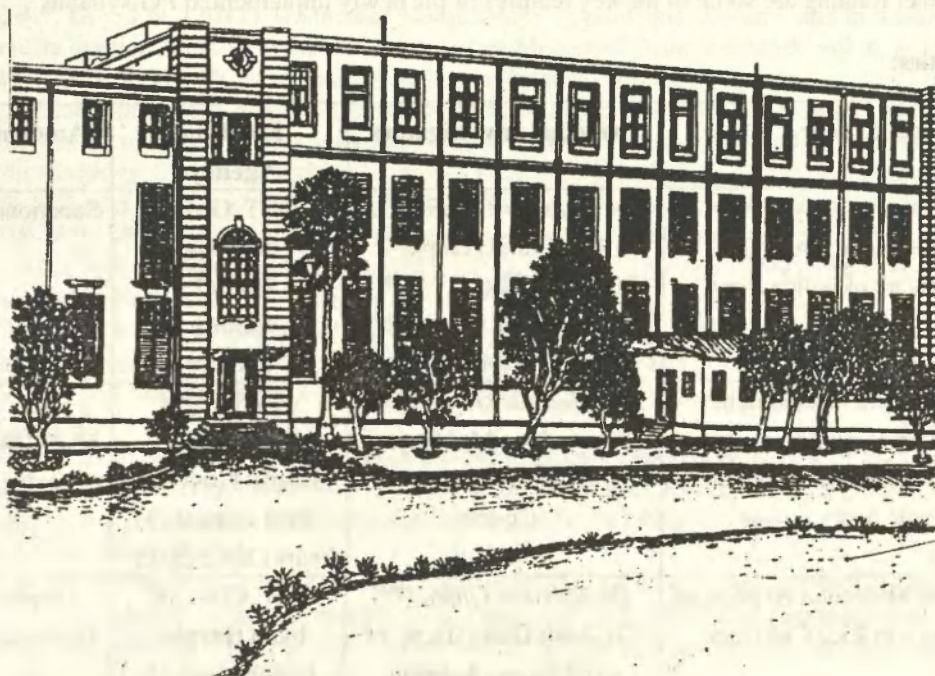
Prof. Asruranjan Panda, (Retd.) Scottish Church College

Prof. Sweta Ghosh; (Retd.) St. Xavier's College

Prof. Sujata Sen, University of Kalyani

Dr. Basabi Chakraborty, Rabindra Bharati University

Dr. Aniruddha Chowdhury, Hiralal Majumdar College, Dakshineswar.



## Department of Biotechnology

### News from the Department

The Post Graduate (PG) Department of Biotechnology is the youngest independent interdisciplinary department in the 195 years old premier institute of higher learning. The Department of Higher Education, Government of West Bengal has extended generous financial help to establish this department, which started functioning from 24<sup>th</sup> August, 2009. Dr. Jana Chakrabarti has taken over charge of the department from 3<sup>rd</sup> September, 2012. Two new faculty members, Dr. Abhik Saha and Dr. Nabendu Biswas, have joined this department from 1<sup>st</sup> November, 2012. Faculty members from various departments of this University as well as many others outside of this University have extended their munificent help in teaching as well as in developing the overall curriculum. Dr. Arijit Bhattacharya, a former faculty member has recently joined as an Assistant professor in Tripura University from May 2012, but has been around and helpful to his former department.

The department currently has twenty students. The second batch of 'M. Sc. Biotechnology' students have already qualified from the department in May, 2012. Ayushman Ghosh, a 2011 pass-out, qualified national level CSIR-NET (JRF) and joined NIMHANS (Bangalore) this year to pursue his Ph.D. In addition, two more 2011 pass-out students, Sayanta Dhar and Arnab Dawn, have joined 'Life Technologies India Pvt. Ltd.' and 'Imperial Life Sciences Pvt. Ltd.' as product specialists, respectively. Apart from this a number of students who have recently passed out have qualified an all India based examination conducted by 'Biotech Consortium India Limited (BCIL)' and subsequently joined various company training programs. Faculties of this department have been engaged in other academic activities such as acting as guest faculties of other under-graduate (UG) and PG departments, conducting workshop under the DBT-STAR college program and carrying out research activities in collaboration with other academic and research Universities/Institutes. With the advancement of 'Presidency College' to 'Presidency University', the department of Biotechnology has also entirely revised and improved the former syllabus. The syllabus has been framed with the help of experts from different universities and research institutes giving emphasis on the current trends and recent advancements in biotechnology. Continuous assessment in practical papers (with regular hands-on-training), seminars, grand viva, and compulsory summer training are some of the key features of the newly implemented PG-syllabus.

### Research Activities:

Title of the project & Year	Principal Investigators	Funding Agency	Amount	Research worker
Molecular dissection of polyamine mediated hyper-osmotic stress tolerance in cultivars of indica rice	<i>Dr. Bhaskar Gupta</i> (PI), Dr. Kamala Gupta (Bethune College, Co-PI), Dr. Arijit Bhattacharya (Tripura University, Co-PI)	DBT, Govt. of India (RGYI -Grant): 3 Years	Sanctioned	Under Process
Culture dependent and independent analyses of prokaryotic communities from the burrows, casts, and guts of earthworms from in and around Kolkata	<i>Dr. Bhaskar Gupta</i> (PI), Souryadeep Mukherjee (Dept. of Zoology, Co-PI)	West Bengal Biodiversity Board, Govt. of West Bengal: 3 Years (2012-2015)	Rs. 14,98,000/- only	1 JRF (Mr. Arijit De)
Biochemical and Molecular Aspects of Arsenic Tolerance in Rice Cultivars	<i>Dr. Bhaskar Gupta</i> (PI) Dr. Amit Dutta (Dept. of Civil Engg., Jadavpur University: Co-PI)	DST, Govt. of India (Inspire Fellowship) : 5 Years (2012-2017)	Inspire Fellowship	1 JRF (Ms. Torsha Goswami)



Title of the project & Year	Principal Investigators	Funding Agency	Amount	Research worker
Targeting Apoptosis-Autophagy Network in Virus Associated Human Cancers – A Therapeutic Approach	Dr. Abhik Saha (PI)	Ramanujan Fellowship, DST, Govt. of India	Rs 5 Lakhs contingency per year with 75,000 per month salary for 5 years (2012-2017)	None

#### Other academic activities:

The Department has organized various academic visits and practical demonstrations in Institutes and Universities of repute.

- West Bengal University of Technology, Kolkata Animal cell culture demonstration, Prof. Subrata K Dey (Director)
- Indian Institute of Chemical Biology, Kolkata FACS, Cell experiments, Immuno-phenotyping, Dr. Santu Bandyopadhyay, Chief Scientist, Dept. of Cell Biology and Immunology

#### List of Publications

- Bhattacharjya, S., Nath, S., Ghose, J., Maiti, G.P., Biswas, N., Bandyopadhyay, S., Panda, C.K., Bhattacharyya, N. P., and Roychoudhury, S. (2012) miR-125b promotes cell death by targeting spindle assembly checkpoint gene MAD1 and modulating mitotic progression. *Cell death and differentiation*, vol. , p. 1-13. (Impact Factor: 8.849).
- Chakrabarti, J.**, Chatterjee, R., Goswami, S.K., Chakravarty, B.N., and Kabir, S.N. (2012) Overt leptin response to controlled ovarian hyperstimulation negatively correlates with pregnancy outcome in *in vitro* fertilization-embryo transfer cycle. *Journal of Human Reproductive Sciences*, vol. 5(2), p. 196-201. (ISSN: 0974-1208).
- Chakrabarti, J.**, Chatterjee, R., Goswami, S.K., Chakravarty, B.N. and Kabir, S.N. (2012) Dynamic secretory profile of leptin and its impact during controlled ovarian hyperstimulation; *Asian J. Exp. Biol. Sci.* vol. 3(3); p. 629-636 (ISSN: 0975-5845).
- Dey, A.\*, **Gupta, B.\***, Dey, J.N. (2012) Traditional phytotherapy against skin diseases and in wound healing of the tribes of Purulia district, West Bengal, India. *Journal of Medicinal Plant Research*, vol. 6, p. (33): 4825-4831. DOI: 10.5897/JMPR12.916 (\*Corresponding authors). (Impact Factor: 0.879).
- Gupta, B.**, Gupta, K., and Mukherjee, S. (2012) Lipase production by *Serratia marcescens* strain SN5gR isolated from the scat of lion tailed macaque (*Macaca silenus*) in Silent Valley National Park, a biodiversity hotspot in India. *Annals of Microbiology*, (Springer-Verlag) [in -press]. DOI: 10.1007/s13213-012-0515-7. (Impact Factor: 0.689).
- Gupta, B.\***, Gupta, K.\*, and Sengupta, D.N. (2012) Spermidine-mediated in vitro phosphorylation of transcriptional regulator OSBZ8 by SNF1-type serine/threonine protein kinase SAPK4 homolog in indica rice. *Acta Physiologiae Plantarum*, vol. (Springer-Verlag) 34(4), p. 1321–1336. DOI 10.1007/s11738-012-0929-7 (\*Corresponding authors) (Impact Factor: 1.639).
- Gupta, K.\*, **Gupta, B.\***, Ghosh, B., and Sengupta, D.N. (2012) Spermidine and abscisic acid mediated phosphorylation of a cytoplasmic protein from rice root in response to salinity stress. *Acta Physiologiae Plantarum*, vol. 34 (1), p.(1): 29–40 (Springer-Verlag) (\*Joint 1<sup>st</sup> Author & Corresponding Authors) (Impact Factor: 1.639). DOI 10.1007/s11738-011-0802-0.
- Gupta, K., Chatterjee, C., and **Gupta, B.\*** (2012) Isolation and characterization of heavy metal tolerant Gram positive bacteria with bioremedial properties from municipal waste rich soil of Kestopur Canal (Kolkata), West Bengal, India. *Biologia*, vol. 67(5), p. 827-836. (Springer-Versita) DOI: 10.2478/s11756-012-0099-5) (\*Corresponding author) (Impact Factor: 0.557).
- Lu, J., Verma, S.C., Cai, Q., **Saha, A.**, Dzung, R., and Robertson, E.S. (2012). Enhanced KSHV latent infection and proliferative capacity during primary infection. *Plos Pathogens*. 8(1):e1002479. (Impact Factor: 9.127).
- Saha, A.**, Banerjee, S., Upadhyay S.K., Jha, H.C., Robertson, E.S. (2012). Pathogenesis and host control by human oncogenic gamma herpes viruses. *Pathogens* (In Press).
- Saha, A.**, and Robertson, E.S. (2012). Impact of Epstein-Barr virus Essential Nuclear Protein EBNA-3C on Cell Proliferation and Apoptosis upon B-cell Transformation. *Future Microbiology*, (in pPress). (Impact Factor: 3.819).

Saha, A., Lu, J., Morizur, L., Upadhyay, S. K., Prasad, A.J.M., and Robertson, E.S. (2012). Epstein-Barr virus Nuclear Antigen 3C Blocks E2F1 Induced Apoptotic Pathway in EBV Infected Cells. *Plos Pathogens*. 8(3): e1002573. (Impact Factor: 9.127).

#### Seminars & Workshops:

- Dey, T.K., Roychowdhury A., Banerjee S., **Chakrabarti J.**, Ghosh S and Dhar P. Comparative Nutritive Analysis of Three Edible Molluscs: *Lamellidens marginalis*, *Anadara granosa* and *Bellamya bengalensis*; at the UGC sponsored State level seminar, January 31, 2012, organized by the Department of Environmental Science & Zoology, Netaji Nagar College for Women, Kolkata.
- Ghosh, S., and **Chakrabarti, J.**, Gonadal steroids and the neuroendocrine regulation of birdsong: an overview; at the UGC sponsored State level seminar, February 11, 2012, organized by Department of Zoology, Hooghly Mohsin College, Hooghly, West Bengal.
- Poster presentation, 'A new insight into the role of spermidine in alleviating arsenic toxicity in rice - **Bhaskar Gupta** and Kamala Gupta' in Acharya P C Ray National Young Scientists' Conference Organised by The Presidency University.
- Chakrabarti, J.**, Chakravarty, BN. and Kabir, SN., Insulin resistance differentially modulates leptin response to estrogens in women with polycystic ovary syndrome Poster presentation in the International Conference on Reproductive Health with Emphasis on Strategies for Family Planning & 22<sup>nd</sup> Annual Meeting of ISSRF, February 19-21, 2012, organized by the division of Reproductive Health & Nutrition, Indian Council of Medical Research, sponsored by The Indian Society for the Study of Reproduction and Fertility.
- Banerjee, S., Lu, J., **Jaha, A.**, Cai, Q., Jha, H.C., Dzung, R.K., Robertson, E.S., EBNA3C stabilizes IRF4 to promote B cell transformation by downregulating IRF8. **Poster presentation** in 'International Congress on Oncogenic Herpesviruses and Associated Diseases' held at Philadelphia, Pennsylvania, USA on August 1-4, 2012, organized by Abramson Cancer Center at Penn Medicine, Perelman School of Medicine at the University of Pennsylvania, Penn Dental Medicine and the Wistar Institute.
- Jha, H.C., Upadhyay S.K., **Saha, A.**, Cai, Q., Banerjee, S., Lu, J., Mahadesh, P. A.J., Robertson, E.S., EBNA3C mediated stabilization of aurora kinase B contributes to oncogenesis. **Poster presentation** in 'International Congress on Oncogenic Herpesviruses and Associated Diseases' held at Philadelphia, Pennsylvania, USA on August 1-4, 2012, organized by Abramson Cancer Center at Penn Medicine, Perelman School of Medicine at the University of Pennsylvania, Penn Dental Medicine and the Wistar Institute.
- Lu, J., Verma, S.C., Cai, Q., **Saha, A.**, Dzung, R.K., Robertson, E.S. The role of RBP-J $\epsilon$  and epigenetic modifications in KSHV infection of human primary cells. **Poster presentation** in 'International Congress on Oncogenic Herpesviruses and Associated Diseases' held at Philadelphia, Pennsylvania, USA on August 1-4, 2012, organized by Abramson Cancer Center at Penn Medicine, Perelman School of Medicine at the University of Pennsylvania, Penn Dental Medicine and the Wistar Institute.

#### Staff List

##### Faculty Members:

Jana Chakrabarti  
Bhaskar Gupta  
Abhik Saha  
Nabendu Biswas

##### Non-teaching Staffs:

Asish Maity  
Abdul Shovan Khan

##### Guest faculties :

Kamal Kumar Banerjee, Department of Zoology, Presidency University  
Jukta Adhikary, Department of Botany, Presidency University (presently in Bethune College, Kolkata)  
Madhubrata Choudhury, Department of Botany, Presidency University  
Nirmal Sarkar, Department of Zoology, Presidency University  
Indrani Chakrabarti, Department of Physiology, Presidency University  
Abhiji Dey, Department of Botany, Presidency University

Arijit Bhattacharya, Department of Microbiology, Tripura University  
 Krishnadas Nandagopal, Department of Genetics, Calcutta University  
 Arunima Biswas, CSIR Pool Officer, Jadavpur University  
 Soumitra Paul, Research Associate, Calcutta University

## Department of Botany

### News from the Department

Acharya Subodh Chandra Mahalanobis with the co-operation of the then Lieutenant Governor of Bengal Sir John Woodburn established the Department of Botany at Presidency College, Kolkata in the year 1900. Since then the department is offering Botany Honours course. It is a matter of great pride that the University of Calcutta started their Postgraduate course in this department in the year 1912 and continued up to 1918 and was reintroduced jointly from 1952. At the onset of the new millennium (2001-2002) the department was permitted to start an independent Postgraduate course in Botany and within a couple of years (2004-05) was granted **Postgraduate Academic Autonomy**. With the beginning of the new era, the department has completely revised and upgraded the syllabus of M.Sc. Botany and introduced the new syllabus from the 05-06 academic session giving emphasis to the current trends and recent advancements in Plant Sciences. Continuous assessment system in practical papers, students' seminar and grand-viva are some important features of the newly introduced PG syllabus. With the upgradation of the Presidency College to the Presidency University in the year 2010, the department introduced the semester system with new revised syllabus at the UG and PG level from the academic session 2011-12.

Since 2003 the Department of Botany has been enlisted as a "**DST-FIST SPONSORED DEPARTMENT**" by the **Department of Science and Technology, Govt. of India**, and received successive grants of Rs. 35 Lakhs for the first phase (2003-2008) and nearly 65 lakhs for the second phase (2009-2013). This grant has helped us immensely to strengthen our teaching and research both at the Undergraduate and Postgraduate levels.

### Students' performance:

Last batch of M.Sc. students under the University of Calcutta has completed their course and their result was declared in the month of August 2012. At the UG level under CU result was equally impressive. However Presidency University Students are in their 1<sup>st</sup> and 3<sup>rd</sup> Semester course at both the UG and PG level.

### Examination Number of students appeared Number of students obtained First Class

Examination	No. of students appeared	No. of students obtained First Class
M.Sc. Part- II	27	26
B.Sc. Part- II ( C.U.)	22	13
B.Sc. Part- III ( C.U.)	23	14

### Research Activities of the Department:

#### (a) Research project up-to May 2012

Title of the Project	Principal & Co- Investigators	Funding Agency	Amount (Rs.)	Research Worker(s)
I. "Germplasm preservation and clonal propagation of medicinally important <i>Swertia</i> sp".	Prof. T.B. Jha	CSIR	16, 50,000/-	Dr. Priyanka Mukherjee (RA)

**Registered Research students under CU working in the department**

- i. Bipasha Bashistha
- ii. Anusuya Basak
- iii. Anusree Das
- iv. Saswati Bhattacharya

**Other Academic Activities:**

- Anusree Das is selected CSIR SRF under Prof. Timir baran Jha
- Final year Post Graduate Students delivered seminar lectures based on the syllabus of NET examination during the period January to March 2012.
- Department organized a number of Hands on Training course for the UG students of Botany under DBT Star College programme in the beginning of 2012.
- Educational excursions: Like previous years, the Under-Graduate 1<sup>st</sup> Semester students participated in the educational excursions held at BSI, Shibpur Howrah and Bhitarkanika, Orissa under the supervision of faculty members, guest teachers and supporting staff namely Dr. Sukumar Sarkar, Dr. Rabindranath Bhattacharya, Dr. Animesh Ghoroi, Sri. Dibyendu Majumder and Sri Santosh Sasmal.
- Third Semester PG students visited different parts of Sikkim under the supervision of faculty member Mr. Abhijit Dey, and supporting staff Md. DeAmbia and Sri. Dibyendu Majumder.
- The sole objective of such excursions was to understand and interact with the ecological biodiversities. The excursions were held in between Sept. to December, 2012.

**List of Publications by the Teachers of the Department:**

1. Chhetri, D.R., Gupta S., Mukherjee, A.K. and Adhikari, J. 2012, L-*myo*-Inositol-1-Phosphate Synthase expressed in developing organ: Isolation and Characterisation of the enzyme from Human Fetal Liver. Appl. Biochem. Biotechnol. 167:2269-2282 (2012) DOI 10.1007/s12010-012-9767-8 [Springer, USA]
2. Mandal, S.M., and Bhattacharyya, R. (2012) *Rhizobium*-Legume symbiosis: A Model system for recovery of metal- contaminated agricultural land " In the book "Toxicity of heavy metals to legumes and bioremediation", Springer.
3. Dey, A. and De, J.N., 2012. Phytochemistry of antiophidian botanicals: A review. International Journal of Pharmacology. 8(2): 62-79. Print ISSN: 1811-7775. Impact Factor: 1.503, DOI: 10.3923/ijp.2012.62.79
4. Dey, A. and De, J.N., 2012. Anti snake venom botanicals used by the ethnic groups of Purulia District, West Bengal, India. Journal of Herbs, Spices and Medicinal Plants, Taylor and Francis, UK. 18(2): 152-165.. DOI: 10.1080/10496475.2011.652298
5. Mukherjee, S., Ghosh, P., De, A., Dey, A., 2012. Altitudinal variation of *in vitro* antibacterial activity of different tissue types of *Dumortiera hirsuta* from eastern Himalaya. Asian Pacific Journal of Tropical Disease. (Suppl. 1): S285-S290. Elsevier. ISSN 2222-1808.
6. Mukherjee, S., Dey, A. and Das, T. 2012. *In vitro* antibacterial activity of n-hexane fraction of methanolic extract of *Alstonia scholaris* L. R.Br. stem bark against some multidrug resistant human pathogenic bacteria. European Journal of Medicinal Plants. 2(1): 1-10.
7. Dafadar, A., Das, A., Bandyopadhyay, B., and Jha, T. B. (2012) , *In vitro* propagation and molecular evaluation of a *Capsicum annuum* L. cultivar with high chromosome number (2n=48). Scientia Horticulturae **140**: 119-124.
8. Jha, T. B. and Yamamoto, M. (2012) : Application of EMA, fluorescent staining and FISH of rDNA in analysis of *Aloe vera* (L.) Burm. f. chromosomes Bull. Fac. Agr. Kagoshima Univ. , **62**: 83-89.
9. Basak, A., Jha, T.B. and Adhikari, J. (2012): Biosynthesis of *myo*-Inositol in Lycopods: Characteristics of the pteridophytic L-*myo*-inositol-1-phosphate synthase and *myo*-inositol-1 phosphate phosphatase from the strobili of *Lycopodium clavatum* and *Selaginella monospora*. Acta Physiologiae Plantarum **34** (4): 1579-1582 .
10. Jha, T. B., Dafadar, A., and Ghoroi A. (2012) , New genetic resource in Capsicum, Plant Genetic Resources **10**(2): 141-144. .
11. Jha, T. B. and A. Dafadar (2012) : Invitro propagation of *Swertia bimaculata*, Indian J of Biotechnology, **11**: 295-299.
12. Jha, T. B., S Mukherjee, A Basak and Adhikari, J. (2012) : *In vitro* Morphogenesis in *Selaginella microphylla* (Kunth.) , Plant Biotechnology Reports , DOI 10.1007/s11816-012-0255-y .

13. **Dey, A. and De, J.N.**, 2012. Ethnomedicinal plants used by the tribals of Purulia district, West Bengal, India against gastrointestinal disorders. *Journal of Ethnopharmacology*, Elsevier, 143(1): 68-80. Impact Factor: 3.014 (5-Year Impact Factor: 3.728). DOI: 10.1016/j.jep.2012.05.064.

#### Seminar, Lectures Delivered / Workshop attended as resource persons by Teachers :

**Dr. R.N. Bhattacharyya** delivered a lecture on "Role of microbes in vermicomposting " In " Incubating new emerging technology skills " on 17<sup>th</sup>. October 2012 at Vivekananda Institute of Biotechnology, Nimpith ,W. Bengal.

#### Achievements:

Basistha, B., Ghosh, A.K. and **Ghosh, S.** The research paper entitled 'Regulation of Trehalose Metabolism by Methylation in Yeast' was awarded as the 'Best Poster Paper Award' at the **3<sup>rd</sup> Global Conference: Plant Pathology For Food Security**, 2012, held at Rajasthan College of Agriculture, Udaipur, India, Jan.,10-13, 2012 .

#### Staff List:

##### A. Present faculty members:

Timir baran Jha  
Tarit Kr. Sadhu  
Satadip Sarkar  
Madhubrata Choudhury  
Sukumar Sarkar  
Abhijit Datta  
Rabindranath Bhattacharyya  
Sumita Ghosh  
Shri Abhijit Dey

##### B. Non-Teaching:

Tarun Kanti Roy  
Md. Delambia  
Sukumar Barua  
Dibyendu Majumder  
Bina Hela  
Raja Hela

#### Guest faculties:

A. Mukherjee (Burdwan University)  
Samarendra Nath Ghosh (Retired Teacher)  
Sital Chattopadhyay (City College, Kolkata)  
Animesh Ghorai (Retired Teacher)  
Subhendu Chaudhury (Retd. Professor, Bidhan Chandra Krishi Visvavidyalaya, Kalyani)

## Department of Chemistry and Biochemistry

### News from the Department

With its glorious heritage and long history as a Department of the erstwhile Presidency College, the Department of Chemistry & Biochemistry started functioning as a vibrant department of Presidency University from 2011. The highlights of the major activities of the department for the year 2012 are:

Three Professors (Dr. Gandhi K. Kar, Dr. Bijan Das and Dr. Dipak K. Mandal) and two Assistant Professors (Dr. P. Sasikumar and Dr. Dibyendu Senapati) joined the department.

Dr. Gandhi Kumar Kar, Professor of Chemistry took over charge, as the Head of the Department of Chemistry and Biochemistry, with effect from 28<sup>th</sup> September, 2012.

Dr. Sanjib Ghosh joined as Emeritus Scientist, CSIR (Govt. of India) on 2<sup>nd</sup> January, 2012.

Dr. Sanjib Ghosh, Emeritus Scientist (CSIR) has been appointed as member of the State Council of Department of Science and Technology, Government of West Bengal.

Dr. Sanjib Ghosh has been invited as Guest Professor for Integrated PhD programme at Indian Association for the Cultivation of Science, Kolkata 2012.

The Department has been successfully maintaining its tradition and is moving forward as to the performance of the students at the

### Undergraduate Level

B. Sc Part-III (1+1+1) Chem Hons Examination 2012: Appeared: 42; Ist Class: 37; Highest: 87.78% (Sri Suvanip Biswas; All time record marks in B.Sc Chem. Hons Examination of Calcutta University; 15 students scored above 75% marks in Chemistry Hons ) Rank in the University 1<sup>st</sup>, 4<sup>th</sup>

B. Sc Part-III (1+1+1) Biochem Hons Examination 2012: Appeared: 7; Ist Class : 5 ; Highest 76.5%; Rank in the University: 1<sup>st</sup>

B. Sc Part-II (1+1+1) Chem Hons Examination 2012: Appeared 41; Ist Class 29; Highest 81% Rank in the University: 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>

B. Sc Part-II (1+1+1) Biochem Hons Examination 2012: Appeared 6; Ist Class 6; Highest : 76% Rank in the University 2<sup>nd</sup> ,

B. Sc (Chem Major) Sem-II Examination 2012: Appeared 28; Highest: SGPA 9.33

B. Sc (Biochem Major) Sem-II Examination 2012: Appeared 8; Highest : SGPA 8.67

30 U.G (Chem.. Hons) students qualified in JAM (IIT Entrance) Examination 2012. Asmita Singha stood first at this all India level. 3 students have been selected for the integrated Ph.D programme of IISc Bangalore and 2 in JNCASR.

In addition 5 more students were also selected for integrated Ph.D Programme at IACS though all of them opted for IIT M.Sc Programme.

### Postgraduate Level

M. Sc (Chem) part-II Examination 2012: Appeared 24; Ist Class 24; Highest 79.2% ,

M. Sc (Chem Major) Sem-II Examination 2012: Highest: SGPA 8.41

6 Postgraduates student have qualified in NET CSIR / UGC / GATE/ LS Examination

3 Research Scholars— Prasanta Patra (Under Prof. Gandhi K. Kar) , Khokan Samanta (Under joint supervision of Prof. Gandhi K. Kar and Prof. Achintya K. Sarkar), Susanta Debnath (under Dr. Uday C. Ghosh) have been awarded with Ph.D. Degree (Calcutta University). Anisur Rahaman Molla (under Prof D. K. Mandal) and Tina Basu (under Dr. Uday C. Ghosh) have submitted thesis for Ph.D Degree.

## Seminars organized by the Department and visitors to the Department:

Date	Name of the Speaker	Institutional Address	Topic
06 December 2012	Dr. Rajarshi Guha	National Institute of Health, Rockville, USA	Predicting Biological Activity from Molecular Structure

## Research Activities of the department

Title of the project	Principal & Co investigators	Funding Agency	Amount (Rs)	Research Worker
Studies towards the synthesis of biologically active natural and non-natural furoquinones, furo-macrolides and their thiophene analogs	Prof. Gandhi K. Kar	DST-SERB (Project No. SR/S1/OC-30/2011 dated 9.3.2012)	Rs. 23.0 lakhs (for 3 years; 2012-15) (Amount sanctioned for the current year Rs. 13.0 lakhs)	Rumpa Hajra Faruk H. Saik; Tuhin B. Maiti (All are part-time research fellow)
Studies towards the synthesis of condensed heterocycles via alkynylation, arylation and olefination of $\alpha$ -halo- $\alpha,\alpha$ -unsaturated aldehyde intermediates	Prof. Gandhi K. Kar	CSIR [08/155(0040)/2010-EMR-1]	Rs 3.04 lakhs (per year/ Scholar's fellowship & Contingency)	Moumita Rakshit (NET-CSIR/ SRF)
Interactions between poly-electrolytes and surface active ionic liquids	Prof. Bijan Das	DST [SR/S1/PC-67/2010]	30,35,800 (Total) (12,19,475; sanctioned for 2012)	Dhiman Ray (JRF)
Studies on structural perturbation, molecular dynamics simulation and chemical synthesis of lectin peptides and proteins	Prof. Dipak K. Mandal	CSIR [02/(0028)/11/EMR-II]	20.92 lakhs	Pritha Mandal (part time research fellow)
Folding and structure of proteins and peptides: studies with lectins	Prof. Dipak K. Mandal	CSIR [08/155(0037)/2009-EMR-1]	3.04 lakh (per year/ Scholar's fellowship & Contingency)	Goutam Ghosh (NET-CSIR/ SRF)
Folding and association of $\alpha$ -Sheet proteins: studies with oligomeric plant lectins	Prof. Dipak K. Mandal	CSIR [08/155(0044)/2009-EMR-1]	3.04 lakh (per year/ Scholar's fellowship & Contingency)	Debashis Sen (CSIR/ SRF)
Characterization and Evaluation of Some Plant Polymeric Gum as Flame Retardant and Antioxidant Additive for Polymers	Dr. Arup K. Ghosh	UGC (MRP) (PSW-073/09-10)	Rs. 1.63 lakh (for 2 years) Rs 8,000/- (amount sanctioned for 2012-13)	—
Photoinduced energy transfer, photophysical aspects, and docking studies of biomolecules and their interaction with other molecule	Dr. Sanjib Ghosh (PI) and Dr. Samrajnee Dutta (Co-I)	DST (Project No. SR/S1/PC-57/2008)	Rs. 51,58664/- (amount sanctioned for current year: Rs.4,51,712/-)	Dr. Pinki Saha Sardar (RA), Manini Mukherjee (SRF), Sagarika Sanyal (Part Time fellow)
Photophysical Aspects and Electron Transfer Photoinduced Energy Transfer/in Ternary System Consisting of Two Donors and One Acceptor	Dr. Sanjib Ghosh	CSIR (Project No. 21(0871)/11/EMR-II)	Rs. 15,86685/- (for 3 years) (amount sanctioned for current year: Rs.4,08,730/-)	Sugata Samanta (JRF), Anirban Pal (Part time research fellow)

Title of the project	Principal & Co investigators	Funding Agency	Amount (Rs)	Research Worker
Photophysical aspects and docking studies of bio-molecules with emphasis on photoinduced energy transfer.	Dr. Sanjib Ghosh	CSIR (Project No.08/155 (0038) /2009-EMR-I)	3.04 lakh(per year/ Scholar's fellowship & Contingency)	Shyamal Kr Ghorai (NET-CSIR/ SRF)
Time resolved emission studies in protein and peptides at different temperatures.	Dr. Sanjib Ghosh	CSIR (Project No.08/155 (0039)/2009-EMR-I)	3.04 lakh(per year/ Scholar's fellowship & Contingency)	Swarna Kamal Samanta (NET-CSIR/ SRF)
Synthesis Characterization and Evaluation of Some Polymer Nanocomposites Based on Nanodimensional Polivalent Transition Metal Mixed Oxides	Dr. Uday Chand Ghosh (PI) and Dr. Arup K.Ghosh (Co-I) and Dr. Amitabha De (Co-I/ Chemical Division, SINP)	CSIR, New Delhi, (01/2393/ 10-EMR-II)	11,21400/- (for 3 years)(amount sanctioned for 2012-13: 4,14,000/-)	Debabrata Nandy (JRF)
Synthetic nanostructured agglomerates of mixed metal oxides: arsenic sorption behavior and mechanism in the presence of ions occurring in ground water	Dr. Uday C. Ghosh	CSIR [09/028 (08112010-EMR-I)]	3,04,400/- for FY 2012-2013	Tina De (SRF)
Polymer-Inorganic Hybrid Nanocomposites (PIHNC)- Preparation, Characterization and Their Potential as Nanodielectrics.	Dr. Mukul Biswas (PI) and Dr. Arabinda Nayak (Co-I) (Physics Dept)	CSIR, New Delhi, (01/2342/09/ EMR-II)	Rs.13,58,000/- (01.10.2009-31.09.2013) (amount sanctioned for 2012-13: Rs 362000/-)	Ipsita Halder
Design consideration and field performance validation of high arsenic removal water filter packed with lab-bench developed material: A lab-to-field Technology transfer programme	Dr. Uday C. Ghosh (Co-I) and Dr. S. Chakrabarti (PI/ ESM Department)	DST [DST/TM/WTI /2K11/299(G)]	Rs.19,46600/- (Sanctioned for current year 11,10,800/-)	Abir Ghosh (JRF)
	Dr. Sanjib Bagchi (UGC emeritus fellow)	Honorium & Contingency (UGC)	Rs. 2.9 lakh	
Studies on noble metal biomolecule complexes-their action on bacteria and tumor cells	Dr. Snigdha Ganguly (Retired)	Higher Education Dept. Govt. of West Bengal	Rs.22,000 (January to March,2012)	Dolan Sengupta (Part time research scholar)

#### Other Academic Activities:

- i) Prof Gandhi K. Kar attended a National Symposium "FICS 2012" organized by the Department of Chemistry, I.I.T Guwahati during December 2-4, 2012. A poster entitled "Synthesis of some angularly fused novel 'U' shaped tetracyclic furoquinones simulating ABCD rings of Isotanshinone-II" by K. Samanta, G. K. Kar, was presented from his group.
- ii) Arup Kumar Ghosh presented one research paper on 'Thermal stability and flame retardancy of graphene / EVA copolymer nanocomposite' in the National Seminar 'Recent Advances in Polymer Science and Technology' (POLY-2012) held jointly by North Bengal University and Siliguri Institute of Technology, Siliguri during November 2-4, 2012.



- iii) Prof Mukul Biswas, Guest faculty, PG teaching and research attended a symposium "Celebration of 125th Year of Postgraduate Teaching in Chemistry Under Calcutta University", 31st August, 2012 and a poster entitled "Photophysical Aspects, Photoinduced Energy Transfer/Electron Transfer and Theoretical Studies of Biomolecules and Some Model Systems & Polymer-Inorganic Hybrid Nano-Composites" by P. Saha Sardar, M. Mukherjee, S. K. Ghorai, S. Samanta, S. Sanyal, S. K. Samanta, S. Ghosh, I. Haldar and M. Biswas was presented from his group.
- iv) CHEMI-QUIZ: 21<sup>st</sup> Decmber 2012; 17<sup>th</sup> CHEMI-QUIZ (an inter college quiz competition on chemistry) will be organized by the 3<sup>rd</sup> year B.Sc Chemistry and Biochemistry Hons. students of this Department. About 30 Colleges all over the West Bengal is going to participate in the contest.

### List of Publications:

#### Research paper:

- Ghorai, S. K., Samanta, S. K., Mukherjee, M., Saha Sardar, P., Ghosh, S. (2012) Tuning of "antenna effect" of Eu (III) in ternary systems in aqueous medium through protein binding. *Inorganic Chemistry* (In Press). (Impact factor : 4.611)
- Patra, P., Kar, G. K., Sarkar, A. K., Ray, J. K., Dasgupta, T., Ghosh, M., Bhattacharya, S. (2012) N-Aryl modification in  $\alpha$ -lactam: Design and synthesis of novel monocyclic  $\alpha$ -lactam derivatives as inhibitor for bacterial propagation. *Synthetic Communications* 42, 3031-3041. (DOI: 10.1080/00397911.2011.574807) (5 year impact factor: 1.058).
- Samanta, K., Kar, G. K., Sarkar, A. K. (2012) Intramolecular gold(III) catalysed Diels-Alder reaction of 1-(2-furyl)-hex-1-en-5-yn-3-ol derivatives: A short and generalized route for the synthesis of hydroxyphenanthrene derivatives. *Tetrahedron Lett.* 53, 1376-1379 (DOI: 10.1016/j.tetlet.2012.01.018) (Impact factor: 2.683).
- Samanta, K., Kar, G. K., Sarkar, A. K. (2012) Studies towards the synthesis of Chrysen-6-ol and Benzo[c]phenanthren-5-ol derivatives: Usual and unusual observations. *Polycyclic Aromatic Compounds* 32, 515-530 (DOI: 10.1080/10406638.2012.679016) (Impact factor: 1.023).
- Samanta, K., Sarkar, A. K., Kar, G. K. (2012) Pyrolysis of calcium salt of alkoxybenzoic acids fails to produce diarylketones: An unusual observation. *Synthetic Communications* (in press) (DOI: 10.1080/00397911.2011.599195) (5 year impact factor: 1.058).
- Patra, P., Kar, G. K., Khatua, B. (2012) Thermolysis of N-aryl enaminoimine hydrochloride derivatives: A short and general method for the synthesis of pyranoquinolin-3-one and pyranoacridin-3-one derivatives. *J. Heterocyclic Chem.* (in press) (Impact factor: 1.22).
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#### Seminar, Lectures Delivered / Workshop attended as resource person by teachers:

##### Prof. Bijan Das:

Invited as Resource Person, Orientation Programme, March 15, 2012, UGC Academic Staff College, North Bengal University, Darjeeling 734 013; Title: Polymers – Their Role in the Origin of Life.

##### Prof. D. K. Mandal:

Invited talk in UGC Refresher course at Calcutta University in August, 2012.  
Title: "Organic stereochemistry: Out-of-the-box approach"

##### Dr. Mukul Biswas:

Invited Talk in the National Seminar on "Recent Advances in Polymer Science and Technology" (POLY 2012) organized by Prof. Sukumar Maity Polymer Award Foundation, North Bengal University & Siliguri Institute of Technology, November 2-4, 2012. Title: Determination of the Intrinsic Viscosity of Polyelectrolytes: A Novel Method.

##### Dr. U. C. Ghosh:

Delivered a lecture on the topic "Classical Analysis Methods" on July 22, 2012 in a seminar "School of Analytical Chemistry" at Variable Energy Cyclotron Centre (VECC), Salt Lake City held on July 22-29, 2012 organised by BARC, Mumbai

#### Staff List:

##### A. Teaching Faculty:

Dr. Gandhi K., Kar (Professor and HOD)  
Dr. Bijan Das (Professor)  
Dr. Dipak K. Mandal (Professor)  
Dr. Achintya K. Sarkar (Professor)  
Dr. Gurucharan Mukhopadhyay (Assoc. Prof)  
Dr. Subrata Saha (Associate Professor)  
Dr. Arup Bandyopadhyay (Assoc. Professor)  
Dr. Sk. Abdul Gani (Associate Professor)  
Dr. Jyoti Nath Paul (Associate Professor)  
Dr. Tista Dasgupta (Associate Professor)  
Dr. Amita Kar (Associate Professor)  
Dr. Samranjee Dutta (Associate Professor)  
Dr. Arup K. Ghosh (Associate Professor)  
Dr. Dilip Maji (Assistant Professor)  
Dr. Pradipta Ghosh (Assistant Professor)  
Dr. Adity Bose (Assistant Professor)  
Dr. P. SasiKumar (Assistant Professor)  
Dr. Bidyut Senapati (Assistant Professor)

##### B. Non Teaching Members:

Sri Sushanta K. Roy  
Sri Khagendra Nath Jana  
Sri Ashok K. Nayak  
Sri Kartick Chandra Das  
Sri Shyam Sundar Prasad  
Sri Goutam Dutta  
Mrs Sushama Barik  
Sri Raj Kumar Ghosh  
Sri Biplab Sarkar  
Sri Dhiren Chandra Nath  
Mrs Radha Hela  
Sri Ram Narayan Hela

**Emeritus Fellow :** i) Dr. Sanjib Ghosh (CSIR)  
ii) Dr. Sanjib Bagchi (UGC)

**Guest Faculty (PG Teaching and Research):**

- Dr. Mukul Biswas, Ex-Professor, IIT, Kharagpur
- Dr. Snigdha Gangopadhyay, Ex-Professor, Presidency College
- Dr. Uday Chand Ghosh, Ex. Associate Professor, Presidency College.
- Dr. Gautam Chattopadhyay, Ex-Associate Professor, Presidency College

**Guest Faculty (PG Teaching):**

- Dr. Priralal Majumdar, Ex Professor, Calcutta University.
- Dr. Himangshu ranjan Das Ex Professor, Presidency College.
- Dr. Pijush Kanti Gangopadhyay, Ex D.P.I, Govt. of West Bengal.
- Dr. Prasanta Kumar Bhowmik, Ex Reader, Presidency College.
- Dr. Bhibhuti Bhusan Maji, Ex Reader, Presidency College.
- Dr. Manju Chakraborty, Ex. H.O.D, Bethun College.
- Dr. Asoke Banerjee, Ex. Reader, Surendranath College.
- Dr. Tapas Roychowdhury, Associate Professor, Charuchandra College.
- Dr. Rathindra Nath Ghosh, Associate Professor, RKMR College, Narendrapur.
- Dr. Arnab Halder, Asst. Professor, Shibpur Dinabandhu College.

**Guest Faculty (UG Biochemistry):**

- Dr. Bhaskar Gupta, Asst. Professor, Dept.of Biotechnology
- Dr. Arijit Bhattacharyya, Asst. Professor, Dept.of Biotechnology

**C. Vacant Position**

**Chemistry:** Professor: 2  
Associate Professor/Assistant Professor: 3

**Biochemistry:** Professor: 1  
Associate Professor/Assistant Professor: 4

(Considering that the teachers of the erstwhile Presidency College are still posted at this University)

**Non-Teaching Staff:** Group C: 2      Group D: 9

## Department of Economics

### News from the Department

The Department of Political Economy and Political Philosophy was created in 1908. The title was changed to the Department of Economics and Political Science following a similar change initiated for the M.A. course in Calcutta University in 1932. In 1960 the University adopted a new syllabus for the three year degree course when Economics and Political Science became two separate subjects and the department at the College also split into two departments: Economics and Political Science. In 2002, the department of Economics began to teach a new post graduate course in Applied Economics, autonomous of Calcutta University. In July 2011, the first batch of Economics (Major) students of Presidency University began their course and in September 2011 the first batch of M.Sc. Applied Economics students of Presidency University began their course as well. In 2012, three teachers joined our department of Presidency University: Mousumi Datta (Associate Professor) and Gagari Chakrabarty (Assistant Professor) in September and Pravesh Tamang (Assistant Professor) in October.

Undergraduate students from this department performed well in the Calcutta University Examinations, maintaining the tradition this year. The first position was taken by Priyasmitha Ghosh, second position by Aritri Das and the third by Debarati Raha in the B.Sc. Economics (Honours) Final Examination of the Calcutta University. Many of our students got selected in the best institutes in India like Indian Statistical Institute (Kolkata and Delhi), Delhi School of Economics, Jawaharlal Nehru University, Indira Gandhi Institute of Development Research and Gokhale Institute of Economics and Politics.

The results of our Post Graduate Applied Economics students was very good this year and the number of first classes in close to 100%. Three of the outgoing second year Post Graduate students have already been placed in I.C.R.A. (Kolkata), two in H.S.B.C. (Kolkata) and one in Mu-Sigma (Bangalore) through on-campus recruitment. One, in off-campus recruitment, has been selected as Lecturer in Economics at G.D. Goenka World Institute (Gugaon).

Examination	Students' Performance No. of Students appearing	No. of students getting first class
B.Sc.Part II	40	30
B.Sc.PartIII	39	25
M.Sc. in Applied Economics Part I	27	Classes are not awarded in semester system of PU
M.Sc in Applied Economics Part II (C.U. Autonomous Syllabus)	25	24

The students of the Department have also excelled in extra-curricular activities. The performance of our students in the Confluence 2012 at Saint Xavier's College, Kolkata, has been very good and was runners up of the event.

Students of the economics department have actively helped to organize the Derozio Memorial Debate for the year 2012. Akshay Govind of the 3rd year Economics (Major) was a member of the Executive Committee for the debate.

### Seminars/Workshops Organized by the Department

The Centre for Economic Studies, Department of Economics, organised the fifth Professor Dipak Banerjee Memorial Annual Lecture. *Nobel Laureate Professor Joseph Stiglitz* was invited for this purpose. He gave a lecture on 12 January 2012 before a packed audience.

<b>1. Workshop on 'Time Series Econometrics' (3<sup>rd</sup> to 5<sup>th</sup> September; 11<sup>th</sup>, 14<sup>th</sup>, 18<sup>th</sup> and 21<sup>st</sup> September, 2012)</b>		
<i>Name of the speaker</i>	<i>Institutional Address</i>	<i>Topic</i>
Diganta Mukherjee	Associate Professor, Sampling and Official Statistics Department, ISI, Kolkata	Models with Trends
Nityananda Sarkar.	Professor, Economic Research Unit, ISI, Kolkata	Modeling Volatility; Introduction to VAR Analysis – Estimation and Identification - Granger Causality-Co-integration and Error Correction Models
<b>2. Seminar on 'Economic Theory and Policy: Multiple Facets' (26-28 September, 2012)</b>		
<i>Name of the speaker</i>	<i>Institutional Address</i>	<i>Topic</i>
Mihir Kanti Rakshit	Director, Investment, Information and Credit Rating Agency	Approaches to Macroeconomic Theory
Soumyen Sikdar	Professor, Indian Institute of Management Calcutta	Static Optimization Methods
Amitava Bose	Professor, Indian Institute of Management Calcutta	Endogenous Growth Models
Anup Kumar Sinha	Professor, Indian Institute of Management Calcutta	Some lessons for economic policy-making in the post-financial crisis world
Arijit Sen	Professor, Indian Institute of Management Calcutta	Predicting Strategic Behaviour: Strengths and Weaknesses of Nash Equilibrium
<b>3. Workshop on 'Cluster Analysis' (11<sup>th</sup> - 12<sup>th</sup> October, 2012)</b>		
<i>Name of the speaker</i>	<i>Institutional Address</i>	<i>Topic</i>
Diganta Mukherjee	Associate Professor, Sampling and Official Statistics Department, ISI, Kolkata	Cluster Analysis
<b>4. Two day workshop on Financial Economics (5-6<sup>th</sup> November, 2012)</b>		
<i>Name of the speaker</i>	<i>Institutional Address</i>	<i>Topic</i>
Prof. Amitava Sarkar	ISI, Kolkata	"On Efficient Market Hypothesis"
Mr. Siddhartha Chatterjee	Trust Line academy	Stock Market and Investment
Prof. Basabi Bhattacharyya	Jadavpur University	"Corporate Restructuring"
Dr. Rajlakshmi Mallick	NSHM Business School, Kolkata	'Case studies in Financial Economics'
<b>5. Workshop on 'Applied Econometrics with STATA' (29th November)</b>		
<i>Name of the speaker</i>	<i>Institutional Address</i>	<i>Topic</i>
Zakir Husain	Associate Professor, Institute of Economic Growth, Delhi	Applied Econometrics with STATA
<b>6. One Day Seminar on "Young Investors awareness programme"</b>		
<i>Name of the speaker</i>	<i>Institutional Address</i>	<i>Topic</i>
Sripriya Senthilkumar	Calcutta Stock Exchange	Investment in Stock market
Chandrakanta Mitra	SEBI	Investment in Stock market

**Other Academic Activities:**

Bikash Kumar Ghosh, UGC-NET completed Teacher fellow, was awarded his Ph.D. degree for his thesis on "Milk Production in West Bengal: The Implications of Cooperatives" on October, 2012 from Calcutta University. He had completed his doctorate under the supervision of **Prof. Deb Narayan Sarkar**.

**Dr. Rajnarayan Gupta** has supervised a Ph.D. dissertation entitled "The Determinants of Agricultural Prices in India Since Liberalisation" by Prasenjit Ghosh which has been submitted in Jadavpur University on 10<sup>th</sup> February, 2012 and the degree will be awarded soon.

Anusua Halder has been awarded her M. Phil degree under the guidance of **Dr. Mousumi Dutta** from Calcutta University in 2012. Title of her dissertation is "Income Elasticity of Medical Care Demand in India: Revisiting Rngel's Law". Antara Dhar is pursuing her M.Phil dissertation on "Work Participation and Health Status of Aged in India - Evidences from NSS data" under the supervision of Dr. Dutta from Calcutta University. Dr. Mousumi Dutta is also guiding **doctoral dissertation** of Mauli Sanyal of New Alipore College [In-patient Services, Socio-Economic-Status and Poverty: Where Does India Stand?], Registered under Economics Department, University of Calcutta (from 2011 to till date) and Damayanti Sen of Bhawanipur Education Society College on Issues related to Mental Health.

Chitrakalpa Sen, Assistant Professor, Auro University, Surat worked under the joint supervision of **Dr. Gagari Chakrabarti** and Prof Amitava Sarkar (visiting scientist, ISI, Kolkata and former director, School of Management and Sciences, WBUT) for his Ph.D. degree and was awarded Ph.D. degree from School of Management and Sciences, WBUT in May 2012. Soumya Saha, Assistant Professor, Narula Institute of Technology enrolled in the Ph.D. programme in the Department of Business Management, University of Calcutta and is working under the supervision of Dr. Gagari Chakrabarti.

Dr. Mousumi Dutta and Dr. Gagari Chakrabarti are working as guest teachers in the Economics Department, University of Calcutta.

**List of Publication****Research Paper:**

- Chakrabarti, G.**, Sarkar, A., and C. Sen. (in press), Volatility in Indian Stock Markets in Recent Years: Transmission from Domestic Sectors, *Finance India*, XXVI(3), 2012.
- Dutta M.**, Husain Z. and Ghosh S. (in press) Ultra-modern contraception re-examined: Cultural dissent, or son preference?" *Asian Population Studies*.
- Dutta M.**, Husain Z. and Mukherjee D. (2012) "Are women SHG members economically more empowered in left-run municipalities?", *Development in Practice*. DOI: 10.1080/09614524.2013.750644.
- Dutta M.**, Husain Z. and Mukherjee D. (2012) "Self Help Groups and empowerment of women – Self-selection, or actual benefits, *Journal of International Development*, DOI: 10.1002/jid.2815. |Impact Factor (IF): 0.878|
- Dutta M.** and Husain Z. (2012) "Do slum dwellers have lower contraceptive prevalence rates? An analysis of current use patterns in Calcutta, India", published online in *Asia Pacific Population Journal*.
- Gupta, R.** (2012), "Factors Affecting Stock Prices : The Linkage between Stock Market and Product Market", *Indian Journal of Finance*, Vol. 6, No. 3.
- Gupta, R.** and Das, I. (in press), "Relationship between Price and Rent in the Real Estate Market and Stability Analysis : A Theoretical Approach", *Indian Economic Review*.
- Gupta, R.**, Ghosh, P. and Malakar, B. (2012), "Fertilizer Prices, Subsidy and Agricultural Prices : The Case of India", *Review of Development and Change*, Vol. XVII, No. 1.
- Gupta, R.** (in press), "Nexus between Commodity Derivative and Spot Market in India : An Application of VAR", *Indian Development Review*.
- Sarker, D.** and Das, D. (2012): 'Theory and Empirics of Economic Inequality influencing Economic Growth: A Study of Major Indian States', *International Business Research, Canadian Center of Science and Education*; Vol. 5, No. 8; 2012, pp.132-146.
- Sengupta, J. and **Sarker, D.** (2012): "'Caste and religious diversity on formation of social capital: A Field Survey in India and Measurement Issues", *Equality, Diversity and Inclusion: An International Journal*, Emerald Group Publishing, Vol. 31, Issue 2, pp.158-175 .
- Sarker, D.** and Ghose, B. (2012): Economic Indicators of Primary Milk Producers' Cooperative Societies: Evidence from West Bengal", *International Journal of Sustainable Economies Management(IJSEM)*, An Official Publication of the Association, Romania(econ paper), Vol. I, No3, pp.1-19.
- Sarker, D.** (2012): 'Crimes and Public Policing: Evidence from India', *Journal of Social Welfare and Management*,

**Sarker, D.** and Ghose, B.(2012):' Cost-Benefit Analysis and Major Constraints of Cashew Cultivation: A Study of Marginal Farms in West Bengal, *International Journal of Accounting, Management and Economy Scholars*, Print ISSN: 2227- 409x, Issued by ISSN International Center, Cabell Publishing .Inc. Vol .1 , No. 2, pp173-184.

**Sarker,D.** (2012):"Direct Cash Subsidy to BPL Families in India: Critical Issues", *World Economics, Journal of Current Economic Analysis and Policy*. Oxford(forthcoming, June, 2012).

**Sarker,D.** and Ghosh,B. (2012): 'How does Primary Dairy Cooperative Perform? A Study of Physical and Financial Performance Variables in West Bengal State in India", *Iranian Journal of Applied Animal Science (IJAS)*,3(1),(forthcoming).

**Sarker, D.** and Chakravorty, S.(2012): "Indicators and Impact of Empowerment: Evidence from Flower Trading Women in West Bengal", Sir Arther Lewis Institute of Social and Economic Studies, Kingston

**Sarker,D.** (in press):"Rajiv Gandhi Grameen Vidyutikaran Yojana: Poor Performance in Attaining Rural Electricity Programme in India", *World Economics, Journal of Current Economic Analysis and Policy*, Oxford.

#### **Paper in Edited Book:**

**Chakrabarti, G.** Sarkar, A., and C. Sen. (In press), Volatility, Long Memory and Chaos: A Discussion on some "Stylized Facts" in Financial Markets with a focus on High Frequency Data. In Banerjee, S. and Chakrabarti, A. (Editors) *Development and Sustainability: India in a Global Perspective*. Springer.

**Dutta M.** and Husain Z. (In press), Nabadiganta—A new horizon? Patriarchy, globalization and women's agency in the IT sector. In Banerjee, S. and Chakrabarti, A. (Editors) *Development and sustainability: India in a global perspective*, Springer (India) Pvt. Ltd.

#### **Paper in Special Publication:**

Is health wealth? A panel data analysis? (2012) Munich RePEC, Germany, Paper No. 39953. <http://mpra.ub.uni-muenchen.de/39953>.

Does health insurance ensure equitable health outcomes? Analyzing use of hospital services in urban India. (2012) Munich RePEC, Germany, Paper No. 40055. <http://mpra.ub.uni-muenchen.de/40055>.

#### **Book:**

**Chakrabarti, G.** and Sen, C. (2012) *Anatomy of Global Stock Market Crashes*, Springer, 72 pp.

**Chakrabarti, G.** (2012) *Walking the Road of New Economy; Is India Mature Enough?*, LAP Lambert Academic Publishing, Germany, 92 pp.

**Chakrabarti, G.** and Sen, C. (In press) *Optimal Trading Rule in India*, Springer.

**Dutta M.** and Husain Z. (In press) *Women workers in Kolkata's IT sector: Satisficing work and household*, Springer (India) Pvt. Ltd.

#### **Seminars attended**

1. **Gagari Chakrabarti** was invited as Resource Person in the Workshop on Market Structure and Development organized by Department of Economics, Bethune College, January 9-12, 2012
2. **Mousumi Dutta** was invited as Resource Person to deliver a lecture on "Panel Data Regression – Theory and Applications" in Workshop on Panel Data organized by the Economics Department, University of Calcutta, Kolkata, 18 -19 January, 2012.
3. **Mousumi Dutta** presented paper on "Use of Hospital Services, Socio-Economic Status and Compliances: Evidence from National Sample Survey Data", in UGC sponsored National Level Seminar organized by Statistics Department of University of Calcutta, 8-9 February, 2012.
4. **Mousumi Dutta** presented paper on "Balancing Work & Household under Globalization: Women in Kolkata's IT Sector", in UGC DRS sponsored National Level Seminar organized by Economics Department of University of Calcutta, 28-29 March, 2012.
5. **Gagari Chakrabarti** presented a paper titled "Exploring Financial Crisis: Exogenous or Endogenous?" in the DRS Sponsored 2-Day Seminar on Revisiting Globalization & Sustainable Development organized by Department of Economics, University of Calcutta, March 28-29, 2012
6. **Mousumi Dutta** presented paper on "Modern contraceptive use by illiterate women in India: Does proximate illiteracy matter?" Presented in European Population Conference on "Gender, Policies and Population", Stockholm University, Sweden, 13-16 June 2012.



7. **Mousumi Dutta** (along co-author) presented paper on "‘Ultramodern contraception’ re-examined: Cultural dissent, or son preference?"; The 2nd APA conference in Bangkok from 26-29 August 2012
8. **Mousumi Dutta** presented paper on "Modern contraceptive use among illiterate women in india: does proximate illiteracy matter?"; The 2nd APA conference in Bangkok from 26-29 August 2012
9. Mousumi Dutta was invited as resource person to deliver a lecture on "Issues in Elementary Econometrics" in the Faculty Improvement Programme organised by Economics Department of Commerce at St. Xavier's College, Kolkata, 6th October 2012.
10. **Mousumi Dutta** presented paper on "Does Health Insurance ensure equitable health outcomes? An analysis of hospital usage in urban India" Annual International Conference on Growth and Development in Indian Statistical Institute, Delhi, 17-19 December 2012.
11. **Gagari Chakrabarti** (along co-author) presented paper on Asymmetric Currency Exposure on Stock Returns at Firm Level around the Financial Crisis of 2007-2008: A case for India" in India Finance Conference organized by IIM, Calcutta, 18-21 December, 2012 (presented by co-author)

**Staff List**

**Teaching (full time)**

Amitava Chatterjee, Head of the Department  
 Debnarayan Sarker, Secretary, CES  
 Dehabrata Lahiri  
 Rajnarayan Gupta  
 Mousumi Dutta  
 Mahuya Chakrabarti  
 Gagari Chakrabarti  
 Indrani Nag Chaudhury  
 Pravesh Tamang

**Non-Teaching**

Subrata Kumar Das  
 Rita Das  
 Imam Rasul  
 Balmiki Prasad  
 Sankar Hela  
 Putul Chattapadhyay

**Guest Teachers**

Ranjanendra Narayan Nag, Associate Professor, St. Xavier's College  
 Kumariit Mandal, Associate Professor, Economics Department, Calcutta University  
 Dehabrata Mandal, (retired) Assistant Proffesor (Selection Grade), Presidency College  
 Pulak Chandra Majumdar, (retired) Assistant Professor of Bhawanipore Education Society College.

**Library**

Librarian, CES and EPL: Vacant

Project Title	Principal Investigator	Amount (Rs.)	Year	Source
Development of the Training of Teachers Unit, West Bengal	Prof. M. M. Das	1,00,00,000	2011	Govt. of West Bengal

## Department of Geography

### News from the Department :

The Department started functioning since 1949 – 50 academic session with Prof. Dr. N. R. Kar (Head), Dr. A. B. Chatterjee and Dr. S. P. Dasgupta, R. K. Basu (Demonstrator), G. C. Roy (Draftsman) and Md. Ramzan Ali (Bearer). Initially, intermediate, pass and honours courses were introduced with part - PG facilities. Seminar Library was set up in the late 1950s, which contains about 2000 titles and back-volumes of several national and international journals. The Geographical Institute, a society of the ex-students was formed in 1970, which organizes seminar lectures, classroom debates, PG students' seminar, inter-college geo-quiz, map drawing contest, field photograph exhibition, and annual reunion of its members. It also arranges short field trips, brings out wall magazine, photo corner, and bulletins. It also gives away prizes to the toppers in examinations. Full-fledged independent P.G teaching began in 2001 and subsequently, academic autonomy was awarded and new syllabus with new vision was introduced in 2004. Under the Unitary University status (2010), semester system with new syllabus was introduced since 2011 – 12 session. The department is well-equipped with learning resources and has a brilliant galaxy of alumni comprising eminent geographers working in India and abroad.

In 2012, the following students qualified various national / state eligibility tests, viz., Sujoy Sadhu, Partha Das (CSIR NET JRF), Chaitanya Dev Saha (UGC NET JRF), Chandrani Banerjee, Somoshree Biswas, Awanti Acharya, Projoto Ganguly, Kaushik Mondal, Kartick Pramanik, Shubobrata Banerjee, Laxmikanta Maji, Hosain Ali (UGC NET), Chaitanya Deb Saha, Rumita Saha, Peu Maity, Soumyajit Halder, Souvik Mridha, Sekhar Mondal (TET, 2012), etc.

The following ex-students joined various academic and non-academic institutions, viz., Priyank Pravin Patel (Asstt. Professor: Aliah University), Abhijit Ghosh (Contractual Faculty: St. Xavier's College, Siliguri), Souvik Karmakar (Contractual Faculty: Shyamaprasad College), Partha Das (Part-time Faculty: Prafulla Chandra College), Alokesh Das (Asstt Teacher: WB Sub-Educational Service, Nabab Bahadur Institution, Murshidabad), Sudeshna Dutta (Asstt Teacher: Vidya Bhavan School), Kaushik Mondal (Allahabad Bank), HIRAK CHOWDHURY (State Bank of Hyderabad), etc. .

In B.Sc Final Examination, 2012 (CU), 10 out of 19 got first class with Nian Paul as the topper. In B.Sc Examinations, 7 out of 20 (1<sup>st</sup> SEM), and 9 out of 20 students (2<sup>nd</sup> SEM) passed with grade points 8 and above. In M.Sc Examinations, 9 out of 26 (1<sup>st</sup> SEM), and 4 out of 26 students (2<sup>nd</sup> SEM) passed with grade points 8 and above. In M.Sc Final Examination, 2012, 15 out of 23 got 1<sup>st</sup> class with Sumana Nayak as the topper.

In 2012, two of our students joined Ph.D. Program abroad, viz., Raktim Ray (University of Wisconsin, Milwaukee, USA), Sharmistha Chatterjee (Kansas State University, USA). Anandini Banerjee, Sriparna Dasgupta and Avinanda Sen joined the 'Advanced Course on Geoinformatics' in Symbiosis, Pune. Some moved to other eminent Indian Universities for M.Sc Course, viz., Shantomoy Guha (Pune University), Nian Pal (JNU), Sayak Kolay, Sutanuka Bhattachaya (Delhi University), and Karabi Das, Anantara Kundu, Saheli Mondal, Rituparna Bhattacharya (Calcutta University).

### Seminars organized by the Department and Visitors to the Department: Nil

### Research Activities of the Department (Final Report submitted in February, 2012)

Title of the Project	Principal & Co-investigator	Funding Agency	Amount (Rs.)	Research Worker
Strategies of Economic Development of the Terai of Darjeeling district, West Bengal.	Prof. M. M. Jana and Prof. Ashis Sarkar	UGC	9,92,400.00	Ms. Suvalaxmi Chatterjee

### Other Academic Activities

Currently, there are 4 Full time (1 UGC SRF, 1 CSIR JRF and 2 UGC JRF) and 15 Part time registered Research

Scholars in the department working on various fields of geography like, geomorphology, flood management, watershed development, landuse studies, EIA studies, industry, tourism, urbanisation, environmental issues, rural development, backward population, and disease ecology.

#### (a) Ph.D Research

Supervisor: Prof. Ashis Sarkar

1. **Priyank Pravin Patel** of Aliah University (*An Exploratory Geomorphological Analysis using Modern Techniques for Sustainable Development of the Dulung River Basin*) (submitted in May 2012: result pending).
2. **Gunadhar Manna**, WBES of Barasat Govt. College (*Habitat and Socio-economic Development of the ST Population of Darjeeling district, West Bengal - a geoenvironmental analysis*) (submitted lately).
3. **Mahua Chatterjee**, WBES of Lady Brabourne College (*Urban Development, Industrial Diversification and Socio-Economic Impact on the Haldia Municipal Area of East Medinipur District, West Bengal*) (to be submitted shortly)
4. **Mun Mun Nandy**, UGC SRF (*Problems and Development Prospects of the Cottage and Small Scale Industries in West Bengal - a case study of selected industries in Bishnupur and Bolpur*).
5. **Debasmita Biswas**, WBES of ABN Sil College (*Dynamics of Urban Sprawl % a comparative analysis of Barasat and Baruipur*).
6. **Abhijit Ghosh**, CSIR SRF (*Assessment of the Performance and Impacts of Small and Medium Irrigation Schemes in Purulia District, West Bengal - an ecosystem approach*).
7. **Anu Rai**, University Scholar, Kalyani University (*A Study on Medical Tourism in and around Kolkata*).

Supervisor: Dr. Nandini Chatterjee

1. **Soma Chatterjee** (*Environmental Issues Related to Mining in Jharia Coal Field Complex of Dhanbad District, Jharkhand*).
2. **Mahua Bardhan** (*Changing Urban Environment and Development Scenario of Planned Towns: A Comparative Study of Bidhan Nagar and Kalyani Municipal Areas*).
3. **Suvradip Halder** (*Problem and Management of Floods in the Middle and Lower Kamla-Balan River Basin, India*)
4. **Sovan Chattopadhyay** (*Evaluation of Land Resource in Relation to Rural Development: A Case Study of Balasore District, Orissa*).
5. **Gouri Sankar Bhunia** (*An Appraisal of Environmental Determinants of the Disease Visceral Leishmaniasis (Kala-azar) using Remote Sensing and GIS: Case Studies of Vaishali and Muzaffarpur Districts, Bihar, India*).

Supervisor: Dr. Sandipan Chakraborty

1. **Sanghamitra Sarkar** (*Changing profile of population and land use and its impact on environment - an appraisal, Southern Sikkim, India*).
2. **Moumita Seth** (*Hydro-Geomorphologic analysis, Restoration and sustainable management of Saraswati river corridor in West Bengal*).
3. **Kathakali Dutta**, CSIR JRF (*Impact of Fluvial Processes on Basin Morphology: an applied geomorphic analysis on land evaluation and restoration, the Diana river basin, Jalpaiguri, West Bengal*).
4. **Rekha Biswas**, UGC JRF (*Determinants of Watershed Development: an approach to physical and socio-economic bases of stream corridor restoration - Neora river, Darjeeling and Jalpaiguri Districts, West Bengal*).
5. **Saumita Ghosh**, Asstt. Prof., Hoogly Women's College (*Land Utilization of Ajay-Mayurakshi Interfluvium in Birbhum District, West Bengal: determinants, evaluation, implication and restoration*).
6. **Sadhika Muarya** (*Economic and Socio-Cultural Impact of Mining: a case study of the Raniganj coal-belt, West Bengal*).
7. **Manjira Adhikari**, UGC JRF (*A Comparative Profile on Perspectives of Development: Patharpratima and Budge Budge II Blocks in South 24 Parganas, West Bengal*).

#### List of Publications

##### Research Paper

- Sarkar, A.** and **Patel, P.P.** (2012): 'Terrain Classification of the Dulung Drainage Basin, e'Traverse. *Indian Journal of Spatial Science*, <http://www.indiansss.org>, EISSN No. 2249 - 4316, Vol - 3, No. 1, Article - 6, pp 1 - 8), Geographical Institute, Kolkata..
- Rai, A.** and **Sarkar, A** (2012): Workplace Culture & Status of Women Construction Labourers: a case study in Kolkata, West Bengal, *Indian Journal of Spatial Science*, <http://www.indiansss.org> EISSN No. 2249 - 4316, Vol - 3, No. 2.

Article – 6, pp 41 – 48), Indian Society of Spatial Science, Kolkata.

**Sarkar, A. (2012):** The Origin and Evolution Geography as an Academic Discipline, *Traverse*, February Issue – 2012, pp41–65, Geographical Institute, Kolkata.

**Sarkar, A. (2012):** Geography as an Academic Discipline, *Autumn Annual*, PCAA, Vol – 41, 2012 – 2013.

**Paper in Edited Volume:**

**Sarkar, A. (2012):** Disaster Management with Special Reference to Flood in West Bengal – issues, policy and plan framework, in *Desai M and Halder S (ed): Coping with Disasters: Mitigation Strategy, Preventive Action and Recovery*, Abhijeet Publications, New Delhi, 2012, pp86–105, ISBN 978-93-80031-70-6.

**Sarkar, A. (2012):** Discrimination of Drainage Basins on the Basis of Composition, Orientation and Morphometric Characteristics – A Case Study of Bihar Mica Belt and Chhotanagpur Gneissic Belt Complex, India. in *Bandyopadhyay, S et al (ed.): Landforms, Processes and Environment Management*, ACB Publications, Kolkata, pp156–171, ISBN 81 – 87500-58-1

**Paper in Special Publication: Nil**

**Books:**

**Sarkar, A. (2012):** Advanced Quantitative Geography, Orient BlackSwan, New Delhi, India (in Press)

**Seminar, Lecture Delivered / Workshop attended as Resource Person by Teachers**

**Prof. Ashis Sarkar**

1. Presented a Paper as Resource Person in the Plenary Session on 'Classification in Geography' in the UGC Sponsored National Conference on 'Recent Researches in Earth System Science' jointly organized by the Department of Geography and Geology, Asutosh College in collaboration with Geological Mining and Metallurgical Society of India, and Geographical Society of India, Kolkata – 700 019, February 10 – 11, 2012.
2. Presented a Paper on 'A Study of Workplace Culture & Status of Women Construction Labourers in the Social Ladder, West Bengal, India' in the National Seminar on 'Demographic Transition and Inclusive Development' organized by IIPS, Mumbai held in the ISI, Kolkata, March 15 – 17, 2012.
3. Delivered a Lecture as Resource Person on "Geostatistical Analysis – nature, foundation and techniques" in the PG Department of Geography (Autonomous), Rastraguru Surendranath College, Barrackpur (Barasat State University) at 11-00 am on April 25, 2012.
4. Delivered a Lecture as Resource Person on "Geographical Data Analysis – techniques and applications" in the PG Department of Geography (Autonomous), Rastraguru Surendranath College, Barrackpur (Barasat State University) at 11-00 am on April 28, 2012.
5. Chaired the Technical Session – I on February 11, 2012 in the UGC Sponsored National Conference on 'Recent Researches in Earth System Science' jointly organized by the Department of Geography and Geology, Asutosh College in collaboration with Geological Mining and Metallurgical Society of India, and Geographical Society of India, Kolkata – 700 019.

**Staff List**

**A. Teaching including Part-time and Guest Lecturers**

*Full-time Teachers*

Prof. Ashis Sarkar  
Sri Alak Ganguly  
Dr. Sandipan Chakraborty  
Dr. Nandini Chatterjee  
Dr. Somdutta Das  
Sm Lila Mahato

Sri Aritra Chakraborty

*Part-time/ Guest Teachers*

Sri Pradip Kumar Mukhopadhyay (retired: WBES)  
Mr. Balen Basu (Geoscientist: OPSIS)

**B. Non – Teaching**

Sri Biren Bandopadhyay  
Sri Pradip Kumar Das  
Sri Kamalesh Mandal  
Mrs. Shila Rani Das (Ghosh)  
Sri Tapan Kumar Bhanja

## Department of Geology

### News from the department

Geology department maintains the rich tradition in teaching at both UG & PG levels and research activities in all leading branches of Geology. In appreciation of the successful completion of the first phase of FIST programme, the DST has sanctioned the second phase FIST with an allocation of Rs. 1.5 Crore. In the second phase of FIST funding the department has strengthened research and PG-teaching infrastructure with a state-of-the-art WDS-XRF.

The UGC-sponsored CAS-programme (Centre for Advanced Studies) Phase I has been completed last year and a peer-team recently reviewed the outcome and expressed satisfaction over the quality of publications and research carried out in the thrust area of "*Precambrian Crustal Evolution & Metallogeny*". Based on the recommendations of the UGC peer-team UGC has recently sanctioned the Second Phase of CAS in 2012. The peers also recommended funding over Rs. 1.4 Crore for five years under this programme.

The department is now well equipped with research level advanced instruments such as SEM-EDS, WDS-XRF, Isodynamic Mineral Separator, NIKON and LEICA-DMPLP petrological microscopes with digital image analysis software, Remotesensing Laboratory with EDRDAS and ARC-INFO RS-GIS softwares and round-the-clock high-speed internet facility.

The department at present runs six-semester undergraduate honours Course under the Presidency University and the last batch of honours degree under Calcutta University. Two postgraduate programmes, one in *Applied Geology* and the other in *Environmental Systems Management* are also offered under the Presidency University. The final results of both undergraduate and postgraduate students in 2012 of this department remained satisfactory. Out of 24 students who graduated in 2012, 22 qualified in First Class with top ranks within Calcutta University. All 23 students who were enrolled in the postgraduate Course of Applied Geology passed with high First Class marks.

The teachers of department have international collaboration with scientists from foreign universities including Trinity College Dublin, University of Johannesburg and Pretoria University, South Africa, Grant Institute of Geology, University of Edinburgh, UK, Yokohama University, Japan, CODES, Australia. Prof. Joydip Mukhopadhyay has been appointed as Visiting Professor at the Department of Geology, University of Johannesburg, South Africa. Prof. H. N. Bhattacharya has been invited to deliver lectures at the University of Pretoria. Industry-Academia interaction is the emerging demand for future prospect of our country. Keeping this in mind department collaborates with a number of mining industries through joint field and workshop programmes.

'Geological Institute', a students' body run by undergraduate and postgraduate students of Geology Department under the supervision of faculty members, organized its AGM on 25th December, 2012 and the 53<sup>rd</sup> volume of the journal 'Bhuidya' was published on that day. After a long time the Department also organized Reunion on the same day.

Currently, fourteen full-time scholars (JRF/SRF) and *eleven* part-time scholars are pursuing PhD programme under the supervision of different faculty members. At present the department has **14 research projects** in the field of geology with a total sanctioned fund of **Rs. 2.5 Crore**. Dr. Piyali Sengupta, Dr. Aditi Mandal and Dr. Shampa Ghosh pursue currently post-doctoral research under DST Women Scientist Research Scheme.

### Seminars held in the Department and visitors to the Department

#### A. 35 th Prof. S. Ray Memorial Lecture:

Speaker	Topic
Dr. Balaram Chattopadhyay, Retired Deputy Director General, Geological Survey of India. Kolkata, on 14th September, 2012	Geochemical Mapping (GCM) of India

**B. Invited Speakers**

Speaker	Topic
Prof. Makoto Arima of Yokohama National University, Japan on 1st May, 2012	"Arc-arc collision in central Japan"

**On-going International Collaboration**

Sl. No.	Investigators	Collaborations	Project	Funding Agency
1.	Prof. Joydip Mukhopadhyay	Visiting Professorship	University of Johannesburg, South Africa	
2.	Prof. Joydip Mukhopadhyay & Dr. Gautam Ghosh	Trinity College, Dublin University, Ireland	Understanding Crustal Evolution of the Early Earth: The Singhbhum Craton	FEMS-TCD, Trinity College, Dublin University, Ireland
3.	Prof. Joydip Mukhopadhyay	Pof. NJ Beukes, University of Johannesburg, South Africa	Geology, Geochronology of BIF-hosted Precambrian Successions of India and South Africa of India	University of Johannesburg
4.	Prof. Joydip Mukhopadhyay	Dr. J. Tait, University of Edinburgh, UK & Dr. U. Zimmermann, University of Stavanger, Norway	Paleomagnetic Pole reconstruction for the Mesoproterozoic carbonate platforms of central India	University of Edinburgh, UK
5.	Prof. H. N. Bhattacharya	University of Pretoria, South Africa	Visiting fellow	University of Pretoria
6.	Prof. H. N. Bhattacharya	Dr. D. R. Nelson, University of Western Sydney, Australia	Geochronology of Granitoids and metavolcanics of the Singhbhum craton	University of Western Sydney, Australia.
7.	Prof. H. N. Bhattacharya	Prof. R. Large, CODES, University of Tasmania, Australia	Base metal Mineralization Modeling	CODES, University of Tasmania,
8.	Dr. Arijit Ray & Dr. D.K. Paul	Prof. G. Sen, Florida International University, Miami, USA	Earliest phase of Deccan Trap activity: A proposed petrologic, geochemical and isotopic investigations into the rock and mantle xenoliths from Kutch, India	DST-NSF Indo-US Collaboration
9.	Dr. Sankar Bose	Japan, JSPS Fellowship	Eastern Ghats Granulite	JSPS

**On-going research Projects:**

Sl. No.	Name of the Principal Investigator	Title of the project	Amount Sanctioned(Rs)	Funding Agency
1	Dr. Harendra nath Bhattacharya, Dr. Abhinaba Ray, Dr. Supratim Pal and Dr. Biplab Bhattacharya	Evolution of the Archean Chitradurga Greenstone Belt, Karnataka, India	38,00,000	Department of science and technology, New Delhi.

Sl. No.	Name of the Principal Investigator	Title of the project	Amount Sanctioned(Rs)	Funding Agency
2	Dr. Joydip Mukhopadhyay, Dr. Gautam Ghosh	Sedimentological Controls On Uranium Mineralization In The QPC-Deposits Of The Southern Part Of The Daitari-Tamka Basin.	19,92,000	BRNS, DAE & AMDER. DAE
3	Dr. Sumit Roy & Dr. Supratim Pal	Structural and tectonic control of Albitite related uranium mineralization and associated metallogeny in Northern Rajasthan	14,06,650	AMD-BRNS -DAE
4	Dr. Nilanjan Dasgupta & Alokesh Chatterjee		6,30,000	SAC-DoS
5	Dr. Alokesh Chatterjee Dr. Asis Bhattacharya	Ground water prospect mapping on 1: 50000 scale for Malda District in West Bengal	75,000	NESAC
6	Dr. Arijit Ray & Piyali Sengupta	Petrological, geochemical and paleomagnetic studies of mafic dykes around Chaibasa, Jharkhand, India: Implication for Meso- to Neo Proterozoic mantle processes in Eastern Indian Shield	15,24,000	DST, Major
7	Dr. Arijit Ray & Dr. Aditi Mandal	Ba anomaly in hornblende gabbro: an answered question in geotectonics. NE Puruliya, West Bengal	22,10,000	DST, Major
8	Dr. Gautam Ghosh (PI), Dr. Joydip Mukhopadhyay (CoPI)	Structural Control of Unconformity-proximal type Uranium Mineralization around Chitrial in the northern part of the Cuddapah basin, Andhra Pradesh:	28,45,500	DAE, BRNS, DAE
9	Dr. Gautam Ghosh (PI), Dr. Joydip Mukhopadhyay (CoPI) & B. Ghosh (CoI)	Structural and stratigraphic analyses of the successions between the Singhbhum Granite and the Singhbhum Shear Zone in the Chakradharpur-Chaibasa-Jagannathpur sector: implications for tectono-stratigraphic evolution of a Precambrian craton-mobile belt boundary:	19,56,000	DST Major
10	Dr. Sankar Bose (PI), Dr. Gautam Ghosh & Dr. Joydip Mukhopadhyay	Mobilization of an Archean craton margin during Proterozoic orogenic event(s) and its implication in crustal evolution: a case study from the Eastern Ghats Mobile Belt - Singhbhum Craton boundary zone around Tamka-Rengali, Orissa.	18,00,000 (approx)	CSIR-Major
11	Dr. D K Paul, Dr. Arijit Ray	Mineralogical and geochemical attributes of the magmatic rocks of island belt, Kutch, Gujrat: Implication on the early Deccan volcanism and nature of subcontinental mantle.	44,00,000	DST-Major

Sl. No.	Name of the Principal Investigator	Title of the project	Amount Sanctioned(Rs)	Funding Agency
12	Dr. D. K. Paul	Geochronological and Geological evolution of crust and its significance on lithospheric processes	4,35,000	Indian National Science Academy
13	Dr. Shampa Ghosh and Prof. Joydip Mukhopadhyay	Provenance Analysis of unclassified siliciclastics in Keonjhar, Singhbhum Craton	19,10,000	
		<b>Total grant</b>	<b>2,43,99,150</b>	

### Participation Seminar/workshop/symposium

- Prof. Joydip Mukhopadhyay delivered lecture on 'Depositional Setting and New Age Constraints of the Bailadila Group, Bastar Craton: implications for the Oldest 'Superior Type' Iron Formation in India and its Economic Potential. National Workshop on "Recent Advances in Geology of Dongargarh-Kotri Belt and Mineral Potential", Gondwana Geological Society & AMD, Nagpur, 21-22 June 2012. (*Invited Speaker*)
- Prof. Joydip Mukhopadhyay delivered lecture on Genesis of BIF-hosted high-grade iron ores: Geochemical fingerprints. National Seminar on "Recent developments and future challenges of Geochemistry and Geophysics: Indian Scenario", Benaras Hindu University (BHU), 22-24 Feb, 2012. (*Invited Speaker*)
- Prof. Joydip Mukhopadhyay delivered lecture on "Sedimentological controls of QPC hosted uranium mineralisation in the Mahagiri quartzite, southern part of Daitari-Tomka basin, Jaipur, Orissa," organized by TPDM OF AMD-BRNS PROJECTS, TSC No.5 20-21 september 2012, AMD, Jamshedpur.
- Dr. Gautam Ghosh delivered lecture on "Structural control of unconformity-proximal type uranium mineralization in the north western part of the Srisailam sub-basin, Andhra Pradesh" organized by TPDM OF AMD-BRNS PROJECTS, TSC No.5 20-21 september 2012, AMD, Jamshedpur.
- Dr. Gautam Ghosh presented papers on "Deformation microstructures and shear fabric development within Singhbhum Granite Batholith near Saraikela, Eastern India and its kinematic Implications" in the three day National Conference on Rock Deformation and Structures (RDS-II) organized by SGTSGI in University of Lucknow from 1st to 3rd October, 2012.
- Prof. H.N. Bhattacharya delivered lecture series for post-graduate students of Geology Department of Kumaun University, Nainital as visiting Professor in March 2012.
- Prof. H.N. Bhattacharya delivered lecture in a UGC sponsored seminar at Hoogly Mohsin College, in december 2012.
- Dr. Kalyan Halder delivered lecture on "Heterochrony in evolution" as resource person for Ph.D. course work at Ballygunge Science College, University of Calcutta.
- Dr. Nilanjan Dasgupta presented papers on "Tectonics of the eastern margin of the Delhi Fold Belt near Srinagar, Ajmer district, Rajasthan" in the three day National Conference on Rock Deformation and Structures (RDS-II) organized by SGTSGI in University of Lucknow from 1st to 3rd October, 2012.

### List of publications

- Aloui, T., Dasgupta, P., and Chaabani, F 2012. Facies Pattern of the Sidi Aich Formation: reconstruction of Barremian paleogeography of Central North Africa. *Journal of African Earth Sciences*. vol.71-72, 18-42. DOI: <http://10.1016/j.jafrearsci.2012.06.004>. (Published by Elsevier Science, Amsterdam, The Netherlands).
- Bhattacharya, H.N.**, and Bhattacharya, B., 2012. Sole marks in storm beds from a glacially-influenced late Paleozoic shallow sea, Talchir Formation, Talchir Basin, India. *Indian Journal of Geosciences*, v. 65, No.3, pp. 175-188.
- Bhattacharya, H.N.**, 2012 and Ghosh, K.K.. Field and petrographic aspects of the iron ore mineralizations of Gandhamardan Hill, Keonjhar, Orissa and their genetic significance. *Journal of the Geological Society of India*, v.79, p. 497-504.
- Chakrabarti, A., and **Bhattacharya, H.N.**, 2012. Early Permian Xiphosurid trackways from India. *Geological Society of India*, vol.80 pp. 129-135.
- Chakrabarti, S.**, and **Bhattacharya, H.N.**, 2012. Inferring the Hydro-Geochemistry of Fluoride Contamination in Bankura District, West Bengal: A Study Report, *Journal of Geological Society of India* (accepted).



- Das, K., Bose, S., Karmakar, S. and Chakraborty, S., 2012. Petrotectonic framework of granulites from northern part of Chilka Lake area, Eastern Ghats Belt, India: Compressional vis-a-vis transpressional tectonics. *Journal of Earth System Sciences*, 121, 1-17.
- Das, K., Tomioka, N., Bose, S. and Ando, J., 2012. Oriented ilmenite needles in garnet of granulites from the Eastern Ghats Belt, India: implications for fluid evolution and cooling history. *Lithos* (in press). doi: <http://dx.doi.org/10.1016/j.lithos.2012.11.005>. (I.F.3.601)
- Dasgupta, S., Bose, S. and Das, K., 2012. Tectonic evolution of the Eastern Ghats Belt. *Precambrian Research* (in press), doi:10.1016/j.precamres.2012.04.005.
- Halder, K. (2012). Cenozoic fossils nautiloids (Cephalopoda) from Kutch, western india. *Palaeoworld*, 21:116-130.
- Mukhopadhyay, J., Ghosh, G., Zimmermann, U., Guha, S., Mukherjee, T., 2012. A 3.51 Ga bimodal volcanics-BIF-ultramafic succession from Singhbhum Craton: implications for Palaeoarchaeon geodynamic processes from the oldest greenstone succession of the Indian subcontinent. *Geological Journal*, doi: 10.1002/gj.1314.
- Mandal, A., Ray, A., Debnath, M., and Pal, S. 2012. Petrology, geochemistry of hornblende gabbro and associated dolerite dyke of Paharpur, Puruliya, West Bengal: implication for petrogenetic process and tectonic setting. *Journal of Earth System Science*, vol.121, No. 3, pp.793-812
- Roy, A.B., and Bhattacharya, H.N., 2012. Tectonostratigraphic and geochronologic reappraisal constraining the growth and evolution of Singhbhum Archean Craton, Eastern India. *Jour of the Geological Society of India*, v. 80, pp.455-469.
- Sarbajna, C., Bose, S., Rajagopalan, V., Das, K., Som, A., Paul A.K., Shivkumar, K., Umamaheswar, K. and Chaki, A.K., 2012. U-Cr-rich high Mg-Al granulites from Karimnagar Granulite Belt, India: implications for Neoproterozoic events in the India-east Antarctica sector. *Mineralogy and Petrology* (in press) doi: 10.1007/s00710-012-0242-6. (I.F. 1.278)
- Sengupta P. and Ray, A. Petrology and geochemistry of Newer dolerite of Chaibasa, Jharkhand: implication for mantle metasomatism and magma generation process. *Geochemical Journal* (accepted in Press, to be published in Dec2012 in vol. no. 46).

#### Departmental Staff List:

##### A. Teaching

1. Prof. Joydip Mukhopadhyay, Head of the Department
2. Prof. Harendranath Bhattacharyya
3. Dr Alokesh Chatterjee, Associate Professor
4. Dr. Gautam Ghosh, Associate Professor
5. Dr. Arijit Ray Associate Professor
6. Sri Arunabha Basu, Associate Professor
7. Sri Prabir Dasgupta, Associate Professor
8. Dr Sankar Bose, Associate Professor
9. Dr. Saradindu Chakraborty, Associate Professor
10. Dr. Nilanjan Dasgupta, Asst. Professor
11. Dr. Supratim Pal, Asst. Professor
12. Dr. Kalyan Halder, Asst. Professor
13. Dr Gautam Deb, Asst. Prof.

##### B. Research Associate: Dr. S. Palchoudhuri

##### C. Post-doctoral Fellow/Research Scientist:

1. Dr. Aditi Mondal,
2. Dr. Piyali Sengupta,
3. Shampa Ghosh

##### Emeritus Scientists/Professors

1. Dr. D. K. Paul, FNA
2. Dr. Sumit Roy
3. Dr. S. K. Halder
4. Dr. Ashis Bhattacharya
5. Prof. A. B. Roy, FNA
6. Prof. Asru K Chaudhuri

##### B. Non-Teaching:

1. Sri Sukumar Samanta
2. Sri Pratul Chakraborty
3. Sri Chitta Chatterjee
4. Sri Haradhan Saha
5. Sri Rammurad Rangua
6. Sri Tarak Pradhan
7. Sri Pranab Mondal

**DEPARTMENT OF GEOLOGY**  
**M. Sc. COURSE IN ENVIRONMENTAL SYSTEM MANAGEMENT**

**News from the Department :** The students of First and Second Year made a visit to the Central Chemical Laboratory of the Geological Survey of India (Central Head Quarters) at the Kyd Street, Kolkata on 20<sup>th</sup> March, 2012 under the guidance of Prof. Biman Ranjan Das and Prof. Swapan Kumar Sarkar to see the operation and performance of the sophisticated instruments that are in use there.

The outgoing students of this department have cleared NET, GATE and CAT and joined various research organizations in India and abroad in pursuit of higher research such as Jadavpur University, Bengal Engineering & Science University (BESU) at Sibpur, Forest Research Institute at Dehradun, Indian Council of Medical Research (ICMR), Institute of Environmental Studies and Wetland Management (IESWM), and National Environmental Engineering Research Institute (NEERI) at Kolkata, Central Pollution Control Board (CPCB) at Kolkata, Indian Institute of Science (IIS) at Bengaluru, Indian School of Mines (ISM) at Dhanbad, University of Otago, New Zealand, etc. or pursuing MBA from Indian Institute of Management (IIM), Joka, Institute of Engineering & Management (IEM), Salt Lake. Some students got inducted in the environmental divisions of industries (like Pfizer Company, Voyants Solutions Private Limited, Express Weather Advisory Services Private Limited (at Rajarhat), Jacobs-Consulting Engineering Services Private Limited, Cognizant Technology Solutions (CTS) Private Limited (at Salt Lake Sector V), Pfizer India Private Limited, India Foils Limited, Fresenius Kabi Oncology Ltd. – a German Multinational at their API Plant at Kalyani, Nadia involved in production of cancer drugs, etc.), or serving as analytical chemists in environmental quality control laboratories (like J. B. Envirotech S. R. Laboratories, etc.), NGOs (like Centre for Groundwater Studies, Kolkata, Tagore Society of Rural Development Canning) and corporate sector like Development Consultants Limited (DCL), Dabur India, Emami Paper Mills, Indian Chamber of Commerce (ICC), to name a few. Many past students have also opted for public sector undertakings (like the Uranium Corporation of India, Food Corporation of India, Kolkata Environmental Improvement Project – KEIP under Calcutta Municipal Corporation, Sikkim Dairy Development Board), banking sector (World Bank Environment Division, Reserve Bank of India, State Bank of India, Bank of Baroda, United Bank of India, Allahabad Bank, and other nationalized banks) and the insurance sector (Life Insurance Corporation of India). Many students have opted for administrative service such as Indian Administrative & Allied Service (I.A.A.S.), West Bengal Civil Service (W.B.C.S.) and West Bengal Police Service (W.B.P.S.) where their knowledge on environment finds wide applicability.

Some of our past students have also joined as teacher in West Bengal School Service through West Bengal School Service Commission (WBSSC), missionary and public schools and colleges. Some students have also cleared the All India CAT examination and opted for MBA program in good management institutes across India.

**The Analytical Laboratory of Environmental Systems Management (ESM) has been selected by the Kolkata Municipal Corporation (KMC) as one of the nodal laboratories for detection of Arsenic in groundwater of different parts of Kolkata city.**

**Research Activities of the Department :**

Title of the Project	Name of Principal & Co-Investigators	Funding Agency	Amount (Rs.)•	Research Scholar
I. Assessing the Role of Geological Controls on Occurrence of Fluoride in Groundwater of Bankura district, West Bengal	<ul style="list-style-type: none"> <li>• Dr. H. N. Bhattacharya, Principal Investigator</li> <li>• Dr. Arunabha Majumder, Co-Principal Investigator</li> <li>• Dr. S. Chakrabarti, Co-Project Investigator</li> </ul>	Fluoride Task Force and Public Health Engineering Directorate, Govt. of West Bengal	5,80,000/=	2 Nos.
I. Hydrogeological Study of Sub-Surface Water Flow / Storage Characteristics for Creation of Sustainable Source on Rain-Fed Kumari River for Water Supply to Semi-Arid and Fluoride Affected Blocks of Purulia, West Bengal	<ul style="list-style-type: none"> <li>• Dr. H. N. Bhattacharya, Principal Investigator</li> <li>• Dr. S. Chakrabarti, Co-Principal Investigator</li> <li>• Dr. Arunabha Majumder, Project Adviser</li> </ul>	Public Health Engineering Department (PHED), Govt. of West Bengal	32,40,000/=	2 Nos.

Title of the Project	Name of Principal & Co-Investigators	Funding Agency	Amount (Rs.)•	Research Scholar
3. "Design Consideration and Field Performance Validation of High Arsenic Removal Water Filter Packed with Lab-Bench Developed Materials : A Lab-to-Field Technology Transfer Programme"	<ul style="list-style-type: none"> <li>• Dr. S. Chakrabarti, Principal Investigator</li> <li>• Dr. U. C. Ghosh, Co-Principal Investigator</li> </ul>	Department of Science & Technology, Government of India, New Delhi.	19,46,600 (for 2 Years initially)	1 No.
4. "An Epistemology of Fluoride in the Fluvio-Coastal Sediments : A Potential Source for Groundwater Pollution in Andhra Pradesh Coast, South India	<ul style="list-style-type: none"> <li>• Dr. S. Chakrabarti, Principal Investigator</li> <li>• Dr. H. N. Bhattacharya, Co-Principal Investigator</li> </ul>	Ministry of Earth Sciences (MoES), New Delhi	33,77,330 (sanctioned)	2 Nos.
5. "Removal of Fluoride from Contaminated Groundwater Using Bimetal Oxide Nanoparticles : A Lab to Field Nanotechnology Transfer Programme"	<ul style="list-style-type: none"> <li>• Dr. U. C. Ghosh, Principal Investigator</li> <li>• Dr. S. Chakrabarti, Co-Principal Investigator</li> </ul>	Fluoride Task Force, Govt. of West Bengal through PHED, Govt. of West Bengal.	15,00,000 (sanctioned)	2 Nos.

#### List of Publications by the Teachers of the Department :

- Sen, R. and **Chakrabarti, S.** (2012). The Arsenic Quagmire in Bengal Aquifers –The Missing Links. **Current Science**, V. 103 (8), pp. 881-882.
- Sen, R. and **Chakrabarti, S.** (2012). Nanoscience Pursuits in Mineral Particles and their Environmental Implications, **Internat. Jour. Env. Sc.**, 2(3), 2295-2311.
- Chakrabarti, S.**, Majumder, A. and Bhattacharya, H. N. (2012). Fluoride Contamination in the Groundwater of Bankura District, West Bengal : A Hydrogeo-Environmental Appraisal; **Jour. Ind. Water Works Assoc.**, XXXIV(2), 134-142.
- Chakrabarti, S.** and Bhattacharya, H. N. (2012). Inferring the Hydro-Geochemistry of Fluoride Contamination in Bankura District, West Bengal : A Study. **Jour. Geo. Soc. India** (in press).
- Roy, A., **Chakrabarti, S.** and Sen, R. (2012). Self-organized Criticality and the Himalayan Earthquakes (October 2011) with Comparative Exemplars. **Current Science** (in press).
- Chakravorty, S. and **Chakrabarti, S.** (2012). Quality Enhancement of Hyperspectral Image Data through Atmospheric Correction: A Case Study of Henry and Lothian Islands of Sunderban Biosphere Reserve, West Bengal, **Internat. Jour. Applied Bio-engg.** (accepted).
- Chakrabarti, S.**, Dutta, B. K. and Majumder, A. (2012). Efficiency of Removal of Arsenic, Iron and Phosphate in presence of High Bicarbonate in Groundwater : A Laboratory Scale Performance Study using Activated Alumina Treatment Column. **J. Ind. Public Health Engg.** (accepted).

#### Seminars, Lectures Attended by Teachers of ESM course

- i) **Dr. H. N. Bhattacharya**, Professor & Head of the Department of Applied Geology & Environmental System Management, Dr. S. Chakrabarti (Associate Professor & Co-ordinator of M.Sc. programme in Department of Applied Geology & Environmental System Management), Dr. Arunabha Majumder (Visiting Faculty, Department of Applied Geology & Environmental System Management) were invited to participate in the 3-day International Conference on Water Quality with special reference to Arsenic being organized by the Public Health Engineering Department (PHED), Govt. of West Bengal in collaboration with the Ministry of Drinking Water and Sanitation at Hotel Hyatt Regency, Kolkata - 700 098 : 18<sup>th</sup> - 20<sup>th</sup> February, 2012.

The Water Quality Analysis Laboratory of ESM department was documented on 27.1.2012 for a tele-film on "Arsenic Pollution" for telecast in the Discovery Channel for telecast on arsenic analyses being conducted in the ESM laboratory on arsenic contaminated groundwaters of Habra region,

**North 24-Parganas.**

**Dr. S. Chakrabarti** (Associate Professor, Department of Applied Geology & Environmental System Management) and Dr. D. K. Sinha (Visiting Faculty, Department of Applied Geology & Environmental System Management) were invited as Special Delegates by the Indian Chamber of Commerce to participate in the 2-day "Fifth edition of Annual Environment and Energy Conclave 2012" on "Water Forum – Conserving Energy. Preserving Environment. Towards Tomorrow" organized by the Bengal Chamber of Commerce and Industry Kolkata at Hotel ITC Hotel – The Sonar, Kolkata : 31<sup>st</sup> and 1<sup>st</sup> September, 2012.

**Seminars, Lectures Attended by Teachers and Students of ESM course**

- i) Sri Ipshta Ghosh, Ms. Susnata Ray and Ms. Papiya Guha, Research Scholars of this department 1-day Workshop Series – 2012 organized by National Remote Sensing Centre, ISRO, Hyderabad and Department of Environmental Science, University of Calcutta to be held at the auditorium of Meghnad Saha Auditorium, Rajabazar Science College, University of Calcutta, Kolkata : 02<sup>nd</sup> February, 2012.
- ii) M.Sc. 3<sup>rd</sup> Semester Students of ESM curriculum were invited as Special Delegate by the Indian Chamber of Commerce to participate in the 2-day "Fifth edition of Annual Environment and Energy Conclave 2012" on "Water Forum – Conserving Energy. Preserving Environment. Towards Tomorrow" organized by the Bengal Chamber of Commerce and Industry Kolkata at the ITC Hotel – The Sonar, Kolkata 700046 : 31<sup>st</sup> and 1<sup>st</sup> September, 2012.
- iii) M.Sc. 3<sup>rd</sup> Semester students participated in the seminar on "Waste Management : Recycling and Waste to Energy" at the Department of Civil Engineering, Jadavpur University, Kolkata on 25<sup>th</sup> August, 2012.
- iv) M.Sc. 3<sup>rd</sup> Semester students participated in the National Symposium on 'Technology for Societal Cause' jointly organized by 'Bengal Engineering & Science University' Shibpur (BESUS) and 'BEC Alumni 1978' at the Alumni Seminar Hall, BESUS, Howrah on 14<sup>th</sup> September' 2012.
- v) M.Sc. 1<sup>st</sup> Semester students participated in the talk (followed by Students' interaction) on "Climate Change and Environmental Law" by Prof. Robert Verchick (Loyola University, New Orleans) organized by the School of Oceanographic Studies (SoOS) at the K. P. Basu Memorial Hall of Jadavpur University on 05<sup>th</sup> December, 2012

**Field Training by Teachers and Students of ESM course**

- i) M.Sc. First year (ESM) students were taken for a 3-day field training session on the coastal stretches of Sagardwip, South 24-Parganas, West Bengal to have a holistic understanding of different issues related to marine coastal environment of Bay of Bengal such as coastal geomorphology, near-shore water and sediment quality assessment, operation of beach processes and inspection of land-sea interactive features under the guidance of Sri B. K. Saha (Former Senior Deputy Director General - Marine, Geological Survey of India, Kolkata & Guest Professor of Environmental Systems Management, Presidency University as a part of the ongoing Major Research Programme of the Ministry of Earth Sciences (MOES) Govt. of India : 22<sup>nd</sup> – 24<sup>th</sup> March, 2012.

**Faculty List :**

The following is the teaching faculty of ESM Course:

Head of the Department : Dr. Joydip Mukhopadhyay, Professor, Department of Geology, Presidency University, Kolkata.  
 Course co-ordinator : Dr. S. Chakrabarti, Associate Professor, Department of Geology, Presidency University, Kolkata.

**List of Distinguished Guest Faculty members (in addition to faculty members of different departments of Presidency University)**

1. Prof. Dilip Kumar Sinha – Former Vice Chancellor, Viswa Bharati University, Santiniketan
2. Prof. Anandadeb Mukherjee – Former Vice Chancellor, Vidyasagar University, West Midnapore.
3. Dr. Arunabha Majumder – Former Director, All India Institute of Hygiene & Public Health, Kolkata & Member, All India Council of Technical Education, Govt. of India.
4. Dr. Dalim Kumar Paul – Former Director, Indian School of Mines, Dhanbad & currently Emeritus Scientist, Department of Applied Geology, Presidency University, Kolkata.
5. Dr. Debdut Ghosh Thakur – Chief Reporter, Ananda Bazar Patrika, Kolkata.

6. Dr. Pranabes Sanyal, IFS – Former Principal Chief Conservator of Forests, West Bengal & currently Emeritus Professor, School of Oceanographic Studies, Jadavpur University.
7. Dr. Ranen Sen – Former General Manager, Hindustan Copper Limited and Former Professor, Indian Institute of Management, Calcutta (IIM-C) & Former Professor in Metallurgical Engineering, Colorado School of Mines, Golden, USA and Former Professor in Metallurgical Engineering, Western Australia School of Mines, Kalgoorlie, Australia.
8. Dr. S. K. Haldar – Former Chief Manager (Geology), Hindustan Zinc Limited, Udaipur & currently Emeritus Scientist, Department of Applied Geology, Presidency University, Kolkata.
9. Dr. Sudipta Lahiri – Former Deputy Director General (North-Eastern Region), Geological Survey of India, Shillong.
10. Mr Bijan Saha - Former Senior Deputy Director General (Marine), Geological Survey of India, Kolkata & Adjunct Professor, School of Oceanographic Studies, Jadavpur University.
11. Dr. Asis Bhattacharya – Former Mission Director, National Remote Sensing Centre, Hyderabad & currently Emeritus Scientist, Department of Applied Geology, Presidency University, Kolkata.
12. Dr. S. Mukherjee – Technical Adviser (Environment), M N Dastur & Company (P) Ltd., Kolkata.
13. Dr. S. P. Sinha Ray – Former Director, Central Ground Water Board (Eastern Region), Kolkata and Former Member, Central Water Authority, Govt. of India and currently Chairman, Fluoride Task Force, Govt. of West Bengal.
14. Dr. Gargi Chatterjee – Former Chemis, Centre for Study of Man & Environment and NABL Quality Manager S R Laboratories, Kolkata.
15. Prof. Swapan Sarkar – Former Professor of Public Health Engineering and Sanitation Chemistry, All India Institute of Hygiene & Public Health, Kolkata, Govt. of India.
16. Prof. Biman Ranjan Das – Former Director (Geochemical Division), Geological Survey of India, Kolkata
17. Sri A. Sen – Manager, Occupational Health & Safety, Damodar Valley Corporation, Govt. of India.
18. Dr. Uday Chand Ghosh – Former Associate Professor, Department of Chemistry, Presidency University, Kolkata.

## Department of Mathematics

### News from the Department

This department continues to be in the thick of the teething problems it faced last year as an infant PG-teaching department suffering from serious infrastructural insufficiency if not downright administrative neglect.

Nothing has changed in the department – six full-time teachers and an equal number of Guest faculty members to teach the various courses, both UG and PG, and of both Presidency and Calcutta University; only four dedicated classrooms; one computer laboratory one-third in size of what required; one-member non-teaching staff; and (perhaps most importantly!) no senior professor of Presidency University's own service cadre to be at the helm.

As a result of the above neither the PG admissions nor the PG teaching have been up to the mark. Nothing innovative could be tried. For example, the PG 1st year class (2012-13) having 20 students should have been divided into smaller groups for interactive and / or remedial teaching. This was felt necessary for reasons of quality. But it could not be tried. Similarly the idea of student seminars and special classes to help students for their NET/SET examinations had to be dropped.

The semester system for both UG and PG mathematics teaching under Presidency's own curriculum has not proved satisfactory too. This year after one full academic session of teaching we noticed many inaccuracies in the curriculum which was found too lengthy, or too insufficiently-worded, or somewhat queer in the choice of applications, or inappropriately itemized in various patches. Hence a thorough revision of the UG courses (both Major and ED) needs to be undertaken. And as for the PG course, we feel other more serious deficiencies need to be addressed on higher priority before a thorough syllabus revision from a fresh perspective in keeping with the general vision of the university is attempted.

The current batch of Honours Part II students ( Calcutta University ) have been suffering without formal classes; and the department feels helpless. In the past this department has been particularly sensitive to the needs of educationally disadvantaged students. Hence this insufficiency particularly rankles

The attendance in the ED classes and the size thereof has been another area of concern. We strongly feel that the ED courses (of 100 and 300 marks) should be offered only after some process of counselling by the authority.

Our last head of the department Prof D. Chatteraj retired from active service on 31-01-2012. He continues to serve the department as a guest faculty member. Dr Gour Gopal Ray ( WBES ), teaching in the Department since the days of the erstwhile Presidency College. has been selected as a teacher in Presidency University. This would give Dr Ray an opportunity to partake in the shaping of this Department to a full-fledged centre of Presidency University for Higher Mathematics teaching and research.

A total of 69 candidates from the department (30 in B. Sc. Part III, 35 in B. Sc Part II and 4 in B. Sc. Part I) appeared for the Calcutta University Examination this year. Of these 37 (12 in Part III, 23 in Part II and 2 in Part I) were placed in the First Class. Two students joined TIFR (Bangalore) for the integrated Ph D Programme, one joined IIT (Guwahati) for the M. Sc course and most others joined different universities of the country. Arijit Ganguly was selected for the Ph D programme of TIFR, Mumbai directly after a B. Sc course. 17 students participated in the "Madhaba Mathematics Competition (2012)" sponsored by National Board for Higher Mathematics. Of these three students received all India rank, namely rank 2, rank 5 and rank 19.

### Academic Activities of the teachers of the department:

#### List of Publication:

S. Pathak, and A. Maiti, Pest control using virus as control agent: a mathematical model, *Nonlinear Analysis: Modelling and Control*, 17(1) (2012), 67-69.

#### Lectures delivered / workshop attended:

Jayanta Sen

Attended *Pedagogical Training for Mathematics Teachers (PTMT)* – 2012 during April 5-10, 2012 at Bhaskaracharya Pratishthana, Pune, a project of National Board for Higher Mathematics, India.

Lectures delivered and chaired a session at the Annual Meet on Logic and its Applications celebrating the Alan Turing Year during September 29, 30 and October 1, 2012, Kolkata organized by Calcutta Logic Circle in collaboration with School of Cognitive Science, Jadavpur University and Indian Institute of Bio-Social Research and Development (IBRAD).

**A. Teaching staff.**

Syamal Kumar Basak ( Head )  
Binod Kumar Berry  
Subhasundar Bandyopadhyay  
Gour Gopal Ray  
Jayanta Sen  
Alakesh Maity

**B. Non-Teaching staff**

Netai Chandra Dey

**Guest Faculty**

Dilip Kumar Sinha (Guest Faculty) : Former Rashbehari Ghosh Professor, Calcutta University and Vice-Chancellor, Visva-Bharati.  
Debidas Chattoraj (Guest Faculty) : Retired from WBSES  
Pranab Kanti Mitra (Guest Faculty) : Retired from WBES  
Sanjib Chakraborty (Guest Faculty) : Retired from WBES  
Amar Chandra Patra (Guest Faculty) : Retired from WBES  
Sunil Chandra Sarkar (Guest Faculty) : Faculty, Vidyasagar Evening College, Kolkata  
Gopinath Laha (Guest Faculty) : Faculty, Gurudas College, Kolkata  
Himangshu Shekher Guha (Guest Faculty) : WBES

## Department of Physics

### News from the Department

The Department of Physics, Presidency University, has a rich tradition and history. It is currently in a state of transition, its primary activities being transformed from teaching to a combination of teaching (at both undergraduate and postgraduate levels) and world-class research. A complete re-organisation of teaching curriculum, laboratory facilities, building infrastructure and human resources has been initiated. Our PhD programme is about to begin.

During the past year, the department welcomed the new Head, Professor Somak Raychaudhuri, who joined the institution from the University of Birmingham. UK. In the new process of recruitment, four members of the erstwhile faculty (Muktish Acharyya, Gour Bhattacharya, Arabinda Nayak and Barun RayChaudhuri) have been appointed to the Presidency University faculty. Debasish Datta and Rabindranath Gayen have joined the faculty, leaving their previous posts from elsewhere in Kolkata. Sukanta De has joined us, from Trinity College, Dublin, as the University's first DST Ramanujan Fellow.

Both theoretical and experimental research is now carried out in the department, in the fields of Statistical physics, Astrophysics, High energy physics, Quantum mechanics, Remote sensing and in experimental materials science, involving nanostructured materials, nanometal clusters, organic-inorganic hybrid composites, Graphene based composites, magnetic materials etc.

The pioneering work of Professor Jagadish Chandra Bose FRS in generating and receiving microwaves, during his tenure as a member of faculty in this department, was recognized by the award of a Landmark plaque by the Institution of Electrical and Electronic Engineers (IEEE), the premier organisation of the profession. This award was given to the University, by the President Elect of the IEEE, Prof. Peter Staeker, at an event in September 2012, where the contribution and current relevance of Professor Bose's work was discussed in a series of talks.

Professor Ashoke Sen FRS, an alumnus of the department and a member of the Presidency University Mentor Group, was awarded an inaugural Fundamental Physics Prize, by the Milner Foundation, this year. We are very proud of this achievement, and joined forces with the Vice-Chancellor and the rest of the University in felicitating Professor Sen, and in arranging for a public talk by him. Our students and staff played an important role in the organisation of this event. These two events is reported in detail elsewhere in this volume.

Plans for renovating the Baker laboratory, which is the home of the Physics department, are taking shape. Named after Edward Norman Baker, the Lieutenant Governor of the Bengal Presidency, the Baker lab was inaugurated on 20 January 1913. As we prepare to celebrate the centenary of this building, which also houses the Departments of Biological Sciences and Geology, we have extensive plans to rejuvenate the building in various phases. Mr P. R. Das, the renowned heritage architect, has been entrusted with the design of the renovation. There will be modern research and teaching labs, teaching spaces and offices for faculty and research students and staff. Only a small fraction of the money needed for this project has been raised so far.

The Department of Physics, in order to make cutting-edge research accessible to its students, has started two weekly study groups, one in Condensed Matter Physics (led by Muktish Acharyya and Professor Abhijit Mookerjee, SNBCBS) and in Astrophysics and Cosmology (led by Professor Raychaudhury).

This year, at the national level, many of our undergraduate students qualified in the JAM-2012, which is the joint admission test for admission to the M.Sc. programme at the IITs. The success rate at the national JEST examination (Joint Entrance Test for the Ph.D. programmes of various national Institutes) is very high. More than 80% of our students who appeared in these examinations were selected for admission to higher degree programmes at the various IITs, and to the other premier institutions such as IISc (Bengaluru), ISM (Dhanbad), JNU (New Delhi), IMSc (Chennai) and Calcutta University for integrated M.Sc./Ph.D. or direct Ph.D. programmes.

Udvas Chattopadhyay has been selected for the prestigious Jagadis Bose National Science Talent Search (JBNSTS) scholarship. He participated in an educational tour conducted by JBNSTS to Bengaluru and visited several national institutes/laboratories of importance like ISRO, NAL, ISI, HAL, RRI, IIA(CREST), IISc, JNCASR, NCBS-TIFR, NIMHANS, and attended several seminars. He also submitted a preliminary report of a project with two others on classical dynamical theory titled 'Modification of Bertrand's theorem'.

A large number of students Papiya Mandal received a scholarship for being among top 1.5% of the total Kendriya Vidyalaya Sangathan students in their Class 12 examination.

On 16 March, 2012, a group of ten 1<sup>st</sup> year BSc students visited the Variable Energy Cyclotron Centre (VECC), Bidhannagar, under the supervision of Dr. Prabir Banerjee in order to participate in a programme for National Science Day 2012.

The Presidency University Physics league was formed as a recognized student society in Physics.

### Seminars Held in the Department

Name of the speaker	Institution/University	Topic
Prof. Sabyasachi Bhattacharya 24 <sup>th</sup> January, 2012	Distinguished Professor (also Former Director), Tata Institute of Fundamental Research (TIFR), Mumbai	1) "Biology & Physics of Memory" 2) "Persistence of Nonvolatile Memory : Remembrance of Things on Edges"
Prof. Sumantra Chattarji 24 <sup>th</sup> January, 2012	National Centre for Biological Science (NCBS), TIFR, Mumbai	"Persistence of Memory in the Brain: Remembrance of Things emotional and factual".
Dr. Amitava Bagchi 27 <sup>th</sup> February, 2012	Former Director and Marketing Manager of AT&T, Bell Laboratory, USA (1984-1909).	"Perspective in Higher Studies: Physics Teaching in India & USA".
Prof. Soumitra Sengupta 27 <sup>th</sup> July, 2012	I.A.C.S., Kolkata	"An Amazing Story of a Very Good (But not God) Particle".



### Research Projects in the Department

Title	Investigator	Funding agency	Amount Sanctioned	Research workers
Modelling Astrophysical & High-Energy Observations using Nuclear Particle Physics & Hydrodynamics	PI : Dr Mira Dey (Retd Professor) Co-PI: Dr J.Dey (Retd Professor), Dr M. Sinha Roy (Retd Professor), Dr P. Mukherjee, Dr G. Bhattacharya, Dr S. Konar (NCRA/TIFR)	DST	Rs. 23,83,600	Dr. S. Chakravarti (Research Fellow)
Nanostructure Materials and Their Hybrids/ Composites as Super Capacitor for Energy Storage and Sensor Applications	Dr. Sukanta De	DST	Rs. 73,00,000 (for 5 Years, Ramanujam Fellowship)	Nil
Study of Deposition, Morphology and Thermal Fragmentation of Supported Metal Nanoclusters.	Dr. Debasish Datta	UGC	Rs. 1,52,000	Self
Polymer-inorganic Hybrid Nanocomposites (PHINC) – Preparation, Characterization & their Potentials as Nanocomposites	Dr. Arabinda Nayak (CI) in collaboration with Prof. Mukul Biswas (PI), Dept. of Chemistry & Biochemistry	CSIR	Rs. 13,58,000	One SRF

### National and International Research Collaborations and projects

Somak Raychaudhury

CAFEGROUPS: a study of AGN feedback in galaxy groups (PI: Raychaudhury).

Co-Investigators: Jan Vrtilik, Ewan O'Sullivan, Larry David (Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, USA), Simona Giacintucci (University of Maryland, USA), Tiziana Venturi and Myriam Gitti (University of Bologna, Italy), C H Ishwara-Chandra (National Centre for Radio Astrophysics, Pune, India) and Ramana Athreya (IISER, Pune).

The Centaurus A VLP collaboration (PI Kraft).

Principal collaborators: Ralph P Kraft, William R. Forman and Christine Jones (Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, USA), Craig Sarazin (University of Virginia, USA), Nicola Brassington and Martin Hardcastle (University of Hertfordshire, UK), Gregory R. Sivakoff (University of Alberta, Canada), Mark Birkinshaw and Diana Worrall (University of Bristol, UK), Daniel Evans (Massachusetts Institute of Technology, Cambridge MA, USA), Marat Golfanoc (Max Planck Institut fur Astrophysik, Munich, Germany).

The XXL (XMM X-ray Large Scale structure) Survey (PI: M Pierre)

Principal collaborators: Marguerite Pierre (CEA Saclay, France), Huub Rottgering (Leiden University, Netherlands), Manolis Plionis (University of Athens, Greece), Steven S Murray (Johns Hopkins University, USA), Malcolm Bremer (University of Bristol, UK), Cathy Horellou (University of Onsala, Sweden), Jean Surdej (University of Liege, Belgium), Trevor Ponman (University of Birmingham, UK).

Muktish Acharyya

Influence On Each Other Of Order-Disorder and Magnetic Transitions in Binary Alloys (Co-investigator : Prof. Abhijit Mookerjee, S.N. Bose National Centre for Basic Sciences, Kolkata) JRF/SRF involved : Tithi Mondal, Banasree Sadhukhan, Suman Chowdhury (JRF) and Ambika Prasad Jena (SRF)

### Editorial Board Membership in Research Journals

Muktish Acharyya

- Editorial Board member of the journal *Review of Applied Physics*, (Science and Engineering Publishing Company), website: [www.scipub.org/RAP/EditorialBoard.aspx](http://www.scipub.org/RAP/EditorialBoard.aspx)

2. Editorial Board member of the journal *International Journal of Advancements in Research and Technology*, (SciResPub), ISSN 2278-7763 website: [www.ijoart.org/editorialTeam.shtml](http://www.ijoart.org/editorialTeam.shtml)
3. Editorial Board member of the journal *Scientific Research and Impact* (Science Park Journals), ISSN 2315-5396 website: [scienceparkjournals.org/sri/editors.htm](http://scienceparkjournals.org/sri/editors.htm)

Somak Raychaudhury

Member, Editorial Board, *Advances in Astronomy*, (Hindawi) <http://www.hindawi.com/journals/aa/editors/>

## Publications

- Mahajan, Smriti, **Raychaudhury, Somak**, Pimblet, Kevin A., Plunging fireworks: why do infalling galaxies light up on the outskirts of clusters? *Monthly Notices of the Royal Astronomical Society*, 427, 1252-1265 (2012) (Impact factor: 4.900)
- Rasmussen, Jesper, Mulchaey, John S., Bai, Lei, Ponman, Trevor J., **Raychaudhury, Somak**, Dariush, Ali, The Suppression of Star Formation and the Effect of the Galaxy Environment in Low-redshift Galaxy Groups, *Astrophysical Journal*, 757, 122 (2012) (Impact factor: 6.024)
- O'Sullivan, Ewan, Giacintucci, Simona, Babul, Arif, **Raychaudhury, Somak**, Venturi, Tiziana, Bildfell, Chris, Mahdavi, Andisheh, Oonk, J. B. R., Murray, Norman, Hoekstra, Henk, Donahue, Megan, A Giant Metrewave Radio Telescope/Chandra view of IRAS 09104+4109: a type 2 QSO in a cooling flow, *Monthly Notices of the Royal Astronomical Society*, 424, 2971-2993 (2012) (Impact factor: 4.900)
- Giacintucci, Simona, O'Sullivan, Ewan, Clarke, Tracy E., Murgia, Matteo, Vrtilik, Jan M., Venturi, Tiziana, David, Laurence P., **Raychaudhury, Somak**, Athreya, Ramana M., Recurrent Radio Outbursts at the Center of the NGC 1407 Galaxy Group, *Astrophysical Journal*, 755, 172 (2012) (Impact factor: 6.024)
- Burke, Mark J., **Raychaudhury, Somak**, Kraft, Ralph P., Brassington, Nicola J., Harcastle, Martin J., Goodger, Joanna L., Sivakoff, Gregory R., Forman, William R., Jones, Christine, Woodley, Kristin A. and 11 others, A Transient Sub-Eddington Black Hole X-Ray Binary Candidate in the Dust Lanes of Centaurus A, *Astrophysical Journal*, 749, 112 (2012) (Impact factor: 6.024)
- Acharyya, M.** (2012) Nonequilibrium phase transition in the kinetic Ising model: Absence of tricritical behaviour in presence of impurities, *Acta Physica Polonica B* (in press) To appear in November 2012. (Impact factor: 0.901)
- Acharyya, A.B. and **Acharyya, M.** (2012) Bose - Einstein condensation in arbitrary dimensions, *Acta Physica Polonica B*, 43, 1805. (Impact factor: 0.901)
- Banerjee, P. et al.** *Phys. Rev.* C85 064607 (2012) (Impact factor: 3.308)
- Datta, D., Moudal S. and Bhattacharyya, S. R.** (2012), **Growth process of GaAs ripples as a function of incident Ar-ion dose**, *Appl. Surf. Sci.* 258, 4152 (Impact factor : 2.1)
- Moriarty, G. P., **De, S.** et al., (2012) Thermoelectric Behavior of Organic Thin Film Nanocomposites, *J. Poly. Sc.: Part B: Poly. Phys.*, In Press. (Online available from 15th Oct. 2012), DOI: 10.1002/polb.23186. (Impact factor: 1.53)
- Sorel, S., Lyons P. E., **De, S.**, et al., (2012) The dependence of the optoelectrical properties of silver nanowire networks on nanowire length and diameter, *Nanotechnology*, 23, 185-201. (Impact Factor: 3.98)
- King, P. J., Higgins, T. M., **De, S.** et al., (2012) Percolation Effects in Supercapacitors with Thin, Transparent Carbon Nanotube Electrodes, *ACS Nano*, 6, 1732 – 1741. (Impact Factor: 10.77)
- Gangopadhyay, T., Li, X-D., Ray, S. Ray, **Dey, M., Dey, J.** kHz QPOs in LMXBs, relations between different frequencies and compactness of stars, *New Astronomy*, 17, 43-45. (2012) (Impact Factor : 1.411)
- Gayen, R. N., Hussain, S., Ghosh, D., Bhar, R. and Pal, A. K.,** (2012) Two-source co-evaporation technique for synthesis of indium phosphide films with controlled composition, *Journal of Alloys and Compounds*, vol. 531, p. 34-40 (Impact Factor 2.289).
- Gayen, R. N., Hussain, S., Bhar, R. and Pal, A. K.,** (2012) Synthesis and characterization of indium phosphide films prepared by co-evaporation technique, *Vacuum*, vol.86, p. 1240-1247 (Impact Factor 1.317).
- Hussain, S., **Gayen, R. N., Dutt, M. B. and Pal, A. K.,** (2012) Surface modification of GaAs induced by argon ion implantation, *Indian Journal of Pure and Applied Physics*, vol. 50, p. 650-656 (Impact Factor 0.763).
- Mukherjee, P. K.** (2012): Effect of gauche molecular conformations and molecular flexibility on the rotator phase transitions of alkanes., *Journal Physical Chemistry B* 116, 1517-1523. (Impact factor: 3.70)
- Mukherjee, P. K.** (2012): Isotropic to Smectic-C phase transition in liquid crystalline elastomers, *Journal of Chemical Physics* 136, 144902-1-5. (Impact factor: 3.33)
- Mukherjee, P. K.** (2012): Tricritical behavior of the smectic-A to hexatic-B phase transition in a liquid crystal mixture, *Solid State Communications* 152, 1142-1146. (Impact factor: 1.65)

- Mukherjee, P. K.** (2012): Theoretical model of the temperature and frequency dependent non-linear dielectric effect in the isotropic phase above the isotropic-smectic-A phase transition. *European Physical Journal E* 35:28, 1-5. (Impact factor: 1.94)
- Mukherjee, P. K.** (2012): The Kerr effect and nonlinear dielectric effect in the isotropic phase of the I-B2 phase transition in banana shaped liquid crystals. *Chemical Physics* 405, 67-70. (Impact factor: 1.89)
- Mukherjee, P. K.** (2012): Pretransitional Kerr effect and nonlinear dielectric effect in the isotropic phase of the isotropic to smectic-E phase transition, *Journal Molecular Liquids* 170, 1-3. (Impact factor: 1.58)
- Mukherjee, P. K.** (2012): Effect of nonmesogenic impurity on the isotropic to Smectic-A phase transition, *Liquid Crystals* (in press) (Published online: DOI:10.1080/02678292.2012.731084). (Impact factor: 1.85)
- Mukherjee, P. K.** (2012): Improved analysis of the effect of molecular flexibility on the nematic to smectic-A phase transition. *Chemical Physics Letter*.  
Online. DOI: 10.1016/j.cplett.2012.11.071) (Impact factor: 2.34)
- Mukherjee, P. K.** (2012): Fluctuation-driven first order crystal to rotator-V phase transition in n-alkane. *Philosophical Magazine Letters* 92, 160-165. (Impact factor: 1.32)
- Rzoska, S. J., **Mukherjee, P. K.** and M. Rutkowska (2012): On the discontinuity of the isotropic – mesophase transitions in the homologous series of liquid crystalline n-alkyl cyanobiphenyls, *Journal of Physics: Condensed Matter* 24, 375101-1-10. (Impact factor: 2.55)
- Nayak, A.** and **Bhunja, S.** (2012) Microstructure and dielectric functions of Ge nanocrystals embedded between amorphous Al<sub>2</sub>O<sub>3</sub> films: study of confinement and disorder. *J. Experimental Nanoscience*, (in Press): DOI: 10.1080/17458080.2012.669852. (Impact Factor 1.011).
- Haldar, I., Biswas, M. and Nayak, A.** (2012) Preparation and evaluation of microstructure, dielectric and conductivity (ac/dc) characteristics of a polyaniline/ poly- N-vinyl carbazole/Fe<sub>3</sub>O<sub>4</sub> nanocomposite. *J. Polymer Research*, 19:9951. DOI: 10.1007/s10965-012-9951-0 (Impact Factor 1.733).
- Haldar, I., Biswas, M. and Nayak, A., Sinha Ray, S.** (2012) Morphological, dielectric and electrical conductivity characteristics of clay-containing nanohybrids of poly(N-vinyl carbazole) and polypyrrole. *J. Nanoscience and Nanotechnology*, 12, 7841 DOI: 10.1166/jnn.2012.6589 (Impact Factor 1.563).
- RayChaudhuri, B.** (2012) Remote sensing of solar induced chlorophyll fluorescence at atmospheric oxygen absorption band around 760 nm and simulation of that absorption in laboratory. *IEEE Transactions on Geoscience and Remote Sensing* vol. 50 p. 3908–3914 (Impact Factor 2.895)
- RayChaudhuri, B.** (2012) Synthesis of mixed pixel hyperspectral signatures. *International Journal of Remote Sensing* vol. 33 p. 1954–1966 (Impact Factor 1.117)
- Bhowmick, S. K., Pal, P., Roy, P. K., and Dana, S. K.,** Lag synchronization and scaling of chaotic attractor in coupled system, *Chaos* 22, 023151 (2012) (Impact factor: 2.076)

### CONFERENCE PROCEEDINGS

- Tioo, Peter & Raychaudhury Somak,** Computational Intelligence in Astronomy—A Win-Win Situation, Theory and Practice of Natural Computing, In *Theory and Practice of Natural Computing*, pp. 57-71, Lecture Notes in Computer Science, Springer-Verlag, LNCS 7505 (2012)
- Fouad, Shereen. Tioo Peter. Raychaudhury Somak, Schneider Petra,** Learning Using Privileged Information in Prototype Based Models. In *Artificial Neural Networks (ICANN 2012)*, pp. 322-329, Lecture Notes in Computer Science, Springer-Verlag, LNCS 7553 (2012)
- Chakraborty, D., Gayen, R. N., Hussain, S., Bha, R., Ghoshal, A. K. and Pal, A. K.,** (2012) ZnO/Ti Thin Film: Synthesis, Characterization and Methane Gas Sensing Property, *Journal of Physics: Conference Series*. vol. 390, p. 012065. (Conference proc. of International Symposium on Vacuum Science & Technology and its Application for Accelerators, 15–17 February 2012, VECC, Kolkata, India)
- David L.P., O'Sullivan E., Giacintucci S., Forman W., Jones C., Vrtilik J., Raychaudhury S., Sun M., Lim J.,** The X-ray Brightest Group in the Sky - NGC 5044, AAS Meeting #219, *Bulletin of the American Astronomical Society*, #226.01

### Paper Presentation/Seminar Lecturers Delivered in Conference/Workshop

Somak Raychaudhury

"The use of Topographic Mapping in Visualisation and Classification: Application to finding planets around other

stars” Invited talk at Conference on Contemporary Issues and Applications of Statistics (CIAS 2012), Indian Statistical Institute, Kolkata, 3-5 January 2012.

“Garden Variety Black Holes in Centaurus A” Mark J. Burke, Somak Raychaudhury, Ralph Kraft and the Cen A VLP collaboration, the Royal Astronomical Society (UK) National Astronomy Meeting, Manchester UK, 27-30 March 2012 (talk delivered by Mark Burke).

“Centaurus A: Spectral fitting sources comparable in luminosity to the classic Milky Way X-ray binaries” Mark J. Burke, Somak Raychaudhury, Ralph Kraft and the Cen A VLP collaboration, in X-ray binaries: celebrating 50 years since the discovery of Sco X-1, 10-12 July 2012 (talk delivered by Mark Burke).

Sukanta De

“Liquid phase exfoliation of inorganic layered materials to get nano sheet”, International Conference on Nanoscience and Technology (ICONSAT 2012), ARCI, Hyderabad, India.

Arabinda Nayak

“Microstructure, dielectric and conductivity characteristics of polypyrrole and polyaniline modified (poly-N-vinyl carbazole- $\text{Fe}_3\text{O}_4$ ) nanocomposites”, International Conference on Nanoscience and Technology (ICONSAT 2012), ARCI, Hyderabad, India. 20 – 23 January, 2012 (Coauthors: I. Haldar & M. Biswas)

Dr Jishnu Dey and Dr Mira Dey

Invited talk (Free Meson Lecture): “Strange star, pion gas, hydrodynamics, nuclear-particle physics & Astrophysics”: Tata Institute of Fundamental Research, Mumbai, 2<sup>nd</sup> August, 2012.

Conference Talk : “Estimate of stellar masses from their QPO frequencies”, Subharthi Ray, T. Gangopadhyay, **Jishnu Dey and Mira Dey**, in Cape Town, South Africa, (talk given by Dr S. Ray.)

### Lecturers Delivered

Somak Raychaudhury

“Active Galactic Nuclei Feedback in Groups of Galaxies”, Seminar at the Kapteyn Institute, University of Groningen, Netherlands, 25 April 2012

“A Black Hole Hunters’ Essential Toolkit”, Keynote lecture at the United Kingdom National School Science Teachers’ Meet, Birmingham, UK, 8 July 2012

“Exploring our Dark Universe” Keynote lecture at British Science Festival, University of Birmingham, United Kingdom, 10 July 2012

“Jagadish Chandra Bose’s microwaves and their contemporary relevance”, talk at the IEEE Milestone plaque presentation event, Derozio Hall, Presidency University, Kolkata, 15 September 2012

“What is the Universe made of?” Golden Jubilee Public Lecture, Birla Planetarium, Kolkata, 29 September 2012

“The stuff of the Universe: a Masterclass”, Seminar at the University of Birmingham, United Kingdom, 28 November 2012

“The Black Hole Hunters’ Essential Toolkit”, Prof. Subrahmanyan Chandrasekhar Centenary Lecture, Nehru Centre, Mumbai, 8 December 2012

Muktish Acharyya

“Ferro-paratransition: A Statistical Physics approach”, four lectures, 14th and 15th December, 2012, as a resource person in the Refresher course (3.12.2012-22.12.2012) organised by UGC Academic Staff college, Jadavpur University, Calcutta, India.

“Computer simulations in Physics and Chemistry”, on 23rd July, 2012, as a Resource Person, organised by UGC Academic Staff College, Jadavpur University in a Special Summer School “Principles and applications in basic sciences” (9.7.2012-28.7.2012).

Barun RayChaudhuri

Delivered lecture as Resource Person in Refresher Course in Physics for college and university teachers organized by UGC-Academic Staff College at the Department of Physics, University of Calcutta during July 09–28, 2012.

Dr Jishnu Dey and Dr Mira Dey

Invited talk (Free Meson Lecture): “Strange star, pion gas, hydrodynamics, nuclear-particle physics & Astrophysics”: Tata Institute of Fundamental Research, Mumbai, 2<sup>nd</sup> August, 2012.

### Staff Members

#### A) Members of Faculty

1. Somak Raychaudhury, Head of Department

#### B) Members of Research Faculty

1. Soumya Chakravarti

- |  |                                      |
|--|--------------------------------------|
| 2. Muktish Acharyya  | 2. Sukanta De (DST Ramanujan Fellow) |
| 3. Narayan Banerjee  | 3. Jishnu Dey                        |
| 4. Prabir Banerjee   | 4. Mira Dey                          |
| 5. Gour Bhattacharya   |                                      |
| 6. Shilbhadra Chatterjee                                       |                                      |
| 7. Debasish Datta  |                                      |
| 8. Abhijit De  |                                      |
| 9. Bikash De   |                                      |
| 10. Rabindranath Gayen   |                                      |
| 11. Prabir Mukberjee (till November 2012)                      |                                      |
| 12. Arabinda Nayak   |                                      |
| 13. Barun RayChaudhuri   |                                      |
| 14. Prodyot Kumar Roy (Head of Department till September 2012) |                                      |

**C) Guest Teachers**

1. Biren Das
2. Mahendra Sinha Ray
3. Tarasankar Nag
4. Arpita Bose
5. Bikash Kanta Chakrabarti
6. Kalipada Nahal
7. Biswanath Jha

**D) Honorary Guest Teachers**

1. Nandini Raha

**E) Non-Teaching Members**

- |                   |                      |
|-------------------|----------------------|
| 1. Haren Baidya   | 9. Dipak Kumar Roy   |
| 2. Amitabha Bhar  | 10. Dilip Kumar Bir  |
| 3. Protima Haldar | 11. Dilip Hazra      |
| 4. Biswajit Das   | 12. Pradip Kumar Das |
| 5. Babulal Das    | 13. Kartick Hela     |
| 6. Bijoy Barik    | 14. Sumati Hazra     |
| 7. Ananta Barik   |                      |

## Department of Physiology

**News from the department**

The year 2012 was an eventful one. Although severely understaffed, the department maintained its standard in quest for its pursuits for academic excellence. Our students made us proud by their academic performances. At the undergraduate level, out of 14 students, 9 got First Class, securing five of the top ten positions of the University of Calcutta. Our students have also topped the entrance examination of various National Institutes such as JNU, AIIMS, NCBS, NBRC, and FRI. At the postgraduate level, out of 20 students, 18 got First Class. Most of them have joined various National Institutes for higher studies.

Our students were equally brilliant in co-curricular activities like debates, quiz, games, sports etc. and brought laurels for the University and the Department. One of our undergraduate students did summer research project in The Centre for DNA Fingerprinting and Diagnostics, Hyderabad. One of our former students, Suparna Show has joined the Department as the Prof. Sachchidananda Banerjee Research Scholar.

One of the members of faculty, Dr. Subrata Ghosh, was awarded the prestigious Yellapragada Subbarow Memorial Award for best research paper on Occupational Health in 33<sup>rd</sup> Annual Conference of IABMS, NITTE University, Mangalore, Karnataka. Prof. Adhar C. Manna joined the Department on 30<sup>th</sup> July, 2012, and others are likely to join the department soon.

We are thankful to our guest faculties for their help and support. The Departmental Seminar Library is running efficiently under Dr. Mausumi Sikdar and Dr. Nirmal Kumar Pradhan. The wall magazine 'Prachirika' is being published regularly.

The undergraduate students completed their field work in different parts of North Bengal under the guidance of Dr. Prabir Kumar Mukhopadhyay and Dr. Alak Kumar Syamal.

The Department along with its members (staff, student and alumni) is striving hard to realize a dream, a dream for which Presidency University stands, an urge to do something different, a tendency to set a genre of original thinking and asserts its hitherto unrivalled potentialities once again.

**Seminar organized by the Department and visitors to the Department:**

Name of the speaker	Institutional address	Topic
1. Prof. Animesh Ray	Director, MBS-Ph.D. Programme, Keck Graduate Institute, Clairmont, USA.	Gene Robustness
2. Dr. Joideep Banerjee	Dept. of Surgery, Ohio State University, USA.	Role of anti mRNA in cardiac dysfunction.
3. Prof. Chandan Kumar Sen	Director and Head of the Faculty of Surgery, Ohio State University, USA.	Micro RNA in tissue repair and damage.
4. Dr. Sharmila Bhattacharya	Principal Investigator, Biomedical Performance Laboratory, Space Biosciences Division, NASA Ames Research Centre, California, USA.	Spaceflight and Stress.
5. Dr. Sovan Sarkar	Whitehead Institute for Biomedical Research, MIT, USA.	Role of Autophagy in Neurodegenerative Disease.

**Research activities of the Department:**

Title of the Project	Principal & Co-investigator	Funding agency	Amount
An ergonomic study of occupational health problems of women construction workers in unorganized sectors of West Bengal, determination of safe load limit and some suggestive remedial measures.	PI: Bijetri Bandopadhyay  Co PI: Prof. Devashish Sen	DBT, Govt. of India	Rs.29,08,000/-
DBT's Twinning Programme for the NE titled Visual and tactile information processing in product selection process.	Co-PI: Dr. Subrata Ghosh in collaboration with Dr. Sougata Karmakar, IIT,	DST, Govt. of India.  Guwahati.	Rs.40,083,000/-
Comparison of nutritional status of chronic arsenic exposed women with poor nutrition compared to similar arsenic exposed male subjects.	PI: Dr. Sarmishtha Chanda at NGO Dr. D.N.GuhaMajumdar Foundation.	DBT Govt.of India.	Rs.600,000/-

**List of Publications by the teachers of the department**

Lucas A.L. and Manna A.C. (2012) Phenotypic characterization of *sar R* mutant in *S.aureus*. Microb. Pathog. 2012. Nov 23, pii: S0882-4010(12)00200-8.doi:10.1016/j.micpath.2012.11.008.

**Seminars / Lectures Delivered / Workshops attended in 2012:**

**Prof. Devashish Sen :**

Attended the 33<sup>rd</sup> Annual Conference of Indian Association of Biomedical Scientists and International Symposium, held at NITTE University, Mangalore from 1<sup>st</sup> to 3<sup>rd</sup> November, 2012. Delivered an invited lecture on 'Occupational

risk assessment of coal mine workers of West Bengal : a meta analysis'.

Chaired a scientific session in the same conference.

Also delivered an invited lecture on 'Ergonomic analysis of job heaviness and development of MSDs of miners in India', in the Dept. of Mining Engineering, BESU, Shibpur, India, on 12<sup>th</sup> December, 2012.

**Prof. Adhar C. Manna:**

Attended the XXXVI All India Cell Biology Conference & International Symposium on Stress Adaptive Response and Genome Integrity at BARC, Mumbai, India from 17<sup>th</sup> to 19<sup>th</sup> October, 2012 and delivered an invited lecture on 'Regulation of Oxidative Stress-Responsive Genes by Sar-family regulators in *S.aureus*.'

**Dr. Prabir Kumar Mukhopadhyay:**

Attended the 33<sup>rd</sup> Annual Conference of Indian Association of Biomedical Scientists and International Symposium, held at NITTE University, Mangalore from 1<sup>st</sup> to 3<sup>rd</sup> November, 2012. Delivered an invited lecture on 'Protection of hepatocellular toxicity in arsenic trioxide induced adult male Wistar rats by strategically modulated protein diet.'

Chaired a scientific session in the same conference.

Attended the International Conference on Frontiers in Biological Research (ICFBR-2012), held in the Dept. of Human Physiology, Vidyasagar University, Midnapore, 26<sup>th</sup> and 27<sup>th</sup> February, 2012 and delivered an invited lecture on the topic 'Studies on arsenic intoxicated oxidative stress induced DNA damage in testis and accessory organ functions in rats.' and also chaired a scientific session in the the same conference.

**Dr. Subrata Ghosh:**

Attended the 33<sup>rd</sup> Annual Conference of Indian Association of Biomedical Scientists and International Symposium, held at NITTE University, Mangalore from 1<sup>st</sup> to 3<sup>rd</sup> November, 2012. Delivered an invited lecture on 'Ergonomic evaluation of hand-arm vibration syndrome: a cross-sectional study amongst hired labourers of PWD (Roads), Kolkata.'

Chaired a scientific session in the same conference.

Delivered the Professor A. Namasivayam Endowment Lecture on 'Emergence of skeletal fluorosis, its endemicity & early detection by RBC surface nanoscopy', in Dr. A. Venugopal Auditorium, Dr. A.L.M. Postgraduate Institute of Basic Medical Sciences, University of Madras, Chennai, on 7<sup>th</sup> March, 2012.

Delivered a lecture on 'Food & nutrition on Community Health - Rural Perspective of West Bengal' as Resource Person in a UGC Sponsored National Level Seminar at Mahishadal Girls' College on 16<sup>th</sup> February, 2012.

**Dr. Mausumi Sikdar (nee Bhakta):**

Attended the 33<sup>rd</sup> Annual Conference of Indian Association of Biomedical Scientists and International Symposium, held at NITTE University, Mangalore from 1<sup>st</sup> to 3<sup>rd</sup> November, 2012. Delivered an invited lecture on 'In search of an alternative to conventional antibiotics against *Staphylococcus aureus* : A study with *Cathranthus roseus* (Periwinkle/ Nayantara) and *Nyctanthes arbortristis* (Siuli) leaf extracts.'

**Dr. Indrani Chakraborty:**

Attended the 33<sup>rd</sup> Annual Conference of Indian Association of Biomedical Scientists and International Symposium, held at NITTE University, Mangalore from 1<sup>st</sup> to 3<sup>rd</sup> November, 2012. Delivered an invited lecture on 'Synthetic contraceptive vis-a vis contraceptive from Indian herbs: Search for an alternative.'

**Dr. Nirmal Kumar Pradhan:**

Attended the 19<sup>th</sup> State Science Congress, West Bengal, from 1<sup>st</sup> to 3<sup>rd</sup> March, 2012, held at SINP, Kolkata, and delivered an invited lecture entitled 'Kesardam a research for a safe, nontoxic and potent herbai plant.'

Attended the International Conference on Frontiers in Biological Research (ICFBR-2012), held in the Dept. of Human Physiology, Vidyasagar University, Midnapore, in 26<sup>th</sup> and 27<sup>th</sup> February, 2012 and delivered an invited lecture on the topic, "Ludwigiaadscendens (L), A potent herbal male sterilitic agent in the global population control scenario".

**Staff List:**

**Faculty**

Devashish Sen, Head of the Department

Adhar Chandra Manna

Prabir Kumar Mukhopadhyay

**Non Teaching**

Tushar Chakraborty

Shyamal Kanti Singha

Susanta Roy

Alak Kumar Syamal  
Subrata Ghosh  
Mausumi Sikdar  
Indrani Chakraborty  
Nirmal Kumar Pradhan  
Sarmishtha Chanda

Jharna Sarkar  
Maya Hazra

**Guest Teachers :**

Debajyoti Das, Retired Member of Faculty, Department of Physiology, Presidency College.  
Anjan Biswas, Retired Member of Faculty, Department of Physiology, Presidency College.  
Shyamal Roychoudhury, Retired Member of Faculty, Department of Physiology, Tamralipta Mahavidyalaya.  
Amalendu Samanta, Retired Member of Faculty, All India Institute of Public Health & Hygiene, Kolkata.  
Subir Nag, Principal, S. Roy College of Education, Kolkata.  
Subhasish Sahu, Member of Faculty, Department of Physiology, Kalyani University.  
Debdut Ghosh Thakur, Chief Reporter, Anandabazar Patrika.  
Muktish Acharya, Assistant Professor, Department of Physics, Presidency University.

**Visiting Teachers:**

Netai Pada Bhattacharya, Senior Scientist, Saha Institute of Nuclear Physics, Kolkata.  
Naibedy Chattopadhyay, Deputy Director, CDRI, Lucknow.  
Abhoy Shankar Chakraborty, Professor, Department of Biophysics, Molecular Biology & Genetics, University of Calcutta.  
Maitrayee Dasgupta, Senior Faculty & Scientist, Department of Biochemistry, University of Calcutta.  
Anjan Dasgupta, Professor, Department of Biochemistry, University of Calcutta.  
Prakash Dhara, Professor, Department of Physiology, Vidyasagar University.  
S.N. Kabir, Senior Scientist, IICB, Kolkata.  
Rupak Kumar Bhadra, Senior Scientist, IICB, Kolkata.  
P.B. Ghosh, Institute of Wetland Management & Ecological Design, Department of Environment, Government of West Bengal.

## Department of Statistics

### News from the Department

The Department of Statistics of the erstwhile Presidency College, now University, is one of the oldest departments in the country and perhaps also in Asia. The undergraduate course of the department started way back in 1944, under the command of the great P. C. Mahalanobis, also hailed as one of the greatest statisticians in the world. This was at a time when Statistics as a distinct course was quite unknown in many American universities. Since then the department has produced illustrious scholars, academicians and statisticians who have achieved tremendous fame in India and abroad. Mention should be made of the illustrious trio of statistical education in India – Prof. A. M. Gun, Prof. M. Gupta and Prof. B. Dasgupta, all of whom were first students and later teachers in the department, Prof. R. Mukherjee, Prof. J. K. Ghosh, to name a few.

The performance of the outgoing undergraduate batch (session: 2009-2012) was excellent, with five students pursuing Masters in the Indian Statistical Institute, one in Indian Institute of Technology (IIT), Kanpur, one in IIT Bombay, five in Calcutta University (CU) and the remaining six in the post graduate dept. of our University. 17 students appeared for CU Part III exam and 16 secured first class marks. Out of them, Abhishek Sengupta, secured the first rank in the exam among all the students of Calcutta University.

Starting with a modest number of five students in the first year, the number of students enrolling in the Masters program increased fourfold to its full capacity of 20 students.

Mr. N. V. Krishna Chaitanya Yerroju, a student of the University of Hyderabad, joined the department as an Assistant Professor on 10/08/2012. The department is proud to have this young and dynamic teacher as one among its faculty.



**Events:**

To commemorate the 80<sup>th</sup> birth anniversary of Prof. A. M. Gun, Prof. M. Gupta and Prof. B. Dasgupta, the Dept. organised a gala felicitation ceremony, for this illustrious trio, on the evening of Teachers Day, 5<sup>th</sup> November, 2012. Among those present were the present Vice Chancellor, former students, colleagues and many well wishers and the teachers of the department. The audiences expressed their tremendous gratitude to their teachers who had shaped not only their careers but also their characters during the formative years of their lives.

**Seminars conducted by the department:**

The department organised the following seminars during the year 2012-13

Name	Designation	Title
Prof. A. N. Basu	Professor, Bayesian and Interdisciplinary Research Unit, Indian Statistical Institute, Kolkata	Some alternative approaches to Robust Weighted Likelihood Estimation.
Prof. P. Bhimasankaram	Professor, Indian School of Business, Hyderabad.	g-inverses and their application in Statistics.
Mr. B. Chaudhuri	Director, National Sample Survey Organisation	Official Statistics.

**Publications:**

Basak, G. K. and **Biswas, A.** (2012) Process convergence of self normalised sums of iid random variables coming from the domain of attraction of alpha stable distribution, Accepted, Proceedings of the Indian Mathematical Society.  
Bandyopadhyay, U. and **De, S.** (2012): Multi-treatment Covariate-adjusted Adaptive Design Under Informative Censoring. *Statistics*. (Published online [http// dx. doi. org/10.1080/02331888.2012.694443](http://dx.doi.org/10.1080/02331888.2012.694443))

**Seminars /workshops attended by the faculty:**

- A. Biswas gave a lecture titled 'Comparison of standard and adaptive MCMC using their diffusive limits' at the Eighth International Triennial Calcutta Symposium on Probability & Statistics, organised by the Dept. of Statistics, CU and Calcutta Statistical Association, December 27-30 2012.
- A. Biswas gave a lecture titled 'Process convergence of self normalised sums of iid random variables coming from the domain of attraction of alpha stable distribution.' At the statistics section of the Indian Science congress held on Jan 3-7, 2013.

**Staff List:****Faculty:**

1. Pipul Datta, HoD
2. Biswajit Roy
3. Archana Das Roy
4. Saurav De
5. Arunangshu Biswas
6. N V Krishna Chaitanya Yerroju

**Visiting Faculty:**

1. Dr. Sisir Kumar Samanta, Kalyani University.
  2. Dr. Radhakanta Das, Burdwan University.
  3. Dr. Shirsendu Mukherjee, Behala College
- A former student of the department, Ms Sinjini Sikdar (ession : 2007-2010) is taking classes on C programming to the present third year students. She stood First in First Class degree from Calcutta University in 2012.

**Office Staff:**

1. Arun Moitra
2. Sanat Kr. Nandy
3. Santi Hela.

## Department of Zoology

### News from the Department

The Department of Zoology continues its forward march in all fields of academic activity. At present, it is successfully imparting Postgraduate education in Zoology as well as Molecular Biology and Genetics. The Head of the Department, Dr. Kamal Kumar Banerjee is taking all possible efforts to modernise different laboratories of the Department.

In the last session, 13 out of 16 candidates of the B.Sc (Zoology Honours) Final Examination secured First Class marks. One of them, Sri Sounak Sahu had bagged the first rank among all the candidates of the whole University of Calcutta while another candidate, Sri Ratul Datta Choudhuri ranked eighth in the University. At the M.Sc level, the Department is now teaching as many as seven Special Papers in its Zoology course. In the last session, 28 out of 28 candidates of the M.Sc Final Examination secured First Class marks; the topper among them was Smt. Tamalika Sanyal.

At the end of the last September, Dr. Tushar Kanti Mukhopadhyay retired from service. We wish him a hale and hearty retired life. On the other hand, a few new teachers have joined the Department in the last six months. Dr. Nirmal Kumar Sarkar who was serving as an Associate Professor has joined as a Professor. Dr. Puja Ray who pursued her Postdoctoral research on biological control of aquatic weeds in Rhodes University of South Africa and subsequently worked as an Assistant Professor for a few months in AKS University in Madhya Pradesh, has joined as an Assistant Professor. Dr. Sumit Mondal who earned his Ph.D degree for working on marine science and technology from Nagasaki University of Japan and subsequently worked as a Research Associate in the National Institute of Oceanography, Goa, has also joined as an Assistant Professor. Moreover, Dr. Subhashis Banerjee who was working on circadian rhythms of behaviour and metabolism in the capacity of a Research Associate in the Scripps Research Institute in Florida, USA, has also joined as an Assistant Professor. Further, Sri Souryadeep Mukherjee, who is at present a teacher in the Department, and some other scholars from different institutes are likely to soon join the University teaching posts. The joining of new teachers with specialisation in various branches of the subject will definitely add new vigour to different academic exercises of our Department.

A few pass-out Postgraduate students, viz., Sri Arijit De, Sri Anirban Talukdar, Sri Arnab Banerjee, Smt. Chaitali Banerjee, Smt. Priyanka Prasad and Smt. Sreyashi Mitra have qualified the National Eligibility Test (NET). Among them, Smt. Chaitali Banerjee ranked 12th among all candidates of the NET. Sri Arijit De is now working as a Junior Research Fellow under Dr. Bhaskar Gupta of Biotechnology Department and Sri Souryadeep Mukherjee of our Department. Sri Anirban Talukdar and Sri Arnab Banerjee are now working as Junior Research Fellows in the School of Tropical Medicine, Kolkata and Visva-Bharati University, respectively. Smt. Chaitali Banerjee and Smt. Priyanka Prasad are now working as Junior Research Fellows in Indian Institute of Chemical Biology, Kolkata and Chittaranjan National Cancer Institute, Kolkata, respectively. Moreover, a pass-out student, Smt. Roshni Chakraborti joined as a Project Fellow in a UGC Project in Bethune College, Kolkata and another pass-out student, Smt. Ankita Bhattacharya joined Wildlife Institute of India at Dehradun as a Project Fellow. Sri Subrata Gayen, a pass-out student has joined Pakkey Tiger Reserve in Arunachal as a Field Biologist. An Undergraduate student, Sri Souradip Das received a Student Fellowship for carrying out a project work in Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore. Moreover, Sri Souradip Das and a number of his classmates, viz., Smt. Esha Pandit, Sri Satyaki Dutta, Smt. Priyanka Dutta, Sri Aditya Sinha and Smt. Manami Bhadra received INSPIRE Scholarship from Government of India.

Teachers of the Department are carrying on their research pursuits in different fields, in addition to sharing their routine teaching responsibilities. Teachers and Scholars of the Department participated in different seminars and symposia. Two departmental scholars, Moumita Karmakar and Aditi Kundu received awards for their nice deliberation in the 20th West Bengal State Science and Technology Congress held in Saha Institute of Nuclear Physics. Different Teachers acted as paper-setters, examiners and moderators of Undergraduate and Postgraduate examinations of different Universities. In this year, Smt. Sukanya Sengupta, an alumnus of our Department, joined Tuft's University in Boston, USA, as a Postdoctoral Fellow. Sri Somsubhra Nath, another alumnus who was working as a Research Fellow in Indian Institute of Chemical Biology, Kolkata, submitted his Ph.D thesis. Another alumnus, Smt. Srabani Karmakar joined Tata Institute of Fundamental Research, Mumbai, as a Postdoctoral Fellow.

The Department successfully organised an inter-disciplinary educational tour of Undergraduate students of Zoology, Botany and Physiology to an apiary cum honey processing centre in South 24 Parganas district. The Department also

organised a workshop on Basic Techniques of Molecular Biology for Zoology (Major) students under DBT-Star College Programme.

Postgraduate students of Zoology completed a bio-ecological survey in Manas National Park and Pobitora Wildlife Sanctuary in February-March of this year, under the able guidance of Dr. Kamal Kumar Banerjee and Sri Souryadeep Mukherjee. Undergraduate students undertook another bio-ecological survey in Dudhwa Tiger Reserve and Katernighat Wildlife Sanctuary in Uttar Pradesh, under the guidance of the same two faculties. Sri Souryadeep Mukherjee has presently been involved in establishing a Butterfly Garden along with a laboratory for hatching and rearing butterflies within our University campus.

However, shortage of non-teaching staff, scarcity of space for setting up new laboratories and damage at many places in the departmental roof along the entire western half are some important problems that we are facing at present. We are looking forward to having solutions of these problems in the coming future.

#### Seminars organized by the Department and Visitors to the Department

Name of the Speaker/Visitor	Institutional Address	Topic
Prof. Animesh Ray	Director, Keck Graduate Institute, Clermont, USA.	Genome robustness: how genomes have evolved to withstand abuse?
Dr. Mrittika Sengupta and Dr. Madhujaya Dasgupta	Department of Sericulture, Dinabandhu Andrews College, Kolkata	Techniques and problems of sericulture in West Bengal.
Dr. Amlan Ghosh	Department of Zoology, Barasat Government College, North 24 Parganas	Basic molecular biological techniques.

#### Research Activities of the Department:

Title of the Project	Principal and Co-investigators	Funding Agency	Amount (Rs.)	Research Worker
1. Studies on thermostable isoamylase from <i>Rhizopus stolonifer</i> and its application in sugar and alcohol production from starchy wastes.	Dr. Rina Rani Ray (Principal Investigator); Dr. Trilochan Midya (Co-investigator)	University Grants Commission	8.098 lakh	Barnita Ghosh (Project Fellow)
2. Production of fungal xylanase and its application in saccharification and xylitol production from wastes.	Dr. Rina Rani Ray (Principal Investigator); Dr. Trilochan Midya (Co-investigator)	Defence Research and Development Organisation, Govt. of India	17.44 lakh	Aditi Kundu (Junior Research Fellow)
3. Production of sugar and bio-alcohol from a mutant strain of <i>Rhizopus oryzae</i> .	Dr. Rina Rani Ray (Supervisor)	University Grants Commission	4.616 lakh	Moumita Karmakar (Rajib Gandhi National Fellow)
4. Diseases of economically important freshwater snails of West Bengal	Dr. Tapas Kumar Misra (Principal Investigator)	University Grants Commission	5.698 lakh	Saikat Chakraborty (Project Fellow)
5. Culture dependent and independent analyses of prokaryotic communities from the burrows, casts and guts of earthworms from in and around Kolkata.	Dr. Bhaskar Gupta (Principal Investigator); Sri Souryadeep Mukherjee (Co-investigator)	West Bengal Biodiversity Board, Govt. of West Bengal	14.98 lakh	Arijit De (Junior Research Fellow)
6. Study on the polytene chromosome polymorphism in Chironomids and their relation with pollution in aquatic bodies.	Dr. Trilochan Midya (Principal Investigator)	Ministry of Environment and Forests, Govt. of India	23.4 lakh	One each of RA, JRF and Animal keeper

**Publications by the Teachers of the Department :**

1. Bandyopadhyay, S., Karmakar, M. and **Ray, R. R.** (2012) Increase in endoglucanase productivity and mycelial stability of *Rhizopus oryzae* by classical mutagenesis. Brit. Biotech. J., vol. 2, p. 60-72. (ISSN: 2231-2927).
2. Chakraborti, S., **Das, D.**, De, S. and Nag, T. (2012) Structural organization of the toe pads in the amphibian *Philantus ammandalii* (Boulenger, 1906). Acta. Zool. (Stockholm), vol. September, 2012, p. 2-18. (Impact Factor: 1.133).
3. Dey, A., De, A., Ghosh, P. and **Mukherjee, S.** (2012) Antioxidative potential of *Pellia endiviifolia* (Dicks) Dumort from Darjeeling Himalaya. Int. J. Pharmacol. (Science Alert), in press. (Impact Factor: 1.503).
4. Gupta, B., Gupta, K. and **Mukherjee, S.** (2012) Lipase production by a *Serratia marcescens* strain SN5gR isolated from the scat of lion-tailed macaque (*Macaca silenus*) in Silent Valley National Park, a biodiversity hotspot in India. Ann. Microbiol. (Springer), vol. August, 2012 (Impact Factor: 0.689).
5. Karmakar, M. and **Ray, R. R.** (2012) Inducing effect of salicin for extracellular endoglucanase synthesis in *Rhizopus oryzae* PR7 MTCC 9642. Appl. Biochem. Microbiol., in press. (Impact Factor: 0.56).
6. Kundu, A. and **Ray, R. R.** (2012) Valorization of jute caddies for production of extracellular endoxylanase by *Penicillium janthinellum*. J. Chem. Biol. Phy. Sci., vol. 2(4), p. 1849-1861. (ISSN: 2249-1929).
7. Kundu, A. and **Ray, R. R.** (2012) Endoxylanase production from the solid state fermentation of mustard pod husk by *Penicillium janthinellum*. S. Asian J. Exp. Biol., vol. 2(2), p. 44-50. (ISSN: 2230-9799).
8. **Mukherjee, S.**, De, A., Ghosh, P. and Dey, A. (2012) *In vitro* antibacterial activity of various tissue types of *Dumortiera hirsuta* (Sw) Nees from different altitudes of eastern Himalaya. Asian Pacific J. Trop. Dis. (Elsevier), vol. October, 2012 (ISSN: 2221-1691).
9. **Mukherjee, S.**, Dey, A. and Das, T. (2012) *In vitro* antibacterial activity of n-hexane fraction of methanolic extract of *Alstonia scholaris* L. R. Br. stem bark against some multi-drug resistant human pathogenic bacteria. Eur. J. Medicinal Plants (Science Domain), vol. 2(1), p. 1-10 (ISSN: 2231-0894).
10. Sarkar, M., Chatterjee, O. and **Mukherjee, T. K.** (2012) Morphology and histology of three digestive glands of *Ranatra elongata* Fabricius (Hemiptera: Nepidae). E-J. Biol. Sci. (Pakistan), vol. 5(1), p. 27-32 (ISSN: 1028-8880).
11. **Sarkar, N. K.** (2012) Light and scanning electron microscopic studies on chromium-induced anaemia in a murine model. Bull. Environ. Contam. Toxicol. (Springer), vol. 88(1), p. 10-14 (Impact Factor: 1.139).
12. **Sarkar, N. K.** (2012) *Vaccination* (a reference book in Bengali), West Bengal State Book Board, Government of West Bengal.

**Seminar Lectures delivered/attended by Departmental Teachers:**

- Nirmal Kumar Sarkar:** Invited Speaker on 'Rabies - a dreadful disease', Seminar organised by National Service Scheme, Presidency University Unit, April 2012.
- Puja Ray, Sutapa Saha, Sugopa Sengupta and Nirmal Kumar Sarkar:** Seminar on 'Spaceflight and Stress', Presidency University, November 2012.

**Staff list:**

**A. Teaching Staff:**

Kamal Kumar Bandyopadhyay  
 Tushar Kanti Mukhopadhyay (now retired)  
 Nirmal Kumar Sarkar  
 Rina Rani Ray  
 Rabindranath Mandal  
 Tapas Kumar Misra  
 Debasish Das  
 Souryadeep Mukherjee  
 Sutapa Saha (Molecular Biology)  
 Sugopa Sengupta (Molecular Biology)  
 Puja Ray  
 Sumit Mandal  
 Subhashis Banerjee

**B. Non-teaching Staff:**

Gobinda Chandra Nath  
 Sushil Kumar Barik  
 Kashinath Mandal  
 Sibus Hansda  
 Sankar Hela

### Molecular Biology and Genetics :

A distinct Postgraduate course in Molecular Biology and Genetics is being taught in the Department of Zoology of our University for the last seven years. Till the middle of this year, all the teachers of the Zoology Department were involved in the teaching exercise. However, in a later part of this year, two Assistant Professors earmarked for teaching Molecular Biology and Genetics have joined our University. One of them, Dr. Sutapa Saha was earlier working as Senior Research Fellow in the Structural Genomics Division of Saha Institute of Nuclear Physics, Kolkata. The second new faculty is Dr. Sugopa Sengupta; she was earlier working as a Postdoctoral Scientist at Paterson Institute for Cancer Research, University of Manchester, England. A third new faculty is likely to join from USA within a short span of time. The joining of new faculties has definitely added new vigour to the teaching exercise in Molecular Biology and Genetics. In addition to all the faculties mentioned so far, Dr. Trilochan Midya, former Head of our Department, voluntarily participates in the teaching exercise.

The performance of the present as well as pass-out students is quite satisfactory. In the last session, all the 11 candidates of the M.Sc Final Examination secured First Class marks; Sri Rudra Prasanna Banerjee being the topper amongst them. The present First Semester students participated in a panel discussion organised by Dr. Sutapa Saha and Dr. Sugopa Sengupta. Three pass-out students who qualified the National Eligibility Test (NET), viz., Smt. Sounita Mukherjee, Smt. Somdatta Chatterjee and Smt. Arpita Dey are now working as Junior Research Fellows in Saha Institute of Nuclear Physics, Kolkata, National Institute of Cholera and Enteric Diseases, Kolkata and Manobikas Kendra, Kolkata, respectively. Two pass-out students, Sri Debdutta Maity and Sri Rudra Prasanna Banerjee have qualified the Graduate Record Examination (GRE) and are preparing for carrying out higher studies in USA. Sri Maity is now working as a Project Assistant in Netaji Subhas Cancer Research Institute, Kolkata while Sri Banerjee is now working as a Project Assistant in Bose Institute, Kolkata. Three more pass-out students, viz., Smt. Rupsa Basu, Smt. Debangana Kundu and Sri Susanta Chatterjee qualified the Graduate Aptitude Test for Engineering (GATE) and are now working as Project Fellows in Indian Institute of Chemical Biology, Kolkata, Calcutta University College of Science and Technology, Rajabazar and Bose Institute, Kolkata, respectively. Two other pass-out students, Smt. Anisha Polley and Smt. Richa. Singh have joined as Project Assistants in Calcutta University College of Science and Technology, Ballygunge and Indian Statistical Institute, Baranagar, respectively. Moreover, three students of the last academic session, viz., Smt. Anisha Polley, Smt. Sayani Bose and Sri Soumyajit Pal received Scholarship from the DBT-Bioinformatics Centre of our University for carrying out short-term project work on Bioinformatics.

However, we have no scope for self-satisfaction. We must work hard and harder for further improvement of the laboratories as well as teaching exercise.

## **DBT CENTRE FOR BIOINFORMATICS PRESIDENCY UNIVERSITY, KOLKATA INDIA**

(BIF-BTBI under BTISnet, Department of Biotechnology, Govt. of India)

The **DBT Centre for Bioinformatics, Presidency University** (Formerly Bioinformatics Infrastructure Facility (BIF-BTBI) at Presidency College, Kolkata) has started taking shape in 2007 as one of the fifty five BIF Centers, under the Biotechnology Information System Network (BTISnet) of the **Department of Biotechnology, Government of India**. The status of BIF was elevated to **DBT Centre for Bioinformatics** during the XIth Five Year Plan and presently it serves as a repertoire of information related to Bioinformatics and promotion of Biology teaching through Bioinformatics (BTBI) in Eastern India. Bioinformatics Infrastructure Facility (BIF) was initially housed at the Central Library Building (Ground Floor) with the facilities, viz. High-end IBM Server with (24x7) Internet connectivity, ten high-end Terminals, HP Workstation meant for Undergraduate, Postgraduate Students and Research Scholars in the relevant field for Bioinformatics related academic and research activities. It was later shifted to the first floor of Derozio Building as an independent and full-fledged Centre with ten additional high end terminals, provided by DBT, Government of India during XI Five Year Plan and presently continuing in the XIIth Five Year Plan period successfully. Two short term training programs are to be held on Drug Designing, QSAR, QSTR and Applications in January & February 2013 and one National Workshop on Bioinformatics Methodologies will be organized during March 2013 to train the students, teachers and researchers. This year also, Three Studentships and Four Traineeships are being offered from this Centre.

Bioinformatics employs a wide range of computational techniques including sequence and structure alignment, database and software design, data mining, analysis of structure and fold of macromolecules, phylogenetic tree construction, prediction of protein structure and function, gene finding, analysis of expression data, etc. With the flood of data from genome sequences there is a need to develop novel algorithms to predict protein structure (including quaternary state) and function on genomic scale, assign proteins to know pathways and protein-protein interaction networks and to use the information for drug discovery and design as well as many other promising fields.

Structure of the BTISnet: The network consists of 6 Centre of Excellences (COEs), 10 Distributed Information Centres (DICs), 50 Sub-Distributed Information Centres (Sub-DICs), 55 Bioinformatics Centres (BC/BIF) and a Biotechnology Information Centre (BTIC), which is the apex center for the BTISnet. The Department has established six major Interactive Graphics Facilities to promote developmental activities in Bioinformatics. A supercomputing facility has also been set up at IIT Delhi specifically for the Genomics and Proteomics activities. Human resource development in Bioinformatics has been recognized as an important activity under this network. Towards meeting the needs of trained bioinformatics professionals, various long-term courses namely postgraduate advanced diploma, M. Tech., M.Sc. and Ph.D. courses are being offered at reputed institutions.

**List of Publications:**

**In Peer Reviewed Journals**

- Ganguli, S., Gupta, M. K., Das, S.G and Datta A., (2012) Feature extraction from gene expression data files. International Journal of Engineering Inventions Vol. 1 (2) p. 15-16.
- Ganguli, S., Das, S.G and Datta A., (2012) Using SVM for identifying epigenetic patterns in microsatellites in human sex determining genes and its homologues. Journal of Pharmaceutical Sciences and Research Vol. 4 (1) p. 1692 – 1696
- Nandi, T., Gupta, S., Ganguli, S. and Datta, A., (2012) Structural Analyses of argonaute and its homologues in *Oryza sativa* and *Hordeum vulgare*. International Journal of Biology, Pharmacy and Allied Sciences Vol. 1(9).

**Book Chapters**

- Ganguli, S., Datta A., (2012) Whispering Death – Bioinformatics of RNA Induced Silencing. In “Advances in Life Sciences: Principles and Applications”, STUDIUM PRESS, USA, p. 1 – 21.
- Ganguli, S., Datta A., (2012) Bioinformatics: Sequence, Function and Therapies: A few case studies. In “Advances in Life Sciences: Principles and Applications”, STUDIUM PRESS, USA, p. 203 – 211.

**Conference Attended:**

Sayak Ganguli – Invited speaker and Panelist – Next Generation Sequencing Congress, Asia Singapore; Oct 1- 2, 2012.

**Research Projects initiated under during 2012:**

Title of the Project	Principal & Co-investigator	Funding Agency	Amount	Research Workers
Development of RNAi Information Database (RNAiIDB)	Dr. Abhijit Datta (PI)	DBT, Govt. of India	INR 24,68,200	Moumita Adhikari Manoj Kumar Gupta Vineet Vishal Abhishek Ranjan Bera Pritha Mukhopadhyay
Identification of Conserved Regulatory RNA Structural Elements in HIV-1 Genome and Designing Inhibitory Aptamers	Dr. Abhijit Datta (PI)	DBT, Govt. of India	INR 30,97,332	Sasthi Gopal Das Hirakjyoti Chakraborty Rahul Banik

**Contact Programmes:**

Contact Programme for UG students of host institution - Presidency College/University – Botany, Zoology and Physiology.

## The Presidency University Library

The Annual report covers the period from 1st January, 2012 to 31st December, 2012. The following table shows the new additions made to the different libraries of this institution in respect of books and CDs during the period under review :

### Number of Books purchased in the year 2012

Name of Library	No. of Books
Arts Library (including Hindi )	1076
Science Library	5156
Economics & Political Science Library	399
Centre for Economic Studies Library	x
<b>Total</b>	<b>6631</b>

### Books & CDs Received as Gift during Last Five Years

Year	2008 - 2009	2009-2010	2010 - 2011	2011-2012	2012(March - Dec.)	Total
No. of Books	104	163	124	180	61	632
No. of CDs/DVDs	10	32		14	9	65

**Total Number of Books** : 3, 73,422

**Total Number of Periodicals** : 1, 52,425

**Number of Electronic Non - book Materials** : CDs & DVDs -- 460

### Preservation of Books & Rare Documents

**Binding** : At present the Library has a huge number of books and journals which require immediate binding as no recurring grant for binding of books had been sanctioned by the Government.

**Pest Control** : We have very old and rare collections in our libraries housed in old buildings of the university. So, effective and regular pest control can only save our priceless collections. The Arts Library and the Science Library, which are infested with termites, need special attention.

### Cataloguing of Books and Journals

The work of computerized cataloguing of current books in the Science Library and Economics & Political Science Library are satisfactory. With the introduction of LIBSYS 4 ( Release 5.0 ) software supplied by M/S LibSys Corporation and installation of a powerful server, up-gradation of existing computers and LAN between all the Libraries, the Cataloguing and the Bibliographical control have been achieved. But all the Libraries suffer from dearth of manpower for the work of data-entries. A proposal for data entry of the backlogs has been submitted to the Authority for consideration.

### Library Staff

First, let us look into the present staff members of our Library which should be similar to the staff strength (technical + administrative ) of a university library. Barring the Senior Librarian, who is to look after organization and administration of all Libraries, there were 10 ( Ten ) sanctioned posts of Librarian in the Presidency College Library.

The following chart shows the existing No. of Librarians :

	Existing	Vacant	Total
Senior Librarian	Nil	1	1
Arts Library	1	3	4
Science Library	1	2	3
Economics & Political Science Library	Nil	1	1
Hindi Library	Nil	1	1
Centre for Economics Studies Library	Nil	1	1
<b>Total</b>	<b>2</b>	<b>9</b>	<b>11</b>

The post of catalogner is also lying vacant for a long period.

Other than Librarians there are no Technical, Semi-technical or Group-D posts in the Library. The Establishment Attendants belonging to Group-D category are provided by the authority and they are transferable to other departments.

In view of the increase in the workload of the library consequent on the introduction of PG Courses and new disciplines, proposal for creation of posts of Library Assistants ( Group C ) has been urged number of times. Sufficient number of technical staff, adequately qualified in the field of Library and Information Science background and equipped with knowledge of computer, is immediately required to cope with the changed situation. A number of proposals for recruiting part time Project Assistants, Group C and Group D staff trained to handle computers for smooth running, updating and upgrading library services have been submitted to the Authority for consideration. The need for the additional staff persists after the retirement of five Librarians during the last six years. Moreover, the transfer of two Librarians without substitutes has created a void in the library service.

Considering the ever-growing stock of the library and its related activities the College authority was also requested number of times for the creation of the posts of Library Attendants, Sorters, and Farashes. The posts of Farashes are imperatively needed for exclusive purpose of cleaning and dusting of books and equipment all the year round. A detailed proposal has been sent to the Government for consideration.

For security of valuable books and journals the posts of Darwans for each library are badly needed.

### Miscellaneous

The Science Library was shifted from the first floor of the Derozio Building to the Central Library Building and since July 2008 it has been functioning there. A sizable portion of the annex stack hall of the Arts Library has been converted to a Seminar Hall of the University. As a result the collection of rare and valuable books and journals has found its new home in the Central Library Building. But for lack of sufficient man power the proper arrangement of the collection has not been made possible.

The space available in the reading room of the Arts Library is hardly sufficient. Purchase of new chairs and tables for readers is a crying need and the funding authority should give the matter top priority.

Our youngest and ever enthusiastic Librarian Smt. Soma Basu has been supervising the activities of Presidency Choir, an official group entrusted with the responsibility of performing cultural programme in the University.

### Staff List

#### Librarians

Shri Bijoy De  
Smt. Soma Basu

#### Other Staff

Smt. Rita das  
Shri Prasanta Kumar Mandal  
Shri Swapan Kumar Mukherjee  
Shri Swapan Roy



Smt. Sabitri Barik  
Shri Tiinir Baran Samanta  
Shri Madan Mohan Datta  
Shri Pradip Banerjee  
Md. Shoukat  
Shri Somnath Chatterjee  
Smt. Chameli Das  
Shri Shyamal Tapadar  
Smt. Sulata ( Kundu ) Khan  
Shri Balmiki Prasad  
Imam Rasul  
Shri Srikanta Patra  
Shri Gautam Ray

### Games and Sports Section

The games and sports section of the University has been tireless in its effort to instill awareness among the students, about the importance of Physical activities along with academics.

The Festival Cricket Match between the Past and Present students was held on 14th January 2012. Present students won the match.

The Presidency University Games 2012 will be held on 13-14 Febaury 2013.

#### Staff List:

Non-teaching

Sri Sabitabrata Paul.

## APPENDICES



APPENDICES



Staff List

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## Appendix - 1

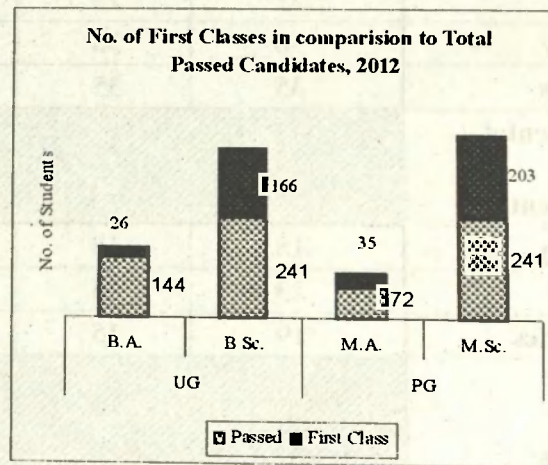
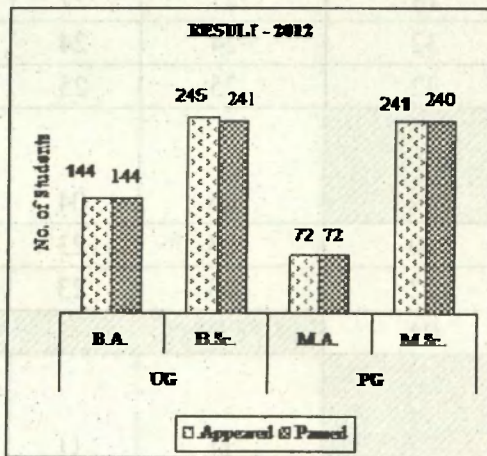
## Synopsis of Results in 2012

Subject	UG			PG		
	Appeared	Passed	Ist Class	Appeared	Passed	Ist Class
Bengali	28	28	04	20	20	10
English	24	24	06	29	29	19
Hindi	25	25	Nil	23	23	06
History	30	30	03			
Philosophy	17	17	06			
Political Science	20	20	07			
Sociology	22	22	08			
Biotechnology						
Botany	22	22	14	27	27	26
Chemistry	36	36	32	24	24	24
Economics	35	35	22	25	25	24
Environmental System Management				05	04	04
Geography	18	18	10	23	23	15
Geology	23	23	22	23	23	23
Mathematics	19	15	04			
Molecular Biology & Genetics				11	11	11
Physics	25	25	19	49	49	25
Physiology	13	13	8	20	20	18
Statistics	16	16	15			
Zoology	16	16	12	28	28	28

## Appendix - 2

### Results at a Glance

Stream	Appeared	Passed	First Class
B.A.	144	144	26
B. Sc.	245	241	166
<b>Under Graduate</b>	<b>389</b>	<b>385</b>	<b>192</b>
M.A.	72	72	35
M.Sc.	241	240	203
<b>Post Graduate</b>	<b>313</b>	<b>312</b>	<b>238</b>



## Appendix - 3

### LIST OF PRIZE WINNERS

#### B. BASED ON THE RESULTS OF B.A./B.SC. PART - I, II & III COMBINED EXAMINATION, 2012 (1+1+1 System)

Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
1.	Debarati Biswas Roll - 252 (Philosophy)	Nirode Baran Bakshi Memorial Prize	First from the College in BA, Hons. Exam. (Except Sanskrit)
	- Do -	Dr. Syamal Kumar Chattopadhyay Memorial Scholarship (Donated by Pradip Kumar Chattopadhyay)	-Do-
	- Do -	Kartick Chandra Mallick Memorial Medal	Highest marks in Philosophy Hons. Exam.
	- Do -	Prof. Prabhas Jiban Chaudhuri Prize (Donated by Ashabori, Ritabari, Ruchira Chaudhuri and Durgadas Bandyopadhyay)	- Do -
2.	Subhanip Biswas Roll - 42 (Chemistry)	Nirode Baran Bakshi Memorial Prize	First from the College in B.Sc. Hons. Exam.
	- Do -	Manaranjan Mitra Memorial Prize (Donated by Prof. Manindra Mitra)	Highest marks in B.Sc. Hons. Exam. Except Mathematics
	- Do -	Priyadarajan Roy Memorial Prize (Donated by Dilip Kumar Roy)	Highest marks in Chem/Physics Hons. Exam.
	- Do -	Cunningham Memorial Prize	Highest marks in Chemistry Hons. Exam.
	- Do -	Acharyya Prafulla Ch. Roy Centenary Prize	-Do-
	- Do -	Prof. Pratul Ch. Rakshit Prize	-Do-
3.	Utso Bhattacharya Roll - 26	Swapan Saha Memorial Prize	Highest marks in Physics Hons. Exam.
	- Do -	Monindranath Saha Memorial Prize (Donated by Binita Roychoudhury)	- Do -
	- Do -	Makhanlal Sarkar Memorial Prize (Donated by Manjari Basu)	- Do -
4.	Abhishek Senapati Roll - 164	Sushil Kumar Banerjee Memorial Medal (Donated by Ranu & Purabi Banerjee)	Highest marks in Mathematics Hons. Exam.
	- Do -	Arabinda Mukhopadhyay Memorial Medal (Donated by Rabibrata Mukherjee & Purabi Mukherjee)	-Do-
	- Do -	Gyanendra Bhushan Mukherjee Prize (Donated by Anil Kumar Mukherjee)	- Do -
	- Do -	Meghnad Saha Memorial Prize (Donated by Shvamsundar Basak)	- Do -
	- Do -	Bibhuti Bhushan Sen Prize (Donated by Prof. Manindra Mitra)	- Do -
	- Do -	Shobhana Devi & Upendra Narayan Bhattacharya Memorial Prize (Donated by Dip Bhattacharya)	- Do -

Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
5.	Abhishek Sengupta Roll - 225	Sushil Kumar Banerjee Memorial Medal (Donated by Ranu & Purabi Mukherjee)	Highest marks in Statistics Hons. Exam.
	- Do -	Prof. Prasanta Ch. Mahalanabis Prize (Donated by Statistics Reunion Festival, 1974)	- Do -
	- Do -	Ahibhushan Chatterjee Memorial Prize (Donated by Samprit Chatterjee)	- Do -
	- Do -	Kankana Chakraborty Memorial Prize (Donated by Nirmalansu Chakraborti and Runa Chakraborti)	- Do -
6.	Shreya Chowdhury Roll - 231	J. C. Nag Memorial Medal	Highest marks in Botany Hons. Exam.
	- Do -	Dhirendra Nath Chatterjee Memorial Prize (Donated by Prof. Tarapada Chatterjee)	-Do-
7.	Priyasmita Ghosh Roll - 344	J.C. Sinha Prize & U.N. Ghosal Prize	Highest marks in Economics Hons. Exam.
	- Do -	Debasish Ch. Memorial Prize (Donated by D. Chandra)	- Do -
8.	Ankur Lahiri Roll - 218	Ahibhushan Chatterjee Memorial Prize (Donated by Samprit Chatterjee)	Second Highest marks in Statistics Hons. Exam.
9.	Rajkumar Sauti Roll - 135	Charusila Devi Prize (Donated by Santosh Kumar Chatterjee)	Seond Highest marks in Mathematics Hons. Exam.
10.	Amrita Ghosh Roll - 154	Ramanuj Pattu Ayanger Memorial Prize	Third Highest marks in Mathematics Hons. Exam.
11.		College Book Prize	Highest marks in Chemistry Hons. among the students admitted in the.1st yr. M.Sc.Class
12.	Payel Chatterjee Roll - 303	Prof. Subodh Ch. Mahalanabis Memorial Prize (Donated by Prof. Sachchidananda Banerjee)	Highest marks in Physiology Hons. Exam.
13.	Sounak Sahu Roll - 354	Aparajita Memorial Medal (Donated by Prof. Dilip Chakraborty)	Highest marks in Zoology Hons. Exam.
	- Do -	Dr. Sivatosh Mookherjee Memorial Prize (Donated by Re-Union Committee, Deptt. of Zoology)	- Do -
14.	Nian Paul Roll - 121	Geographical Institute Prize	Highest marks in Geography Hons. Exam.
15.	Sutanuka Bhattacharjee Roll - 127	Geographical Institute Prize	Highest marks in Geography Hons. Practical Exam.
16.	Tuhin Biswas Roll - 97	Nihar Ranjan Dutta Memorial Prize (Donated by Suryadipta Dutta)	Highest marks in Geology Hons. Exam.
17.	Sohini Chattopadhyay Roll - 71	Kuruvilla Zacharia Memorial Prize	Highest Marks in History Hons. Exam.
	- Do -	Khagendra Pal Chaudhuri memorial Scholarship (Donated by Prof. Joytirmoy Pal Chaudhuri)	- Do -
	- Do -	Himani Devi Memorial Prize (Donated by Kamal Kumar Ghatak)	- Do -
	- Do -	Ajoy Banerjee Memorial Prize	- Do -
	- Do -	Punyalekha Banerjee Memorial Prize (Donated by Atish Ranjan Banerjee)	- Do -
18.	Amrita Mitra Roll - 58	Prof. Amal Bhattacharyya Memorial Prize (Donated by Sukumari Bhattacharya)	Highest marks in English Hons. Exam.

Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
	- Do -	Prof. Tarapada Mukherjee memorial Prize (Donated by Prof. Ashok Mukherjee)	- do -
	- Do -	Taraprasad Mukherjee Silver Medal (Donated by Shyamaprasad Mukherjee)	- do -
	- Do -	Bibhabati Sarkar Memorial Prize (Donated by Manjari Basu)	- do -
	- Do -	Satish Ranjan Banerjee Memorial Prize (Donated by Atish Ranjan Banerjee)	- do -
	- Do -	Prof. Amulyadhan Mukherjee Birth Centenary Plaque (Donated by Sri Amit Mukherjee)	- do -
	- Do -	Jyotish Chandra Roy Memorial Prize (Donated by Syamal Kr. Roy)	- Do -
19.	Souvik Chakraborty Roll - 6	Bibhuti Bhusan Bandyopadhyay Prize (Donated by Prof. Haraprasad Mitra)	Highest marks in Bengali Hons. Exam.
	- Do -	Asutosh Mukherjee Memorial Prize (Donated Syamsundar Basak)	- do -
	- Do -	Prof. Amulyadhan Mukherjee Birth Centenary Plaque (Donated by Sri Amit Mukherjee)	- do -
20.	Maamritaa Nandi Roll - 19	Bani Basu Memorial Prize	Highest marks in Bengali Hons. Exam. among the Girls students
21.	Rituparna Das Roll - 2	- Do -	Second highest marks in Bengali Hons. Exam. among the Girls students
22.	Poulomi Auddy Roll - 104	Rajendra Kishor memorial Prize (Donated by Dr. Nirmal Chandra Basu)	Highest marks in Pol. Sc. Exam.
	- Do -	Naresh Ch. Chakraborty Memorial Prize (Donated by Musical Majumder)	- Do -
	- Do -	Nitish Chandra Chakraborti Memorial Prize (Donated by Prof. Debanjan Chakraborty)	- Do -
	- Do -	Chandan Kumar Bhattacharyya Memorial Prize (Donated by Mrs. Atasi Bhattacharyya)	- Do -
23.	Ahona Sen Roll - 133	Nirmal Ch. Basu Roy Chaudhuri Memorial Prize (Donated by Bela Basu Roy Chaudhuri)	Highest marks in Sociology Hons. Exam.
24.	Sonam Kumari Roll - 152	Akhil Bharatiya Pragatisil Sultanpur Samaj Prize	Highest marks in Hindi Hons. Exam.
25.		Mahadev Maity Memorial Book Prize (Donated by Shyamal Kumar Maity)	Highest marks in B.A./B.Sc. Hons. Exam. among the students of the reserved quota.
26.		Prof. Ram Gopal Bhattacharyya Memorial Scholarship (Donated) by Smt. Purnima Bhattacharyya)	3rd Year Student on merit-cum-mean basis in Chemistry Bio-Chemistry



Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
A. BASED ON THE RESULTS OF B.A./B.SC. PART - I & II (Combined) EXAMINATION, 2012 (1+1+1 System)			
27.	Suparna Banik Roll - 337 (Math)	Kanakprava Devi & Jyotish Ch. Chakroborti Memorial Scholarship (Donated by B.K. Chakraborty)	Highest Marks in B.A./B.Sc. Hons. Exam
	- Do -	Scindia Silver Medal & Gwalior Book Prize	First from the College in B.Sc. (Hons.) Exam.
	- Do -	Dr. Satinath Bagchi Memorial Prize (Donated by Pratul Kumar Bagchi)	Highest marks in Mathematics Hons. Exam.
28.	Sarbajaya Kundu Roll - 3	Jayanta Bijoy De Memorial Scholarship (Donated by Mrs. Sukla De)	Highest marks in Physics Hons. Exam.
	- Do -	Kartick Ch. Mukherjee Memorial Prize	- Do -
	- Do -	Parthasarathi Gupta Memorial Prize (Donated by Prof. Parimal Sen)	- Do -
29.	Sritama Chaudhuri Roll - 121 (Sociology)	Scindia Silver Medal & Gwalior Book Prize	First from the college in B.A. (Hons.) Exam.
	- Do -	Arun Kumar Roy Memorial Prize (Donated by Rita Roy)	- Do -
	- Do -	Harish Chandra Kaviratna Memorial Book Prize	- Do -
	- Do -	Deptt. of Sociology Foundation Fund Prize (Donated by Prof. Prasanta Roy)	Highest Marks in Sociology Hons. Exam.
30.	a) Indrani Ganguly Roll - 17 b) Titas Chatterjee Roll - 5	Arun Sarkar Memorial Medal	Highest Marks in Bengali Hons Exam.
	- Do -	Prof. Haraprasad Mitra Memorial Prize (Donated by Dr Namita Mitra)	- Do -
31.	Shreejita Basak Roll - 76	Raibahadur Debendra Chandra Ghosh Memorial Prize	Highest marks in History Hons. Exam.
	- Do -	Arijit Sengupta Memorial Scholarship	-Do-
32.	Ashmita Mukerjee Roll - 218	Charuchandra Ghosh Memorial Prize	Highest Marks in English Hons. Exam
33.	Sourabhi Mukherjee Roll - 108	Netaji Subhas Ch. Basu Prize (Donated by Shyam Sundar Basak)	Highest marks in Pol. Sc. Hons. Exam.
34.	Annu Yadav Roll - 163	Akhil Bharat Sultanpur Pragatisil Samaj Prize	Highest marks in Hindi Hons. Exam.
35.	Mohana Basu Roll - 119	College Book Prize	Highest marks in Geography Hons. Exam.
	- Do -	Geographical Institute Book Prize	- do -
	a) Mohana Basu Roll - 119 b) Kanaya Datta Roll - 125	Geographical Institute Prize	Highest Marks in Geography Hons. Pract. Exam.
36.	Avishek Rudra Roll - 99	Chandra Nath Maitra Medal	Highest marks in Geology in Exam.
37.	Spandan Kumar Roll - 220	Prasanta Chandra Mahalanabis Prize (Dona- ted by Statistics Reunion Festival 1974)	Highest marks in Statistics Hons. Exam.
38.	Nandini Kundu Roll - 52	Sudip Shome Memorial Prize (Donated by Sudhir Chandra Shome)	Highest marks in Chemistry Hons. Exam.
39.	Ratnamala Mandal Roll - 49	Kunjabihari Basak Medal	Highest marks in Chemistry Hons. Pract. Exam .
40.	Ashutosh Shukla Roll - 289	Prof. Sachchidananda Banerjee Prize (Donated by Physiology Deptt., Presidency College, Kolkata)	Highest marks in Physiology Hons. Exam.
	- Do -	Prof. Achintya Kr. Mukhopadhyay Memorial Prize (Donated by Physiology Deptt. Presidency College, Kolkata)	- Do -

Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
41.	Meghma Bera Roll - 237	Aparajita Chattopadhyay Memorial Prize (Donated by Arun Kumar Chattopadhyay and Purabi Chattopadhyay)	Highest marks in Botany Hons. in Exam.

C. BASED ON THE RESULT OF M.SC. 1ST & 2ND SEMESTER COMBINED EXAMINATION - 2012

42.		Gangadas Sarda Scholarship (Donated by G. S. Sarda)	Highest marks in M.Sc. Geology Exam.
43.		- do -	Second highest marks in M.Sc. Geology Exam.
44.		Sandip Shome Memorial Prize (Donated by Dr. Subir Shome)	Highest marks in M.Sc. Chemistry Exam.
45.		Partha Sarathi Gupta Memorial Prize (Donated by Prof. Parimal Sen)	Highest marks in M.Sc. Physics Exam.
46.		Samir Kumar Ganguly Memorial Scholarship (Donated by Mrs. Shanta Ganguly)	Highest Marks in M.Sc. Physiology Exam.

D. BASED ON THE RESULT OF M.A. / M.SC. PART - I & II COMBINED EXAMINATION - 2012

47.	Ayan Mitra Roll - 22	Prof. Prafulla Ch. Ghosh Memorial Prize	Highest marks in English M.A. Exam.
48.	Apurba Chatterjee Roll - 1	Chandra Narayan Memorial Medal	Highest marks in History M.A. Exam.
49.	Samhita Sanyal Roll - 49	Jibanananda Das Prize (Donated by Prof. Haraprasad Mitra)	Highest marks in Bengali M.A. Exam.
50.	Doyale Bandyopadhyay Roll - 10	Lilabati Roy Memorial Prize (Donated by Debanjan Chakraborty)	Highest marks in Pol. Sc. M.A. Exam.
51.	Angana Chatterjee Roll - 16	Shyamapada Bhattacharyya Memorial Prize (Donated by Prof. Ajit Bhattacharyya)	Highest marks in Philosophy M.A. Exam.
52.	Ekta Hela Roll - 68	Late Chandra Narayan Das (Donated by Kumar Kislay)	Highest marks in M.A. Hindi Examination
53.	Chandan Pal Roll - 236	Parimal Krishna Sen Memorial Prize Donated by Mrs. Ranu Sen	Highest marks in Chemistry M.Sc. Exam.
	- Do -	Priyadarshan Ray Memorial Prize (Donated by Dilip Kr. Ray)	-Do-
	- Do -	Sir Upendra Nath Brahmachari Memorial Prize	-Do-
	- Do -	Cunningham Memorial Prize	-Do-
54.	Titlee Majumder Roll - 155	Prof. Narendra Mohan Basu Memorial Prize (Donated by The Physiological Institute)	Highest marks in Physiology M.Sc. Exam.
	- Do -	Dr. Chitralekha Mukherjee Memorial Book Prize (Donated by Debatri Banerjee)	-Do-
55.	Tamalika Sanyal Roll - 110	Sivatos Mookherjee Memorial Silver Medal (Donated by Aparajita Memorial Charitable Trust)	Highest Marks in Zoology M.Sc. Exam.
56.	Tushar Mouli Chakraborti Roll - 1	Kamalmani Sarma Memorial Prize (Donated by Prof. Manimala Das)	Highest marks in M.Sc. Geology Examination.
57.	Rudra Prasanna Banerjee Roll - 255	Sivatos Mookerjee Memorial Prize (Donated Zoology Deptt.)	Highest Marks in M.Sc. Mol. Bio & Genetics
58.	Khushboo Kumari Roll - 273	Phanindra Nath Memorial Scholarship (Donated by Mrs. Shanta Ganguly)	Highest marks in M.Sc. ESM Exam.
59.	Nidhi Chowdhary Roll - 58	Samir Kumar Ganguly Memorial Scholarship (Donated by Mrs. Shanta Ganguly)	Highest marks in M.Sc. Applied Economics Exam.
60.		Bholanath Das Memorial Prize (Donated by Avijit, Narayan Ch., Shyamapada & Biswanath Das)	Highest marks in B.A. Hons. Exam.

Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
<b>E. BASED ON THE RESULTS OF 1ST &amp; 2ND SEMESTER COMBINED EXAMINATION - 2012</b>			
61.		Suryya Kumar Das Memorial Prize (donated by Manjusree Das) -Do-	Highest marks in History Hons., Exam. Highest marks in B.Sc. Hons. Exam.
		Kanakprava Devi and Jyotish Ch. Chakraborti Scholarship)	Highest marks in B.A./B.Sc. Hons. Exam.
62.		Bijoy Memorial Scholarship	Highest marks in Chem. Hons. Exam.
63.		Surendranath Basu Memorial Prize (Donated by Sasadhar Bose)	Highest marks in B.Sc. Statistics Hons. Exam.
64.		Surendra Basu Memorial Prize (Donated by Utpal Bose)	Second highest marks in B.Sc. Statistics Hons. Exam.
65.		Nirmal Kanti Majumder Memorial Prize (Donated by Mukul Majumder)	Highest marks in Economics Hons. Exam.
66.		-Do-	Highest marks in B.A. Pol.Sc. Exam.
67.		Nistarini Dasi Book Prize	Best performance in the B.Sc. Physics Hons. Laboratory Note Book.
		Geographical Institute Prize	Highest marks in B.Sc. Hons. Exam. in Geography
		-Do-	Highest marks in B.Sc. Geography Hons. Exam. in Practical

**F. OTHER PRIZES AND SCHOLARSHIPS ETC.**

68.	a) Anwasha Das Roll - 70 b) Aritri Chakraborty Roll - 236	Prof. Ashin Das Gupta Memorial Prize (Donated by Dr. Uma Dasgupta)	Most curious student in the History Dept.
69.	a) b) Sanjay Dutta Roll - 267	Bhupendra Das Memorial Scholarship -Do-	Two best students of M.Sc. Mathematics class -Do-
70.		Acharyya Prafulla Ch. Roy Memorial Scholarship	Two students of Chemistry Hons. on merit-cum-means basis
71.		Sukhamoy Chakraborty Memorial Scholarship (Donated by Lalita Chakraborty)	Two students of EHH on merit-cum-means basis
72.		Rajsekhar Basu Memorial Scholarship (Donated by Dipankar Basu)	Two students on merit- cum-means basis
73.		Presidency College Alumni Association Scholarship	Two 3rd yr. Students on merit-cum-means basis
74.		Eden Hindu Hostel Centenary Scholarship	Highest marks in Part II. Exam.
75.	Soumita Mandal Roll - 242 (Botany)	Sukhamay Chakraborty Memorial Scholarship (Donated by Charusila Chakraborty)	3rd Yr. Girls student on merit-cum-means basis in Presidency University Girl's Hostel
76.		Shovik Banerjee Memorial Scholarship (Donated by Geology Honours Students '96-99)	Best Field Geologist at the Honours level.
77.	a) Debarati Biswas Roll - 252 (Philosophy)	Dr. Anil Kumar Bhattacharyya Memorial Prize	Student securing the highest percentage of marks in all exams.

Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
	b) Subhanip Biswas Roll - 58 (Chemistry)	(Donated by Millennium Re-union committee of Statistics Deptt.	(one each in Arts & Science)
78.	Amrita Mitra Roll - 58	Narayan Chandra Ghosh Memorial Prize (Donated by Smt. Bina Ghosh)	Honours Graduate in English securing highest marks in all Examinations
79.	Souvik Chakraborty Roll - 6	Dipak Chandra Ghosh Memorial Prize (Donated Smt. Bina Ghosh)	Honours Graduate in Bengali securing highest marks in all Examinations
80.		Udayan Mukherjee memorial Debate Prize (Donated by Sri Partha Sarathi Sengupta)	Best Debator from the College
81.	Chandan Shaw Roll - 147 (Hindi)	Arnab Biswas Memorial Plaque (Donated by Smt. Saraswati Misra)	Highest percentage of attendance in the 1st Year Honours Class
82.	Subhanip Biswas Roll - 42	Dr. Shyamaprasad Mookerjee Gold Medel (Donated by Arati Bhattacharyya)	Hons. Graduate of the College who has the Highest Scholastic record.
83.	Nidhi Chowdhary Roll - 58 (Appl. Economics)	Late Shri Paramesh Ch. Bhattacharyya Memorial Scholarship	Best student seminar in Science at Post-Graduate Level.
84.	Supama Shaw	Sudipto Ghosh Memorial Research Scholarship (Donated by Mrs. Shukia Ghosh)	Research Scholar fellowship in Physiology
	- Do -	Prof. Sachchidananda Banerjee Contingency Fund. (Donated by Prof. S. Bannerji Felicitation Committee)	Research Contingency Fund
85.	Nidhi Chowdhary Roll - 58 (Appl. Eco.)	Dr. Atul Ch. Biswas Memorial Prize (Donted Dr. Anjan Biswas)	Best All Rounder among the P.G. Students of the College
86.		Ila Mukhopadhyay Memorial Medal (Donated by Prof. Amal Kumar Mukhopadhyay)	Best human Qualities among the students of the college

## Appendix - 4

## LIST OF TRUST FUND

Sl. No.	Name of the Trust Fund	Name of the Donor	Amount
1.	Nirmal Kanti Mazumder Fund	Sri Mukul Ranjan Mazumder	10,000.00
2.	Amal Bhattacharya Memorial Fund	Smt. Sukumari Bhattacharya	5,000.00
3.	Debasish Chandra Memorial Fund	Dr. D. Chandra	5,000.00
4.	Gangadas Sarda Memorial Fund	Sri G. S. Sarda	20,000.00
5.	S. N. Bose Memorial Fund	Sri Sasadhar Bose & Utpal Bose	1,500.00
6.	Rajendra Kishore Memorial Fund	Sri N. C. Basu Roy Chowdhuri	2,000.00
7.	Sudip Some Memorial Fund	Dr. S. C. Some	10,000.00
8.	Prof. S. C. Mahalanbish Fund	Dr. N. Banerjee	5,000.00
9.	Prof. Sachchidananda Banerjee Fund	Physiology Department	6,000.00
10.	Prof. Achintya Kumar Mukherjee Memorial Fund	Physiology Department	4,000.00
11.	Prof. Narendramohon Basu Memorial Fund	Physiology Department	5,000.00
12.	Taraprasad Mukherjee Memorial Fund	Prof. S. P. Mukherjee	5,000.00
13.	N.C. Basu Roy Chowdhuri	Smt. Bela Basu Roy Chowdhuri	5,000.00
14.	Prof. Pratul Chandra Rakshit Fund	Chemistry Department	10,000.00
15.	Netaji Subhas Chandra Bose Fund	Sri Shyam Sundar Basak	2,500.00
16.	Dr Meghnad Saha Memorial Fund	Sri Shyam Sundar Basak	2,500.00
17.	Sir Asuthosh Mukherjee Memorial Fund	Sri Shyam Sundar Basak	2,500.00
18.	Prof. Sukhomoy Chakraborty Memorial Fund	Sukhomoy Chakraborty Memo. Trust	60,000.00
19.	Kartick Chandra Mukherjee Memorial Fund	Smt. Sushmita Mukherjee	10,000.00
20.	Prof. Arun Kumar Roy Memorial Fund	Smt. Rita Roy	25,000.00
21.	Himani Deb Memorial Fund	Sri Kamal Kumar Ghatak	2,500.00
22.	Deptt. of Sociology Foundation Fund	Sri Prasanta Roy	5,000.00
23.	Tarapada Mukherjee Memorial Fund	Sri Ashoke Kumar Mukherjee	5,000.00
24.	Monoranjan Mitra Memorial Fund	Sri Manindra Chandra Mitra	10,000.00
25.	Bibhufibhushan Sen Memorial Fund	Sri Manindra Chandra Mitra	12,000.00
26.	Arijit Sengupta Memorial Fund	Smt. Arati Roy	12,000.00
27.	Akhil Bharatiya Pragatisil Sultanpur Samaj Fund	Sultanpur Samaj	5,000.00
28.	Aparajita Memorial Fund	Sri Dilip Kumar Chakraborty	5,000.00
29.	Dr Satinath Bagchi Memorial Fund	Sri Pratul Kumar Bagchi	5,000.00
30.	Dr Hara Prasad Mitra Memorial Fund	Dr. Namita Mitra	5,000.00
31.	Dr. Pravasijiban Chowdhuri Memorial Fund	Smt. Ashabari Chowdhuri, Hritabari Roy & Smt. Ruchria Mazumdar	4,000.00
32.	Nirodebaran Bakshi Memorial Fund		6,500.00
33.	Pratulla Chandra Ghosh Memorial Fund		4,000.00
34.	Sawpna Saha Memorial Fund		1,000.00
35.	Bijoy Memorial Scholarship Fund		10,900.00
36.	Prof. P. C. Mahalanabish Fund	Re-union Committee 1974 Stat. Dept.	10,000.00
37.	Dhruba Das Athletic Fund		950.00
38.	Donation from Sadlar Hall		1,100.00
39.	Kartick Chandra Mallick Memorial Fund		1,300.00
40.	B.C. Das Scholarship Fund		18,500.00
41.	Chandranath Moitra Medal Fund		500.00
42.	Presidency College Assembly Hall Fund		3,000.00
43.	Un-claimed Deposit Money Fund		1,900.00
44.	Sir Asutosh Memorial Fund		1,700.00

45.	Kuruville Jacharia Memorial Fund		1,29,600.00
46.	J. C. Nag Memorial Fund		600.00
47.	Bani Basu Memorial Prize Fund		1,900.00
48.	Kunja Behari Basak Memorial Fund		200.00
49.	Maharaj Gwalior Medal Fund		900.00
50.	Scindia Silver Medal Fund		3,500.00
51.	Presidency College Graduate Scholarship Fund		4,700.00
52.	Presidency College Graduate Scholarship Fund		1,61,000.00
53.	Arun Sarkar Memorial Fund		1,000.00
54.	Astronomical Society of India Fund		1,000.00
55.	Chandranarayan Gold Medal		1,500.00
56.	B. C. Laha Free Studentship		8,000.00
57.	Girish Chandra Deb Prize Fund		800.00
58.	H. Sil Kabiratna Memorial Fund		400.00
59.	Roy Bahadur Debendrachandra Ghosh Fund		2,000.00
60.	Cunninghum Memorial Fund		2,700.00
61.	Acharya Prafulla Chandra Roy Scholarship Fund		10,300.00
62.	1) T. S. Sterling Stipend Fund	Prof. T.S. Sterling	3,30,000.00
63.	2) T. S. Sterling Stipend Fund	-do-	63,700.00
64.	Principal, Presidency College Fund		4,25,000.00
65.	Charuchandra Ghosh Memorial Fund		1,500.00
66.	Shyamapada Bhattacharyya Memorial Fund	Sri Ajit Kr. Bhattacharya	5,000.00
67.	Nitishchandra Chakraborty Memorial Fund	Sri Debanjan Chakraborty	2,500.00
68.	Nareshchandra Chakraborty Memorial Fund	Sri Debanjan Chakraborty	2,500.00
69.	Lilabati Roy Memorial Fund	Sri Debanjan Chakraborty	2,500.00
70.	Parthasarathi Gupta Memorial Fund	Dr. Parimal Krishna Sen	10,000.00
71.	Ila Mukhopadhyay Memorial Fund	Dr. Amal Kr. Mukhopadhyay	6,000.00
72.	Rajsekhar Basu Memorial Fund	Sri Dipankar Basu	25,000.00
73.	Ajay Chandra Banerjee Memo. Fund	Smt. Manju Banerjee	15,000.00
74.	Chandan Bhattacharya Memo. Fund	Smt. Atashi Bhattacharya	6,000.00
75.	U. N. Ghoshal Memorial Fund		1,500.00
76.	Aparajita Chattopadhyay Memo. Fund	Sri Arun Kr. Chattopadhyay & Smt. Purabi Chattopadhyay	5,000.00
77.	Sushil Kr. Banerjee Memo. Fund	Smt. Ranu Banerjee	30,000.00
78.	Arabindo Memorial Fund	Rabibrata Mukherjee	10,000.00
79.	Ahibhushan Chatterjee Memorial Fund	Sri Samprit Chatterjee	20,000.00
80.	Bholanath Das Memorial Fund	Sri Abhijit Kr. Das, Sri Narayan Chandra, Sri Shyamapada Das & Sri Biswanath Das	5,000.00
81.	Presidency College Magazine Endowment Fund		1,40,000.00
82.	Presidency College Fund for College Function and Seminars		35,000.00
83.	Annual Prizes-in-Geography,	Geography Department	7,500.00
84.	Ramanuj Pattu Ayengar Memo. Fund	Smt. Sarju Ayengar	5,000.00
85.	Late Makhun Lal Sarkar Prize Fund	Smt. Manjari Basu	5,000.00
86.	Late Bibhabati Sarkar Prize Fund	-do-	5,000.00
87.	Ashin Dasgupta Book Prize	Smt. Uma Dasgupta	15,000.00
88.	Centenary Scholarship Fund, Govt. College, Hindu Hostel		15,000.00
89.	Dhirendranath Chatterjee Memo. Fund	Tarapada Chatterjee	10,000.00
90.	Prof. Shyamal Kr. Chattopadhyay Memo. Fund	Pradip K. Chattopadhyay	89,000.00
91.	Nihar Ranjan Dutta Merno Fund	Sri Suryadipta Datta	13,000.00
92.	Shyamaprasad Mukherjee Gold Medal	Smt. Arati Bhattacharya	50,000.00
93.	Priyadarshan Roy Book Prize	Sri Dilip Kr. Roy	32,000.00
94.	Late Harendralal Basak Memorial Lecture	Dr. Bijoy Shankar Basak	5,00,000.00
95.	Monindra Nath Saha Memorial Prize	Dr. Binata Roy Choudhury	15,000.00
96.	Satish Ranjan Banerjee Memorial Prize	Sri Atish Ranjan Banerjee	20,000.00

**Prasangiki '13**

97.	Punyalekha Banerjee Memorial Prize	- Do-	20,000.00
98.	Jyotish Chandra Roy Memorial Prize	Sri Shyamal Kumar Roy	1,200.00
99.	Prof. Anil Kr. Bhattacharya Memo. Prize	Millennium Re-Union Committee of Statistics Department, Presidency College	10,000.00
100.	Prof. Amulyadhan Mukherjee Centenary Fund	Sri Amit Mukherjee	15,000.00
101.	Late Amab Biswas Memorial Medal	Smt. Saraswati Misra	10,000.00
102.	Shovik Banerjee Memorial Scholarship	Geology Honours Students '96-99	11,000.00
103.	Mahadev Maity Memorial Trust Fund	Sri Shyamal Kumar Maity	10,000.00
104.	Sudipto Ghosh Memorial Research Fund	Mrs. Shukla Ghosh	5,00,000.00
105.	Prof. Sachchidananda Bannerji Research Contingency Fund	Prof. S. Banerjee Felicitaton Committee	1,20,000.00
106.	Narayan Chandra Ghosh Memorial Endowment	Smt. Bina Ghosh	25,000.00
107.	Dipak Chandra Ghosh Memorial Endowment	- Do-	25,000.00
108.	Udayan Mukherjee Memorial Debate Endowment	Sri Partha Sarathi Sengupta	1,00,000.00
109.	Sir Upendranath Brahmachari Memorial Fund	Dr. U.N. Brahmachari Memorial Trust	10,000.00
110.	Bani Bakshi Foundation Endowment	Sri P.R. Rakshit, Chairman Bani Bakshi Foundation	46000.00
111.	Kanak Prava Devi and Jyotish Chandra Chakroborty Memorial Fund	Dr. B. K. Chakraborty	1,00,000.00
112.	Prof. Sivatosh Mookherjee Medal	Aparajita Memorial Charitable Trust	5,000.00
113.	Chandra Narayan Das Memorial Trust	Sri Kumar Kislay	10,000.00
114.	Shobhana Devi and Upendra Narayan Bhattacharya Memorial Endowment	Prof. Dip Bhattacharya	1,00,000.00
115.	Kamalmani Sharma Memorial Endowment	Prof. Manimala Das	50,000.00
116.	Suryya Kumar Das Memorial Trust	Smt. Manjusree Das, Sri Amit Kumar Das & Sri Sumit Kumar Das	25,000.00
117.	Jayanta Bijoy De Memorial Scholarship Fund	Smt. Shukla De	2,25,000.00
118.	Chitralkha Mukherjee Memorial Fund	Smt. Debatrri Banerjee	25,000.00
119.	Poor Student's Endowment Fund	Presidency College	2,50,000.00
120.	Gymnasium, Games and sports Endowment Fund		3,50,000.00
121.	Choir, Prasangiki and Misc. Endowment Fund		2,00,000.00
122.	Prof. Parimal Krishna Sen Memorial Endowment Fund	Mrs. Ranu Sen	25,000.00
123.	Dr. Atul Chandra Biswas Memorial Endowment Fund	Dr. Anjan Biswas	50,000.00
124.	Prof. Shyamal Kr. Chattopadhyay Memorial Fund	(2) Sri Propid K. Chattopadhyay	45,000.00
125.	Prof. Sivatosh Mookerjee Memorial Trust Fund	Reunion Committee, Zoology Dept.	25,000.00
126.	Late Paramesh Chandra Bhattacharjee Endowment	Sri Pushpak Bhattacharjee	40,000.00
127.	Prof. Sivatosh Mookherjee Memorial Trust Fund in Molecular Biology	Zoology Department	25,000.00
128.	Late Phanindranath Mukherjee Memorial Fund.	Smt. Shanta Ganguly	66,000.00
129.	Late Samir Kumar Ganguly Memorial Fund in Physiology	Smt. Shanta Ganguly	66,000.00
130.	Late Samir Kumar Ganguly Memorial Fund in Applied Economics	Smt. Shanta Ganguly	66,000.00
131.	Late Khagendra Pal Chaudhuri Memorial Fund in History	Prof. Jyotirmoy Pal Chaudhuri	25,000.00
132.	Late Ramgopal Bhattacharyya Memorial Fund in Chemistry and Biochemistry	Smt. Purnima Bhattacharyya	1,00,000.00
133.	Late Kankona Chakraborty Memorial Endowment in Statistics	Sri Nirmalansu Chakraborty and Smt. Runa Chakraborty	56,36,850.00
* Interest on Endowments			3,00,000.00
<b>GRAND TOTAL</b>			<b>56,36,850.00</b>

## Appendix -5

### Details of B.A./B.Sc. Admission 2012

SUBJECT	Distribution of Seats				No. of Applicants
	GENERAL	SC	ST	TOTAL	
Bengali	21	07	02	30	600
English	21	07	02	30	1928
Hindi	29	04	0	33	149
History	25	08	02	35	527
Philosophy	21	07	02	30	150
Political Science	17	06	02	25	552
Sociology	18	05	01	24	630
Biochemistry	07	02	01	10	322
Botany	18	06	02	26	500
Chemistry	29	10	03	42	1670
Economics	29	09	02	40	873
Geography	15	04	01	20	600
Geology	17	06	02	25	857
Mathematics	29	09	02	40	1460
Physics	29	09	02	40	2246
Physiology	18	05	01	24	976
Statistics	15	04	01	20	394
Zoology	17	06	02	25	1900



### Details of M.A./M.Sc. Admission 2012\*

SUBJECT	Distribution of Seats				No. of Applicants
	GENERAL	SC	ST	TOTAL	
Bengali	21	07	02	30	239
English	21	07	02	30	486
Hindi	28	09	3	40	75
History	24	08	03	35	112
Philosophy	21	07	02	30	50
Political Science	21	07	02	30	130
Sociology	17	05	02	24	48
Biotechnology	7	02	01	10	154
Botany	18	06	02	26	288
Chemistry	21	07	02	30	718
Applied Economics	18	06	02	26	271
Environmental Systems Management	14	04	02	20	77
Geography	18	06	02	26	395
Applied Geology	14	04	02	20	85
Mathematics	14	04	02	20	545
Molecular Biology And Genetics	14	04	02	20	196
Physics	21	07	02	30	502
Physiology	14	04	02	20	117
Statistics	14	04	02	20	78
Zoology	21	07	02	30	564

\* Figures reflect the consolidated number appearing direct admission as well as admission through admission test.

## Appendix-6

### OFFICE OF THE VICE CHANCELLOR PRESIDENCY UNIVERSITY

**Hon'ble Vice-Chancellor: Professor Malabika Sarkar**

**Registrar**

Prof. Prabir Dasgupta

**Finance Officer**

Sri Biswanath Maiti

**Controller of Examination**

Dr. Debajyoti Konar

**Dean of Students' Affair**

Dr. Debashruti Roychowdhury

**Officer on Special Duty**

Prof. Amit Kumar Ray

**Accounts Officer**

Sri Chanchal Bhattacharyay

**Office of the Vice-Chancellor**

Sri Anirban Chakraborty

Smt Parijat Chakraborty

Sri Shah Alam

**Office of the Registrar**

Smt. Joyinee Ganguly

Smt. Debarati Sen

**Office of the Finance Officer**

Smt Ankita Dasgupta

Smt Poulami Seal

Sri Arun Dutta

**Office of the Dean of Students' Affair**

Smt Babita Mishra

**Existing Staff Position of the Administrative Office & Departments**

Sri Taraknath Prasad

Sri Ardhendu Bepari

Sri Sankar Banerjee

Sri Mrinal Kanti Sengupta

Sri Sanjib Dhar

Sri Kalyan Chakraborty

Sri Ganesh Thakur

Sri Joydev Das

Sri Susanta Roy

Sri Biswajit Das

Smt. Rita Das

Sri Tapas Kr. Banerjee

Sri Alope Kr. Dey

Sri Subrata Das

Sri Samir Debnath

Sri Sankar Sardar

Sri Tushar Chakraborty

Sri Pradip Das

Smt. Sikha Dasgupta

**Technical Assistant**

Sri Sukumar Samanta

**Draftsman**

Sri Biren Bandyopadhyay

Sri Pratul Ranjan Chakraborty

**Instrument Keeper**

Sri Kwaja Moinul Haque

Smt. Pratima Halder

Sri Rintu Dey

**Artist-Cum-Record keeper**

Sri Tarun Kanti Roy

**Electrician**

Sri Amitabha Bhar

**Carpenter**

Sri Haren Chandra Baidya

**Driver**

Sri Rajendra Singh, Sri Taraknath Pradhan, Sri Haribandhu Hira

**Existing Assisting Staff Position of the Administrative Office and Departments**

**Establishment Attendant.**

Sri Rammurat Pr. Rangwa  
Sri Mohanlal Rangwa  
Sri Keshab Ch. Roy  
Sri Swapan Kr. Mukherjee  
Sri Shyamal Kanti Singha  
Smt. Sabitri Barik  
Sri Madan Mohan Dutta  
Smt. Puspa Rani Dey  
Smt. Shilarani Ghosh (Das)  
Pradip Banerjee  
Sri Dilip Kr. Bir  
Sri Arun Moitra  
Sri Netai Ch. Dey  
Sri Bahmiki Prasad  
Sri Sambhu Nath Das  
Sri Dilip Hazra

Sri. Prasanta Kr. Mandal  
Sri Bijoy Kr. Barik  
Sri Gobinda Ch. Nath  
Sri Shyama Pr. Basu  
Md. Delambia  
Sri Swapan Kr. Roy  
Sri Timir Baran Samanta  
Sri Md. Shaukat  
Sri Sisir Singha  
Sri Shyam Sundar Prasad  
Sri Goutam Dutta  
Sri Somnath Chatterjee  
Sri Bijoy Singh  
Sri Kartick Ch. Sarkar  
Sri Hanuman Prasad Dhuria  
Smt. Susama Barik

Smt. Chameli Das  
Sri Sushil Kr. Barik  
Sri Pradip Kr. Das  
Sri Dipak Kr. Roy  
Sri Rajkumar Ghosh  
Sri Samar Nath Sur  
Sri Pranabbrata Guhathakurata  
Sri Sabitabrata Paul  
Smt. Sulata Kundu (Khan) Sri  
Smt. Karabi Das  
Sri Susanta Roy  
Sri Biplab Sarkar  
Sri Shibu Hansda  
Sri Dibyendu Mazumdar  
Smt. Jharna Sarkar  
Sri Putul Chattopadhyay

**Skilled Bearer**

Sri Khangendra Nath Jana  
Sri Babulal Das  
Sri Ramnath Prasad  
Sri Kashinath Mondal

Sri Haradhan Saha  
Sri Tapan Kr. Bhanja  
Sri Ananta Kr. Barik  
Sri Kartick Ch. Das

Sri Kamalesh Mondal

**Peon**

Sri Narayan Ghosh

**Bearer**

Sri Sunil Ch. Barua

**Library Bearere**

Sri Immam Rasul

**Bell Man**

Sri Bishu Adhikary

**Section Cutter**

Sri Chittaranjan Chatterjee

**Specimen Collector**

Sri Sukumar Barua

**Boiler Attendant**

Sri Ashok Kr. Nayek

**Mali**

Sri Kalipada Jana / Sanat Nandi / Asish Maity

**Darwan**

Sri Santosh Singh / Sanjoy Kr. Dey

**Night-Watchman**

Sri Sanat Sil / Santosh Hansda / Ajoy Sil

Sri Ashutosh Choudhury / Shyamal Tapadar

**Sweeper**

Sri Sankar Hela (1)

Sri Sankar Hela (2)

Smt. Sumati Hazra

Sri Raja Hela

Smt Santi Hela

Sri Goutam Roy

Sri Bablu Hela

Smt. Maya Hazra

Sri Harabilash Balmiki

Sri Kartick Hela

Smt. Bina Hela

Sri Basudeb Hela

Sri Mongal Hazra

Sri Ghanashyam Hela

Sri Ramnarayan Hela

Sri Lalit Mohan Hazra

Smt. Radha Hela

Sri Srikanta Patra

Sri Abdul Sovan Khan

## Appendix - 7

### MEMBERS OF THE PRESIDENCY UNIVERSITY COUNCIL

- Chancellor** : Hon'ble Governor, West Bengal  
Shri M.K. Narayanan
- Vice-Chancellor** : Prof. Malabika Sarkar
- Nominated Members** :
- Prof. Sugata Bose  
Gardiner Professor of History, Harvard University
  - Dr. Bikash Sinha  
Eminent Scientist, Variable Energy Cyclotron Centre,  
Kolkata
  - Prof. Suranjan Das  
Vice-Chancellor, University of Calcutta
  - Dr. Isher Judge Ahluwalia  
Indian Council for Research on International Economic  
Relations
  - Prof. Abhijit Banerjee  
Ford Foundation International Professor of Economics  
Massachusetts Institute of Technology
  - Prof. Janak Pandey  
Vice-Chancellor, Central University of Bihar, Patna
  - Prof. Swapan Chakraborty  
Director, National Library
  - Prof. H.A. Ranganath  
Director General, National Assessment and Accredita-  
tion Council, Bangalore
  - Prof. Mushirul Hasan  
Director General, National Archives of India, New Delhi

- : Prof. Himadri Pakrasi  
Freiburg Professor and Director, International Center for  
Advanced Renewable Energy and Sustainability,  
Washington University
- : Prof. Ashoke Sen  
Professor of Physics, Harish Chandra Research Insti-  
tute, Allahabad
- : Prof. Sabyasachi Bhattacharya  
Former Director, TIFR, Mumbai and NCBS, Bangalore
- : Prof. Nayonjot Lahiri  
Former Dean of Colleges, Delhi University
- : Prof. Rahul Mukherjee  
Professor of Statistics, Indian Institute of Management,  
Kolkata

**Ex-officio Members**

- : The Member Secretary,  
West Bengal Council of Higher Education, Kolkata
- : The President,  
West Bengal Council of Higher Secondary Education,  
Kolkata
- : The Principal Secretary to the Government of West  
Bengal, Department of Higher Education, Kolkata
- : The Secretary to the Government of West Bengal,  
Department of Finance, Kolkata
- : Registrar,  
Presidency University, Kolkata

## Notes

Young Professor and Director, International Center for

Washington University

for Adolf Sch

Professor in Physics, Harish Chandra Research Inst

Aligarh

For Subhaschri Bhattacharya

Former Director, IIS, Mumbai and NCBS, Bangalore

For Kalyani Lahiri

Former Dean of College, Delhi University

For Kalyani Lahiri

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