

**Md. Mostafizur Rahman**  
**Senior Scientific Officer**



**Research interest**

Pulping, Wood and Fiber Chemistry

**Contact**

Pulp and Paper Research Division, BCSIR Laboratories, Dhaka  
Dr. Quadrat-i-Khuda Road, Dhaka-1205, Bangladesh  
☎: 880-01737683668 ✉: mmrbcsir@yahoo.com

**Education:**

Master of Science in Organic Chemistry in 2004  
University of Rajshahi

Bachelor of Science in Chemistry in 2003  
University of Rajshahi

**Professional Experienced**

Scientific Officer    November 2006 to January 2013

Senior Scientific Officer    January 2013 to Present

**Publications**

1. Variation of morphological and chemical properties of three varieties of jute stick.  
M Mostafizur Rahman, S Siddiqua, F Akter, M Sarwar Jahan, MA Quaiyyum,  
Bangladesh J. Sci. Ind. Res. 51(4), 307-312, 2016
2. Dissolving pulp from white press cuttings  
Md. Sarwar Jahan, Rajesh Chandra Deb, M. Mostafizur Rahaman, M.A.  
Quaiyyum, Tappi Journal 15(4):277-282, April 2016
3. Upgrading old corrugated cardboard (OCC) to dissolving pulp  
M. Sarwar Jahan, M. Mostafizur Rahman, Mamon Sarkar, 11 March 2016,  
*Cellulose*: 1-9

4. Sodium carbonate pre-extraction of *Trema orientalis* in the production of paper grade pulp  
Md. Sarwar Jahan · Mamon SARKAR · M. Mostafizur RAHMAN, *Drewno: prace naukowe, doniesienia, komunikaty* 58.195 (2015): 69-78
5. Ethylenediamine in alkaline cooking of jute stick for producing dissolving pulp,  
Md. Sarwar Jahan · Halima Rahman · Purabi Rani Samaddar · Mostafizur Rahman, *Bangladesh Journal of Scientific and Industrial Research* 50.1 (2015): 7-14
6. Sodium carbonate pre-extraction of bamboo prior to soda-anthraquinone pulping  
M. Sarwar Jahan · Mamon Sarkar · M. Mostafizur Rahman, *Biomass Conversion and Biorefinery* 5.4 (2015): 417-423
7. Dissolving pulp from jute stick  
Mhafuza Matin · M. Mostafizur Rahaman · Jannatun Nayeem · Mamon Sarkar · M. Sarwar Jahan, *Carbohydrate polymers* 115 (2015): 44-48
8. Fractionation of rice straw for producing dissolving in biorefinery concept  
Md. Sarwar Jahan · Shrikanta Sutradhar · M. Mostafizur Rahman · M. A. Quaiyyum, *NORDIC PULP & PAPER RESEARCH JOURNAL* 30.4 (2015): 562-567
9. Variation of chemical and morphological properties of different parts of banana plant (*Musa paradisiaca*) and their effects on pulping  
M. Mostafizur Rahmana, Tohirul Islamb Jannatun Nayeema, M Sarwar Jahana, *Int. J. Lignocellulosic Products* 1.2 (2014): 93-103
10. Evaluation of mulberry plant as a pulping raw material  
M. Mostafizur Rahman & M. Sarwar Jahan, *Biomass Conversion and Biorefinery* 4.1 (2014): 53-58
11. Nonwood pulping: use of jute cuttings and caddis in Bangladesh  
M. Sarwar Jahan, Sumon Ghosh, M. Mostafizur Rahman, Yonghao Ni, *TAPPI Journal*, September 2013, Vol. 12 No.9
12. Comparative study on the prebleaching of bamboo and hardwood pulps produced in Kharnaphuli Paper Mills  
Md. Sarwar Jahan, Md.Milton Hosen, Md. Mostafizur Rahman, *Turk J Agric For* (2013) 37: 812-817
13. Characterization and evaluation of okra fiver(*Abelmoschus esculentus*) as a pulping raw material  
M. Sarwar Jahan, Moshikur Rahman and M. Mostafizur Rahman, *J-FOR* 2.5 (2012): 12-17
14. A biorefinery initiative on producing dissolving pulp from dhaincha (*sesbania aculeata*) plant -a short rotation crop  
M. Sarwar Jahan and M. Mostafizur Rahman, *Cellulose Chem. Technol.*, 46 (5-6), 375-380 (2012)
15. An integrated biorefinery initiative in producing dissolving pulp from agricultural wastes  
M. Sarwar Jahan & Naznin Sultana, M.Mostafizur Rahman & A. Quaiyyum, *Biomass Conversion and Biorefinery* 3.3 (2013): 179-185
16. Effect of pre-hydrolysis on the soda-anthraquinone pulping of corn stalks and *saccharum spontaneum* (Kash)

- Jahan, M.S and Rahman, M.M, *Carbohydrate Polymers* 88 (2012) 583– 588
17. Effect of Pre-extraction on Soda-Anthraquinone (AQ) pulping of Rice straw  
M. Sarwar Jahana, M. Shamsuzzamana, M. Mostafizur Rahmana, S.M. Iqbal Moeizb, Y. Ni, *Industrial Crops and Products*, 37(2012) 164-169.
  18. Extraction and Characterization of Cellulose Microfibrils from Agricultural wastes in an Integrated Biorefinery Initiative  
M. Nuruddin· A. Chowdhury, S.A. Haque, M. Mostafizur Rahman, S.F. Farhad, M. Sarwar Jahan and M. A. Quaiyyum, *Cellulose Chem. Technol.*, 45 (5-6), 347-354 (2011)
  19. Effect of Pre-extraction on the Pulping and Papermaking Properties of Short Rotation *Trema orientalis*  
M. Sarwar Jahan, Mostafizur Rahman, M. Nuruddin, S.A. Haque and A. Chowdhury, *Indian J. Ecol.* (2011) 38 (Special Issue) : 35-40
  20. Evaluation of rubber wood(*Heavea prasiliensis*) as a raw material for kraft pulping  
M. Sarwar Jahan, M. M. Haider, Mostafizur Rahman, D. Biswas, M. Misbahuddin and G. K. Mondal, *Nordic pulp and paper Research Journal*, Vol.-26, no.3/2011.