

Dr. Md. Mamun Al Rashid

Professor

Department of Applied Chemistry and Chemical Technology

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EDUCATION

M. Sc. (Thesis) (2000-2001):

Institution : Department of Applied Chemistry & Chemical Technology,
Rajshahi University, Rajshahi, Bangladesh.
Courses studied : Chemistry and Pharmaceutical Chemistry, Macromolecular
Chemistry; Chemical Engineering; Surfactant and Surface
Chemistry; Natural Products and Biomolecules.
Year of Examination : Examination of 2000 held on 2002
Course duration : 01 Year + 6 Months for Research
Percentage of Marks : 67%
Result : First Class

B. Sc.(Honours) (1996-1999) :

Institution : Department of Applied Chemistry & Chemical Technology,
Rajshahi University, Rajshahi, Bangladesh.
Courses studied : Inorganic, Organic, Physical Chemistry; Chemical Eng.; Polymer
Science; Industrial Chemistry, Metallurgy, Spectroscopy, Material
Science, Analytical Chemistry, Pharmaceutical Chemistry, Fuels &
Petrochemicals, Mathematics, Environmental Chemistry,
Electrometallurgy & Corrosion, Applied Physics &
Electronics, Computer Science for Industrial Operation.
Year of Examination : Examination of 1999 held on 2000
Course duration : 03 Years
Percentage of Marks : 65.25%
Result : First Class (1st Position)

H. S. C. (Science Group) :

Institution : Dhaka City College, Dhaka Board, Bangladesh
Subject studied : Bengali, English, Chemistry, Physics, Mathematics and Biology
Year of Examination : 1996
Course duration : 02 Years
Percentage of Marks : 71.1%
Result : First Division

S. S. C. (Science Group) :

Institution : Telihaty High School, Sreepur, Gazipur, Dhaka Board, Bangladesh
Subject studied : Bengali, English, General Science, Social Science, Mathematics,
Biology, Geography, Higher Mathematics.
Year of Examination : 1994
Course duration : 10 Years
Percentage of Marks : 78.5%
Result : First Division

RESEARCH INTERESTS

Natural Products Chemistry, Pharmacognosy, & Biotechnology (Isolation & characterization of medicinally important compounds, Analyses of essential oils, and biological screening of natural products).

RESEARCH EXPERIENCES

Post Doc: Department of Chemistry, Chankiri Karatekin University, Turkey (2016).

Ph. D: Awarded Ph.D entitled “Comparative studies on nutrient content of Bangladeshi foods cooked by conventional method and Microwave irradiation method” from the Department of Applied Chemistry & Chemical Technology, Islamic University, Kushtia, Bangladesh.

M.Sc. (Thesis): Conducted M.Sc. Thesis entitled “Physico-Chemical and Microbiological Investigation of Lipid and Estimated of Protein & Related Substances from Bangladeshi fresh water fish *Aspidoparia Morar* (Fam. Cyprinidae)”. for a period of one and half an year under the supervision of Professor **Dr. Abul Hossain Molla**, Department of Applied Chemistry & Chemical Technology, Rajshahi University, Rajshahi, Bangladesh.

TEACHING EXPERIENCE

Islamic University (IU), Kushtia, Bangladesh: Serving as an Professor (teaching in B.Sc. (Honors) & Master’s Level & Research) in the Department of Applied Chemistry & Chemical Engineering, Islamic University, Kushtia, Bangladesh from September 15, 2004 to date. I am also involved with a joint research group in the Pharmaceutical Chemistry, Food Chemistry & Natural Product Research Laboratory, Department of Applied Chemistry & Chemical Technology, Islamic University, Bangladesh.

PERSONAL

Permanent Address : Village: Abder, Post Office: Telihaty,
Police Station: Sreepur, District: Gazipur.

Date of birth: 07-10-1979.

Marital Status: Married

Health: Excellent (Non-smoker).

Religion: Islam

LIST OF PUBLICATIONS

1. A. Hossain, M. M. H. Sachchu, M. K. H. Shishir, N.R. Sayeem, U. Podder, M. R. Al-Mahmud, **M. A. Rashid**, R. T. Tama, N. N. Haque, A. Rahman, M. A. Alam, Profile of Lipid and Antioxidant Activity Lipids Extracted from *Pangasius pangasius*: Complementary Analysis, Asian Journal of Research in Biochemistry, Vol. 14, Issue 6, 2024, 199-212.
2. **M. A. Rashid**, Afrid Nargis, Atiqur Rahman, Antimicrobial Activities of Extract from Seeds of *Baccaurea ramiflora*, International Journal of Advanced Research in Chemical Science. Vol. 7(3), 2020, 23-28.
3. **Rashid MA**, Jubair MH, Atiqur Rahman, Pharmacological Activities of Natural Products Derived from *Clerodendrum fortunatum* L, Scholar Journal of Engineering and Technology. Vol. 8(8), 2020, 155-161.
4. **M. A. Rashid**, M. Saifullah, M. A. Habib, Md. Iqbal Hussain, M. A. Sattar, The Effect of Different Cooking Methods on Nutrient Content of Selected Bangladeshi Fish, International Journal of Advanced Research in Chemical Science. Vol. 3(8), 2016, 1-6.
5. **M. A. Rashid**, Md. Iqbal Hussain, M. Saifullah, M. A. Habib, M. A. Sattar, Effect of Heat on Nutrition of *Solanum tuberosum*, Open Access Library Journal. Vol. 3, 2016, 21-26.

6. **M. A. Rashid**, Md. Iqbal Hussain, Atiqur Rahman, Mst. Khodeza Khatun, M. A. Sattar. The Effect of Microwave Cooking on Nutrient Value of Fresh Vegetables, International Journal of Nutrition and Food Sciences. Vol. 5, No. 4, 2016, 273-277.
7. Sharif M. Al-Reza. M. Rokonzaman, Monira Afroz. Md. Iqbal Hussain, **M. A. Rashid**, Atiqur Rahman. Chemical Composition and Antioxidant Activity of Essential Oil and Organic Extracts of *Premna integrifolia* Linn, Brazilian Archives of Biology and Technology (Brazil) 2016, Vol. 59: <http://dx.doi.org/10.1590/1678-4324-2016160223>, ISSN: 1516-8913 e16160223,
8. **M. A. Rashid**, M. I. Hussain, M. A. Habib, M. Saifullah, M. A. Sattar, Effect of Cooking on Nutrient Content of Bangladeshi Vegetable *Solanum Melongena*, International Journal of Food Science and Technology. Vol. 6, No. 1, 2016, 21-26.
9. **M. A. Rashid**, Iqbal Hussain, Mohsina Hamuda, Sharif M. Al-Reza, Study of Microwave Heating on Nutrient Content of Bangladeshi Fish *Mastacembelus Armatus*, International Journal of Nutrition and Food Sciences. Vol. 4, No. 5, 2015, 574-577.
10. **M. A. Rashid**, M. T. Alam, N. C. Dafader, M. E. Haque, Sharif M. Al-Reza & M. A. Sattar, Study on The Effect of Chitosan in Poly (Vinyl Pyrrolidone) Hydrogel Prepared By The Application of Gamma Radiation, Journal of Plastic and Polymer Technology (JPPT), Vol. 1(1), 2015, 65-70.
11. Rafiqueel Islam, Nazmul Hasan, S. A. Siddiqui, **M. A. Rashid**, Sk Al Zaheri Mahmud, M. Safiur Rahman, Atiqur Rahman. The Black Seed *Nigella Sativa* Linnaeus: A Study of The Antioxidant Activity of The Essential Oil and Extracts. Journal of Nature Science and Sustainable Technology, Vol. 7(01), 2013.
12. **M. A. Rashid**, Sonia Zebsin, Md. Samsul Alam. Dyeing Properties and Colour Fastness of Cotton Fabric Dyed With Mahogany. Jackfruit and Cutch Barks Extract. Journal of Islamic Education and Research, Vol 8(2), 2012.
13. Atiqur Rahman, Zakia Sultana Shanta, **M. A. Rashid**, Tanzima Parvin, Shajia Afrin, Mst Khodeza Khatun, M.A. Sattar. *In vitro* antibacterial properties of essential oil and organic extracts of *Premna integrifolia* Linn. Arabian Journal of Chemistry, 2011, Article in Press.

14. M.A. Sattar, U.S. Sultana, M.K. Khatun, A. Rahman, **M. A. Rashid**. Synthesis of Arylidene Acetophenones Using Unconventional Method. Journal of Applied Science and Technology, Vol. 07(01), 2010, p.65-69.
15. N.C. Dafader, Q.B. Rahman, A. Rahman, **M. A. Rashid**, M.A. Sattar. Water Absorption Capacity of Acrylamide/Kappa-Carrageenan Blend Hydrogel Prepared by Gamma Radiation in Urea and Copper Sulfate Solution. Journal of Applied Science and Technology, Vol. 7(01), 2010, p.41-43.
16. M.K. Khatun, M.S. Khatun, **M. A. Rashid**, A. Rahman, T. Pervin, A.A. Zaman, M.A. Sattar. Condensation of Benzaldehyde with Acetophenone through Microwave Irradiation Method. Journal of Applied Science and Technology, Vol. 07(01), 2010, p.77-78.
17. **Md. Mamun Al-Rashid**, A.H. Mollah, M.A. Sattar, M.G. Sharoar. Characterization Of Lipids From *Aspidoparia morar*. Journal of Applied Science and Technology, Vol. 05(01), 2007, p.149-153.
18. M.A. Sattar, **Md. Mamun Al-Rashid**, Mst. Khodeza Khatun, Md. Masuduzzaman. Microbiological Investigation of the Extract from *Cuscuta Reflexa*. Journal of Applied Science and Technology, Vol. 05(01), 2007, p.127-130.
19. Md. Shamsul Alam, G.M. Arifuzzaman Khan, S.M. Abdur Razzaque, **Md. Mamun Al-Rashid**, Thowai A. Chowdury. Dyeing of Coir Fibre with Direct Dyes and Their Colour Fastness Properties. Journal Of Open School, Bangladesh Open University, Vol. 2(2), 2005, p.207-216.