

Mamon Sarkar
Research Chemist



RESEARCH INTEREST

Cellulose Chemistry, Biorefinery, Environmental Chemistry, Synthetic Chemistry

CONTACT

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EDUCATION

MSc, Chemistry, Jagannath University, 2010

PUBLICATINS

1. M. S. Jahan, M. M. Rahman and **M. Sarkar**, 2016. Recycling of Old Corrugated Cardboard (OCC) into dissolving pulp. *Cellulose*, 23(3), 2039-2047.
2. M. S. Jahan, **M. Sarkar** and M. M. Rahman 2016. Pulping and Papermaking Potential of Bamboo and *Trema Orientalis* Chips Mixture. *Cellulose chemistry and Technology* (Accepted).
3. K. S. Ahmed, A. k. M. L. Rahmaan, **M. Sarkar**, J. B. Islaam, I. A. Jahan, M. Moniruzzamaan, B. Saha and N. C. Bhoumik, 2016. Assessment on the level of contamination of Turag river at Tongi area in Dhaka. *Bangladesh Journal of Scientific and Industrial Research*, 51(3):193-202.
4. **M. Sarkar**, J. B. Islam and S. Akter, 2016. Pollution and ecological risk assessment for the environmentally impacted Turag River, Bangladesh. *Journal of Material and Environmental Science*, 7(7), 2295-2304.
5. **M. Sarkar**, AKML Rahman, and NC Bhoumik, 2016. Remediation of chromium and copper on water hyacinth (*E. crassipes*) shoot powder. *Water Resources and Industry* (accepted).

6. M. S. Jahan, **M. Sarkar** and M. M. Rahman 2015. Sodium carbonate pre-extraction of bamboo prior to soda-anthraquinone pulping. *Biomass Conversion and Biorefinery*, 5(4), 417-423.
7. M. S. Jahan, **M. Sarkar**, M. M. Rahman 2015. Sodium carbonate pre-extraction of *Trema orientalis* in the production of paper grade pulp. *Drewno*, 58(195), 69-78.
8. **M. Sarkar**, A. K. M. L. Rahman, J. B. Islam, K. S. Ahmed, M. N. Uddin, N. C. Bhoumik 2015. Hydrochemistry of Water Quality Parameters and Toxic Metals in the Buriganga River, Dhaka, Bangladesh. *Bangladesh Journal of Scientific and Industrial Research*, 50(2), 123-134.
9. **M. Sarkar**, J. B. Islam, K. S. Ahmed, A. K. M. L. Rahman, B. A. Begum 2015. Evaluation of Transboundary Impact on Air Pollution in a Rural Area Shyamnagar, Bangladesh. *Mesopotamia Environmental Journal*, 2(1), 15-21
10. B. A. Begum, K. S. Ahmed, **M. Sarkar**, J. B. Islam and A. K. M. L. Rahman 2015. Status of ambient particulate matter and black carbon concentrations in Rajshahi air, Bangladesh. *Journal of Bangladesh Academy of Science*, 39(2), 147-155.
11. J. B. Islam, **M. Sarkar**, A. K. M. L. Rahman and K. S. Ahmed, 2015 Quantitative assessment of toxicity in the Shitalakkhya River, Bangladesh. *Egyptian Journal of Aquatic Research*, 41(1), 25-30.
12. M. Matin, M. M. Rahaman, J. Nayeem, **M. Sarkar**, M. S. Jahan 2014. Dissolving Pulp from Jute Stick. *Carbohydrate Polymers*, 115, 44-48.
13. J. B. Islam, A. K. M. L. Rahman, **M. Sarkar**, K. S. Ahmed and B. A. Begum 2014. Particulate Matter and Black Carbon Concentration in Ambient Air of an Urban-Traffic Influenced Site at Farm Gate, Dhaka, Bangladesh. *Jagannath University Journal of Science*, 2(II), 87-96.

AWARDS

- Professor Nurul Afsar Khan Fellowship, Bangladesh Council of Scientific and Industrial Research, 2013

PRESENTATIONS

1. **M. Sarkar**. Pulp and Paper Research in Bangladesh-An Overview. Poster Presentation. China International paper technology exhibition (IPTE), Shanghai, China, October 10-13, 2016.
2. **M. Sarkar**, J. B. Islam and S. Akter. Pollution and ecological risk assessment for the environmentally impacted Turag River, Bangladesh. Poster presentation, 16 Asian Chemical Congress, BUET, Bangladesh, 16-19 March, 2016.
3. **M. Sarkar**, J. B. Islam, K. S. Ahmed, A. K. M. L. Rahman and B. A. Begum. Status on PM and BC in the air of Shyamnagar City. Oral presentation, Physical society conference, BAEC, Dhaka, Bangladesh, 6-8 March, 2014.

PROFESSIONAL ACTIVITIES

- Life Member of Bangladesh Chemical Society