



Dedicated
To
My Parents

Acknowledgement

It is the supreme blessings of the almighty GOD that have nurtured me throughout my entire life, and helped me to achieve whatever I have achieved. At the end of thesis I would like to thank all those people whose criticism, comments, encouragement, and constant support have left an indelible imprint on this work.

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Prosenjit Saha

June, 2021

Declaration

I hereby declare that this thesis contains original research work carried out by me under the guidance of Dr. Arnab Halder, Associate Professor, Department of Chemistry, Presidency University, Kolkata, India as a part of the PhD programme.

All information in this document have been obtained and presented in accordance with academic rules and ethical conduct.

I also declare that, as required by this rules and conduct, I have fully cited and referenced all materials and results that are not original to this work.

I also declare that, this work has not been submitted for any degree either in part or in fully to any other institute or University before.

Prasenjit Saha
23.06.2021

Signature of the candidate with date

Certificate

This is to certify that the thesis entitled "Tunable Luminescence of Graphene Based Nanomaterials: Role of Surfactants and Macromolecules " submitted by Shri Prosenjit Saha who registered for PhD programme under my supervision (Registration Number R-15RS205140072 and date of registration 21/12/2016) and that neither his thesis nor any part of the thesis has been submitted for any degree/diploma or any other academic award anywhere before.

 23/06/2024

Signature of the supervisor with date and official stamp

Dr. Arnab Halder

