

## 6. List of publications:

1. Bora, A. J., Gogoi, S., Baruah, G., and Dutta, R. K. Utilization of co-existing iron in arsenic removal from groundwater by oxidation-coagulation at optimized pH. *Journal of Environmental Chemical Engineering*, 4: 2683–2691, 2016.
2. Bora, A. J., Mohan, R., and Dutta, R. K. Simultaneous removal of arsenic, iron and manganese from groundwater by oxidation-coagulation-adsorption at optimized pH. *Water Science and Technology: Water Supply*, 18: 60-70, 2017.
3. Bora, A. J. Dutta, R. K. Arsenite removal from water by oxidation-coagulation treatment using different oxidizing agents. *Journal of Water Chemistry and Technology*, In press, 2019.
4. Bora, A. J. Dutta, R. K. Removal of heavy metals - Pb, Cd, Cu, Cr, Ni, and Co from drinking water by oxidation-coagulation-adsorption at optimized pH. *Journal Water Process Engineering*, 31:1-9, 2019.
5. Mohan, R., Bora, A. J., Dutta, R. K. Fluoride removal from water by lime-sludge waste. *Desalination and Water Treatment*, 112: 19–33, 2018.
6. Hussain, I., Bora, A. J., Sarma, D., Ahamad, K. U., and Nath, P. Design of a Smartphone Platform Compact Optical System Operational Both in Visible and Near Infrared Spectral Regime. *IEEE Sensors Journal*, 18(12): 4933-4939, 2018.
7. Mohan, R., Gogoi, S., Bora, A. J., Barua, G., Bordoloi, S., Ali, A. A., Sarma, H. R., Dutta, R. K. Field Experience of Fluoride Nilogon: a Magical Method of Fluoride Removal from groundwater, *Current Science*, 118: xx-xx, 2020, in press.

## 7. Conferences and Workshops:

1. National Conference on Frontiers at the Chemistry-allied Sciences Interface, University of Rajasthan, 13-14 March, 2015
2. National Seminar on Advances in Materials Science, Department of Physics, Gauhati University, 24 - 25 March, 2017
3. International Conference on Light and Light-based Technology, Tezpur University, 26-28 Nov, 2016
4. Workshop on Arsiron Nilogon and Fluoride Nilogon, Tezpur University, 24-25 Feb, 2018.
5. Workshop on Arsiron-Nilogon: Sustainable supply of chemicals to the users, Department of Chemical sciences, Tezpur University, 17 July, 2016
6. UGC-SAP Workshop on Fluoride Nilogon in Dengaon, Karbi Anglong, Assam, Department of Chemical Sciences, Tezpur University, 25 March
7. UGC-SAP National Conference on Contemporary Development in Chemical Sciences, Tezpur University, 23-24 Nov, 2015.