

## **Publications in related field**

### **Published (International)**

Mukhopadhyay, K., Ghosh, A., Das, S.K., Show, B., Sasikumar, P. and Ghosh, U.C., 2017. Synthesis and characterisation of cerium (IV)-incorporated hydrous iron (III) oxide as an adsorbent for fluoride removal from water. *RSC Advances*, 7(42), pp.26037-26051. doi: 10.1039/C7RA00265C.

Mukhopadhyay, K., Ghosh, U.C. and Sasikumar, P., 2019. Enhanced capacity of fluoride scavenging from contaminated water by nano-architectural reorientation of cerium-incorporated hydrous iron oxide with graphene oxide. *Environmental Science and Pollution Research*, doi.org/10.1007/s11356-019-05756-0

### **Communicated**

One-pot synthesis of  $\beta$ -cyclodextrin amended mesoporous cerium(IV) incorporated ferric oxide surface towards the evaluation of fluoride removal efficiency from contaminated water for point of use.

### **Presentation at International Conference**

Mukhopadhyay, K., Ghosh, U.C. and Sasikumar, P. Cost Effective Application of Economically Viable Mixed Metal Oxides as Water Purifier: Removal of Fluoride, in Particular. 5<sup>th</sup> International Conference on Advanced Nanomaterial and Nanotechnology (ICANN-2017), IIT Guwahati, Assam, India, Dec 18-21, 2017.

## **Presentation at National Conferences**

Mukhopadhyay, K., Das, S.K., Ghosh, U.C. Bi-metal Oxides Composites and their Pollution Scavenging Properties: A Glimpse. (ISBN NO. No. 978-98-5230-124-9). Paper presented at 3rd National Conference on Water, Environment and Society 2016 (NCWES 2016). *Organized by* Centre for Water Resources, Institute of Science and Technology, Jawaharlal Nehru Technological University, Hyderabad, India, June 5-7, 2016.

Mukhopadhyay, K., Ghosh, U.C., Chakrabarti S. Performance of Metal Oxide Nanoaggregates as Fluoride filtration media pack in Domestic Filters: AN Appraisal (ISBN NO. -9789383635870). Paper accepted at 2nd National Conference on Water Environment and Society 2015 (NCWES 2015). Organized by Centre for Water Resources, Institute of Science and Technology, Jawaharlal Nehru Technological University, Hyderabad, India, July 30-31, 2015