



Dr. Mohammad Mostafizur Rahman

Professor

Department of Chemistry

Jagannath University

Dhaka-1100, Bangladesh

Phone: +88-02223353794

Fax: +88-0247118449

Cell: +88-01758488399

Email: mostafiz@chem.jnu.ac.bd

Personal Details

Date of Birth	01 November 1978
Sex	Male
Marital Status	Married
Nationality	Bangladeshi
Blood Group	O(+ve)
Present Status	Professor, Department of Chemistry Jagannath University, Dhaka-1100, Bangladesh
Mailing Address	Department of Chemistry, Jagannath University Dhaka -1100, Bangladesh
E-mail	mostafiz@chem.jnu.ac.bd mmrahmanju1978@yahoo.com
Permanent Address	Vill.- Charshimla, P.O.- Syedpur, P.S.- Gopalpur Dist.- Tangail, Bangladesh.

Employment and Experiences

1. Professor (16 May, 2019 to till date)
Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh
2. Associate Professor (10 December, 2014 to 16 May, 2019)
Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh
3. Assistant Professor (28 April, 2011 to 10 December, 2014)
Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh
4. Lecturer (06 January, 2008 to 28 April, 2011)
Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh
5. Lecturer (02 April, 2006 to 05 January, 2008)
Department of Chemistry, Sirajganj Government College, Sirajganj, Bangladesh
26th BCS (General Education, Chemistry, **First Position**).

Academic Qualifications

Degree obtained/ Exam. Passed	Institution attended	Completion Year	Result
PhD (Bioresource Sciences)	Tottori University Tottori, Japan	2014	Degree Awarded (Monbukagakusho: MEXT Scholar)
MS (Biological Science and Technology)	Shimane University Shimane, Japan	2011	Degree Awarded (Monbukagakusho: MEXT Scholar)
MS (Organic Chemistry)	University of Dhaka Dhaka, Bangladesh	2001*	First Class (First position)
B.Sc (Honors) in Chemistry	University of Dhaka Dhaka, Bangladesh	2000**	First Class (Fourth position)
H.S.C	Notre Dame College Dhaka, Bangladesh	1995	First Division (81.8% Marks)
S.S.C	Mymensingh Zilla School Mymensingh, Bangladesh	1993	First Division (85.6% Marks)

* Exam held in 2005; ** Exam held in 2003.

Research Interest

Briefly, interested in advanced methodologies for organic synthesis, biological activity determination, and computational study. Synthesis, isolation, and characterization of bio-active spiroketals. Design, synthesis, electrophysiology, mode of action, structure-activity relationships, and molecular modeling of bio-active and pest control chemicals. Design, synthesis, characterization, biological activity evaluation, structure optimization (DFT method), molecular docking, *In silico* pharmacokinetic studies, and molecular dynamic simulations of chalcones, thiazole Schiff bases and their metal complexes.

Research Experience

1. Working as a group leader of Dr. Mohammad Mostafizur Rahman research group, Department of Chemistry, Jagannath University. At present, 02 (two) M.Phil and 03 (three) MSc. students are conducting their research under my supervision in the field of organic synthesis, bioactivity determination, and computational study.

2. Performed Ph.D. research to synthesize potent competitive antagonist for insect GABA receptors and submitted a thesis entitled “Synthesis and structure-activity relationships of iminopyridazine competitive antagonists in insect GABA receptors” in the United Graduate School of Agricultural Sciences, Tottori University, Japan (2014).
3. Submitted a thesis entitled “Synthesis of gabazine analogues and their antagonist activity against insect GABA receptors” for the partial fulfillment of the MS degree in Shimane University, Japan (2011).
4. Submitted a thesis entitled “Synthesis of Potential Bio-active Spiroketal: Reactions of Diarylideneacetones with cyclic 1,3-diketones” for the partial fulfillment of the MS degree in University of Dhaka, Bangladesh (2005).

Implemented Research Project

1. **Project Director**, UGC Research project 2020-2021.

Title of the project

Synthesis, Antimicrobial activity and Docking study of Transition Metal Complexes of Novel 3-nitro-2-(5-acetyl-4-methyl-2-thiazolyl)hydrazone acetophenone Ligand.

Funding Institution: University Grants Commission of Bangladesh (UGC)

Year: 2020-2021 (1 Year Project)

2. **Project Director**, Ministry of Education 2017-2020.

Title of the project: Synthesis of gabazine based 1,6-dihydro-6-iminopyridazines and their insecticidal activities against insect GABA receptors.

Funding Institution: Ministry of Education (MoE), Bangladesh

Year: 2017-2020 (3 Years Project)

3. **Project Director** (Principal Investigator), Ministry of Science & Technology, R & D Project 2015-2016.

Title of the project: Synthesis and insecticidal activities of iminopyridazines as competitive antagonists of insect GABA receptors.

Funding Institution: Bangladesh Ministry of Science & Technology (MOST)

Year: 2015-2016 (1 Year Project).

4. **Project Director**, Ministry of Science and Technology 2017-2018.

Title of the project

Synthesis of GABA receptor insecticidal iminopyridazinphosphonate and phosphonic acid competitive antagonists

Funding Institution: Ministry of Science and Technology (MOST)

Year: 2017-2018 (1 Year Project)

- 5. Project Director** (Principal Investigator), Jagannath University Development Project 2020-2021

Title of the project

Synthesis, antimicrobial activities and computational studies of 2-hydroxy-3,5-dibromophenyl group containing thiazole-Schiff bases.

Funding Institution: Jagannath University, Dhaka, Bangladesh.

Year: 2020-2021 (1 Year Project).

- 6. Project Director** (Principal Investigator), Jagannath University Development Project 2019-2020

Title of the project: Synthesis, Antimicrobial Activity and Docking Study of Transition metal complexes of New 2-(2-hydrazinyl) thiazole derivatives.

Funding Institution: Jagannath University, Dhaka, Bangladesh.

Year: 2019-2020 (1 Year Project).

- 7. Project Director** (Principal Investigator), Jagannath University Development Project 2017-2018

Title of the project

Synthesis of some antimicrobial 1-benzylidene-2-(4-methylthiazol-2-yl)hydrazine Schiff bases.

Funding Institution: Jagannath University, Dhaka, Bangladesh.

Year: 2017-2018 (1 Year Project).

- 8. Project Director** (Principal Investigator), Jagannath University Development Project 2016-2017

Title of the project

Synthesis of Gabazine based 3-substituted iminopyridazines as competitive antagonists for insect GABA receptors.

Funding Institution: Jagannath University, Dhaka, Bangladesh.

Year: 2016-2017 (1 Year Project).

- 9. Project Director** (Principal Investigator), Jagannath University Development Project 2014-2015

Title of the project: Synthesis of 1,6-dihydro-6-iminopyridazines as competitive antagonists for insect GABA receptors.

Funding Institution: Jagannath University, Dhaka, Bangladesh.

Year: 2014-2015 (1 Year Project).

Publications

1. Md. Shahazada Shah, **Mohammad Mostafizur Rahman (Corresponding author)**, Md. Din Islam, Abdullah-Al-Macktof, Junaid Uddin Ahmed, Hiroshi Nishino, Md. Aminul Haque. Synthesis, antimicrobial and antioxidant evaluation with *in silico* studies of new thiazole Schiff base derivatives, *J. Mol. Struct.* **2022**, 1248, 131465 (IF 3.196). DOI: <https://doi.org/10.1016/j.molstruc.2021.131465>
2. Md. Din Islam, Samiron Kumar, Tahmina Akter Chowdhury, Mahe Zame Sarker, Hiroshi Nishino, Md. Aminul Haque and **Mohammad Mostafizur Rahman (Corresponding author)**. Synthesis, characterization and pharmacokinetic studies of 4-(3-aryl-1,6-dihydro-6-iminopyridazin-1-yl)butanoic acid hydrochlorides, *J. Bangladesh Acad. Sci.* **2021**, 45(1), 37-47. DOI: 10.3329/jbas.v45i1.54258
3. **Mohammad Mostafizur Rahman (Corresponding author)**, Fumiyo Ozoe and Yoshihisa Ozoe. Competitive Antagonism of Housefly γ -Aminobutyric Acid Receptors by Iminopyridazine Butanoic Acids. *Bangladesh J. Sci. Ind. Res.* **2021**, 56(1), 9-16. DOI: <https://doi.org/10.3329/bjsir.v56i1.52690>
4. **Mohammad Mostafizur Rahman**, Md. Din Islam, Zakia Islam, Samiron Kumar, Tahmina Akter Chowdhury, Hiroshi Nishino and Md. Aminul Haque. Synthesis and Characterization of New Iminopyridazine Butyronitrile Hydrobromides. *J. Bangladesh Acad. Sci.* **2020**, 44(2), 131-138. DOI: <https://doi.org/10.3329/jbas.v44i2.51457>
5. **Mohammad Mostafizur Rahman**, Muhammad Abdullah Al-Mansur, Shanta Easmin, Tahmina Afroz, Md. Shahinul Haque, Md. Mizanur Rahman and Md. Aminul Haque. Chemical and Biological Screening of the Bark Endophytes of *Gynura procumbens*. *Jagannath Univ. J. Sci.* **2020**, 7(1), 9-13.
6. M. A. Hossain, S. M. A. Hakim Siddiki, M. Elias, **M. M. Rahman**, and M. A. R. Jamil. Highly β -Selective Glycosylation Reactions for the Synthesis of ω -Functionalized Alkyl β -Maltoside as a Co-crystallizing Detergent. *Russian J. Org. Chem.* **2020**, 56(10), 1806-1814 (IF 0.723). DOI: 10.1134/S1070428020100231
7. M. A. Hossain, Morium, M. Elias, **M. M. Rahman**, M. M. Rahman, M.S. Ali and M. A. Razzak. Multi-phenyl structured aromatic hydrocarbon polymer. *Bangladesh J. Sci. Ind. Res.* **2020**, 55(2), 139-146. DOI: <https://doi.org/10.3329/bjsir.v55i2.47634>
8. Shamsun Naher, Md. Aminul Haque, Md. Shahid Alam, **Mohammad Mostafizur Rahman**, Md Delwar Hossain and Mala Khan. Comparative Studies on Detection

- and Quantification of Pesticide Residue in Some Vegetables of Bangladesh. *Jagannath Univ. J. Sci.* **2019**, *6(I & II)*, 1-10.
9. Debadas Halder, **Mohammad Mostafizur Rahman**, Abul Khair, Pradip K. Bakshi. Synthesis and Characterization of Salt-like Thiamine Derivatives. *Jagannath Univ. J. Sci.* **2018**, *5(II)*, 57-63.
10. M. E. Halim, K. Akhter, M. Hasan, **M. M. Rahman**, U. K. R. Romman and M. G. Ahmed. Synthesis of potential pharmaceutically active dihydropyrimidine-2-oxo and their 2-thio analogues. *Bangladesh J. Sci. Ind. Res.* **2018**, *53(4)*, 327-332. DOI: <http://dx.doi.org/10.3329/bjsir.v53i4.39198>
11. Md. Aminul Haque, Joynal Abedin, Badhan Shaha, Mohammad Moniruzzaman, **Mohammad Mostafizur Rahman** and Shamsun Naher. Assessment of heavy metal impact on soil and vegetable of hatirjheel lake area and study of the physicochemical parameters of lake water. *J. Bangladesh Chem. Soc.* **2017**, *29(1)*, 54-61.
12. S. M. Sohel Rana, Md. Aminul Haque, Md. Jahangir Alam, Din Islam, **Mohammad Mostafizur Rahman**, Mosharof Hossain. Process Optimization for the Production of Biodiesel from Cathchampa seed (*calophyllum inophyllum*) Oil by Transesterification. *Jagannath Univ. J. Sci.* **2016**, *4(II)*, 145-152.
13. Islam R, **Rahman MM**, Mondal MF, Hossain MA, Halder D and Rob MM. Purity analysis of commercially available brands of carbofuran in Gazipur district, Bangladesh. *Int. J. Nat. Sci.* **2016**, *6(2)*, 62-65.
14. Mohammad Sayed Alam, Sefat Jebin, **M. Mostafizur Rahman**, Md. Latiful Bari, Dong-Ung Lee. Biological and Quantitative-SAR Evaluations, and Docking Studies of (*E*)-*N*-Benzylidenebenzohydrazide Analogues as Potential Antibacterial Agents. *EXCLI Journal* **2016**, *15*, 350-361 (IF 4.068). DOI: [10.17179/excli2016-388](https://doi.org/10.17179/excli2016-388)
15. **Mohammad Mostafizur Rahman**, Genyan Liu, Kenjiro Furuta, Fumiyo Ozoe, Yoshihisa Ozoe. Synthesis of 1,3-di- and 1,3,4-trisubstituted 1,6-dihydro-6-iminopyridazines as competitive antagonists of insect GABA receptors. *J. Pestic. Sci.* **2014**, *39(3)*, 133-143 (IF 1.519). DOI: <https://doi.org/10.1584/jpestics.D14-052>
16. **Mohammad Mostafizur Rahman**, Yuki Akiyoshi, Shogo Furutani, Kazuhiko Matsuda, Kenjiro Furuta, Izumi Ikeda, Yoshihisa Ozoe. Competitive antagonism of insect GABA receptors by iminopyridazine derivatives of GABA. *Bioorg. Med. Chem.* **2012**, *20*, 5957-5964 (IF 3.641). DOI: [10.1016/j.bmc.2012.07.049](https://doi.org/10.1016/j.bmc.2012.07.049)
17. M. Giasuddin Ahmed, U.K.R. Romman, Kawsari Akhter, Abdul Hakim Siddiki,

- M. Mostafizur Rahman.** Regioselective Addition to Diarylideneacetones-Synthesis of 2-Oxo-1-Acyl-6-aryl-4[(2-aryl)-vinyl]-Cyclohex-3-ene. *Dhaka Univ. J. Sci.* **2010**, 58(2), 253-255.
- 18. M. Giasuddin Ahmed, S. Asghari Ahmed, U.K.R. Romman, Kawsari Akhter, Mohammad Mostafizur Rahman.** Synthesis of Some Thermodynamically Stable Spiroketals: 2,2'-spirobi-(4-aryl-7,7-dimethyl-5-oxo-)5,6,7,8-tetrahydrochromans. *Dhaka Univ. J. Sci.* **2009**, 57(1), 127-128.

Books

1. Multiple sites of Insecticidal Action in Ionotropic GABA Receptors. Yoshihisa Ozoe, Fumiyo Ozoe, Tomo Kita, **Mohammad Mostafizur Rahman**, Genyan Liu, Kazutoshi Hisano, Madoka Takashima, Yunosuke Nakata. *ACS Symposium Series*, American Chemical Society, Vol. 1204, Chapter 30, **2015**, pp 431-446. ISBN13: 9780841231023eISBN: 9780841231016.

Presentations

1. **Mohammad Mostafizur Rahman** and Md. Aminul Haque. Synthesis of Insect GABA Receptors Targeting 3-Substituted Iminopyridazines. **Invited Lecture** in International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), 11-13 March, **2021**, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh, Abstract, IL-D04.
2. Md. Aminul Haque and **Mohammad Mostafizur Rahman**. New Transition Metal Complexes of Thiazole-Schiff base Ligands: Synthesis, Antimicrobial, Antioxidant and Computational Study. Invited Lecture in International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), 11-13 March, **2021**, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh, Abstract, IL-D02.
3. **Mohammad Mostafizur Rahman**, Khadiza Akter, Md. Aminul Haque, A. H. M. Shofiul Islam Molla Jamal. Synthesis, Antimicrobial Activity and Computational Study of Indole Moiety Containing Thiazole-Schiff Base Derivatives. International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), 11-13 March, **2021**, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh, Abstract, OP-D32.

4. Md. Aminul Haque, Fahmida Akhter, **Mohammad Mostafizur Rahman**. New Chalcone Derivatives: Synthesis, Antimicrobial, Antioxidant and Computational Study. International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), 11-13 March, **2021**, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh, Abstract, OP-D16.
5. Md. Aminul Haque, Md Ziaur Rahman Pias, **Mohammad Mostafizur Rahman**. Synthesis OF Pb(II), Cu(II) and Zn(II) Complexes OF Two New Thiazole Schiff Base Ligands AND Study OF their Antimicrobial, Antioxidant AND Docking Study. International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), 11-13 March, **2021**, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh, Abstract, OP-D28.
6. **Mohammad Mostafizur Rahman**, Sohana Afrin, Md.Aminul Haque. Synthesis, Antimicrobial Activity and Docking Study of Phenoxy-Thiazole-Schiff Base Derivatives. International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), 11-13 March, **2021**, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh, Abstract, PP-08.
7. **Mohammad Mostafizur Rahman**, Samira Jarin Khan, Md.Aminul Haque. Synthesis, Antimicrobial Activity and Docking Study of Thiophene-Thiazole-Schiff Base Derivatives. International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), 11-13 March, **2021**, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh, Abstract, PP-28.
8. **Mohammad Mostafizur Rahman**, Atika Mim, Md. Aminul Haque. Highly Antimicrobial Active Drug Like Novel Furan-thiazole-Schiff Base Derivatives: Synthesis and Computational Study. International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), 11-13 March, **2021**, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh, Abstract, PP-27.
9. Md. Aminul Haque, Sanjay Datta, Nadia Nabila, **Mohammad Mostafizur Rahman**. Antimicrobial, antioxidant & docking study of Mn(II), Co(II), Pb(II) and Zn(II) complexes of two new thiazole-Schiff base ligands. International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), 11-13 March, **2021**, Bangladesh Council of

- Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh, Abstract, PP-26.
10. Md. Aminul Haque, Rownok Jahan, **Mohammad Mostafizur Rahman**. Nickel complexes of two new thiazole-Schiff Base derivatives: Synthesis, Antimicrobial, Antioxidant Activity and Computational Study. International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), 11-13 March, **2021**, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh, Abstract, PP-07.
 11. Md. Aminul Haque, Tasnim Rahman, **Mohammad Mostafizur Rahman**. New Fluorene-Thiazole-Schiff base Derivatives: Synthesis, Antimicrobial, Antioxidant and Computational Study. International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), 11-13 March, **2021**, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh, Abstract, PP-04.
 12. Md. Aminul Haque, Nabila Akter, **Mohammad Mostafizur Rahman**. Synthesis, antimicrobial activity and docking study of transition metal complexes of new 2-(2-hydrazinyl)thiazole derivatives. International Conferences on Recent Advances in Chemistry, 07-08 February, **2020**, Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-11.
 13. Md. Aminul Haque, Fahmida Akter, **Mohammad Mostafizur Rahman**. Synthesis, antimicrobial activity and computational study of some new heterocycles from chalcone derivatives containing pyridine ring. International Conferences on Recent Advances in Chemistry, 07-08 February, **2020**, Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-12.
 14. Md. Aminul Haque, Md. Ziaur Rahman Pias, **Mohammad Mostafizur Rahman**. Synthesis, characterization, antimicrobial activity and docking study of noble Schiff bases and their metal complexes containing thiazole. International Conferences on Recent Advances in Chemistry, 07-08 February, **2020**, Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-13.
 15. Md. Aminul Haque, Md. Abdur Razzak, **Mohammad Mostafizur Rahman**. Synthesis, antimicrobial and computational study of transition metal complexes of noble Schiff base-thiazole derivatives. International Conferences on Recent Advances in Chemistry, 07-08 February, **2020**, Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-14.
 16. Md. Aminul Haque, Tanmoy Kumar Kundu, **Mohammad Mostafizur Rahman**. Synthesis of novel thiazole-Schiff base derivatives containing furan moiety and

- study of their antimicrobial and antioxidant activity. International Conferences on Recent Advances in Chemistry, 07-08 February, **2020**, Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-15.
17. **Mohammad Mostafizur Rahman**, Khadiza Akter, Md. Aminul Haque. Synthesis of novel thiazole-Schiff base derivatives contain indole moiety and study of their antimicrobial and antioxidant activity. International Conferences on Recent Advances in Chemistry, 07-08 February, **2020**, Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-16.
18. Md. Aminul Haque, Ismail Mamun, **Mohammad Mostafizur Rahman**. Synthesis of some new thiazole derivatives and study of their antimicrobial activity. International Conferences on Recent Advances in Chemistry, 07-08 February, **2020**, Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-17.
19. Md. Aminul Haque, Md. A.B. Siddique, **Mohammad Mostafizur Rahman**. Synthesis, characterization and antimicrobial activity study of noble Schiff bases and their metal complexes containing thiazole moiety. International Conferences on Recent Advances in Chemistry, 07-08 February, **2020**, Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-18.
20. Md. Aminul Haque, Rownok Jahan, **Mohammad Mostafizur Rahman**. Synthesis, antimicrobial, antioxidant activity and computational study of transition metal complexes of new thiazole-Schiff base derivatives. International Conferences on Recent Advances in Chemistry, 07-08 February, **2020**, Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-26.
21. Md. Shahazada Shah, Abdullah-al-macktuf, Junaid Uddin Ahmed, **Mohammad Mostafizur Rahman** and Md. Aminul Haque. Synthesis of thiazole schiff base derivatives and study of their antimicrobial study. International Conference on Chemical Science & Technology, 24-25 February, **2018**, Department of chemistry, Khulna University of Engineering & Technology, Khulna-9203, Bangladesh, Abstracts, PP 02.
22. **Mohammad Mostafizur Rahman**, Samiron Kumar, Md. Din Islam and Md. Aminul Haque. Synthesis of gabazine based iminopyridazine butanoic acid derivatives. International Conference on Chemical Science & Technology, 24-25 February, **2018**, Department of chemistry, Khulna University of Engineering & Technology, Khulna-9203, Bangladesh, Abstracts, PP 23.
23. Md. Aminul Haque, Ismail Mamun, Muhammad Abdullah Al-Mansur, and **Mohammad Mostafizur Rahman**. Synthesis of some new thiazole derivatives.

- International Conference on Chemical Science & Technology, 24-25 February, **2018**, Department of chemistry, Khulna University of Engineering & Technology, Khulna-9203, Bangladesh, Abstracts, PP 72.
24. Md. Aminul Haque, Md. Abdur Razzak, Md. Shahazada Shah, and **Mohammad Mostafizur Rahman**. Synthesis and characterization of Co(II), Cu(II), Ni(II) and Zn(II) complexes of 2-hydroxy-2-(5-acetyl-4-methyl-2-thiazolyl) hydrazone benzaldehyde. International Conference on Chemical Science & Technology, 24-25 February, **2018**, Department of chemistry, Khulna University of Engineering & Technology, Khulna-9203, Bangladesh, Abstracts, PP 74.
25. Md. Aminul Haque, Md. A. B. Siddique, Md. Shahazada Shah, and **Mohammad Mostafizur Rahman**. Synthesis of cobalt(II), copper (II), nickel(II) and Zinc(II) complexes of one novel Schiff base thiazole ligand. International Conference on Chemical Science & Technology, 24-25 February, **2018**, Department of chemistry, Khulna University of Engineering & Technology, Khulna-9203, Bangladesh, Abstracts, PP 75.
26. Monirul Islam, Md. Aminul Haque, Junaid Uddin Ahmed, **Mohammad Mostafizur Rahman** and Shamim Ahmed. Isolation of bioactive compounds from the leaf of *Piper chaba* antimicrobial activities of crude extracts. International Conference on Chemical Science & Technology, 24-25 February, **2018**, Department of chemistry, Khulna University of Engineering & Technology, Khulna-9203, Bangladesh, Abstracts, PP 90.
27. Fahmida Sultana, Tasnuva Tanzir, Md. Aminul Haque, **Mohammad Mostafizur Rahman**, Shamim Ahmed. Antimicrobial activity study of the fungal extracts of *piper chaba* and *swertia chirata*. 38 Annual conference-216, Bangladesh Chemical Society, 31 March, 2017, Port auditorium, Chittagong.
28. Razia Sultana, Tahera Khanom, Monirul Islam, Md. Aminul Haque, **Mohammad Mostafizur Rahman**, Shamim Ahmed, Junaid Uddin Ahmed. Isolation of secondary metabolites from endophytic fungi of *calotropis gigantean* & *psidium guajava* and antimicrobial activity study of the fungi extracts. 38 Annual conference-216, Bangladesh Chemical Society, 31 March, 2017, Port auditorium, Chittagong.
29. Somiron Kumar, Din Islam, Md. Aminul Haque, **Mohammad Mostafizur Rahman**. Synthesis of gabazine based 3-substituted iminopyridazine butanoic acids. 38 Annual conference-216, Bangladesh Chemical Society, 31 March, 2017, Port auditorium, Chittagong.
30. Tahmina Akter Chowdhury, Zakia Islam, Md. Aminul Haque, **Mohammad**

- Mostafizur Rahman.** Synthesis of gabazine based 3-substituted iminopyridazinebutyronitriles. 38 Annual conference-216, Bangladesh Chemical Society, 31 March, 2017, Port auditorium, Chittagong.
31. Md. Din Islam, Md. Aminul Haque, **Mohammad Mostafizur Rahman.** Synthesis of 3-substituted 4-(1,6-dihydro-6-iminopyridazin-1-yl)butanoic acids. 38 Annual conference-216, Bangladesh Chemical Society, 31 March, 2017, Port auditorium, Chittagong.
32. Monirul Islam, Md. Aminul Haque, **Mohammad Mostafizur Rahman,** Juaid Uddin Ahmed, Shamim Ahmed. Antimicrobial activity of the leaf extracts of *piper chaba* (Chuijal). 1st Symposium on Chemistry for Global Solidarity. 14 October, 2016, Jagannath University, Dhaka, Bangladesh.
33. Tahera Khanom, Shahnaj Akhter, Monirul Islam, Md. Aminul Haque, **Mohammad Mostafizur Rahman,** Shamim Ahmed, Nasim Sultana. Isolation of secondary metabolites from the leaf endophytes of *terminalia arjuna* & *calotropis gigantea* and antimicrobial activity study of the fungi extracts. 1st Symposium on Chemistry for Global Solidarity. 14 October, 2016, Jagannath University, Dhaka, Bangladesh.
34. Razia Sultana, Mahbuba Khatun, Monirul Islam, Md. Aminul Haque, **Mohammad Mostafizur Rahman.** Study of the endophytic fungi of *ocinum sanctum* and *psidium guajava* for the isolation of bioactive compounds and biological activity screening. 1st Symposium on Chemistry for Global Solidarity. 14 October, 2016, Jagannath University, Dhaka, Bangladesh.
35. Syed Hiszbullah, Mosharof Hossain, Md. Aminul Haque, **Mohammad Mostafizur Rahman.** Microbial fuel cell: a renewable and green technology for power generation. 1st Symposium on Chemistry for Global Solidarity. 14 October, 2016, Jagannath University, Dhaka, Bangladesh.
36. Md. Din Islam, Zakia Islam, **Mohammad Mostafizur Rahman,** Md. Aminul Haque. Synthesis of 3-substituted 4-(1,6-dihydro-6-iminopyridazin-1-yl)butanoic acids. 1st Symposium on Chemistry for Global Solidarity. 14 October, 2016, Jagannath University, Dhaka, Bangladesh.
37. **Mohammad Mostafizur Rahman,** Zakia Islam, Fumiyo Ozoe, Yoshihisa Ozoe. Competitive antagonism of 3-substituted iminopyridazines in housefly GABA receptors. *16th Asian Chemical Congress 2016.* March 16-19, 2016, Dhaka, Bangladesh.
38. **Mohammad Mostafizur Rahman,** Kenjiro Furuta, Fumiyo Ozoe, Yoshihisa Ozoe. Synthesis of iminopyridazines and their potencies as competitive antagonists in

- insect GABA receptors (Poster Presentation). *13th IUPAC International Congress of Pesticide Chemistry. August 10-14, 2014, San-Francisco, California, USA.*
39. **Mohammad Mostafizur Rahman**, Kazuki Nomura, Madoka Takashima, Kenjiro Furuta, Fumiyo Ozoe, Yoshihisa Ozoe. Synthesis of 1,3,4-trisubstituted iminopyridazines and their antagonistic activity against insect GABA receptors. *The 39th Annual Meeting of the Pesticide Science Society of Japan, March, 2014. Kyoto, Japan.*
40. **Mohammad Mostafizur Rahman**, Yuki Akiyoshi, Shogo Furutani, Kazuhiko Matsuda, Kenjiro Furuta, Yoshihisa Ozoe. Synthesis of 4-(6-imino-3-aryl/heteroarylpyridazin-1-yl)butanoic acids and their antagonist activity toward insect GABA receptors. *The 37th Annual Meeting of the Pesticide Science Society of Japan, March, 2012. Okayama, Japan.*
41. Yuki Akiyoshi, **Mohammad Mostafizur Rahman**, Shogo Furutani, Kazuhiko Matsuda, Kenjiro Furuta, Yoshihisa Ozoe. Patch-clamp analysis of Ligand-gated anion channel expressed in American cockroach neurons. *The Annual Meeting of the Japan Society for Bioscience, Biotechnology, and Agrochemistry, September, 2011. Miyazaki, Japan.*
42. **Mohammad Mostafizur Rahman**, Yuki Akiyoshi, Shogo Furutani, Kazuhiko Matsuda, Kenjiro Furuta, Yoshihisa Ozoe. Synthesis of gabazine analogues and their antagonist activity against insect GABA receptors. *Submitted Abstract to the 36th Annual Meeting of the Pesticide Science Society of Japan, March, 2011. Tokyo, Japan.*

Awards

1. Japanese government scholarship (Monbukagakusho: MEXT) to conduct PhD research in the United Graduate School of Agricultural Sciences, Tottori University, Japan from October, 2011 to September, 2014.
2. Japanese government scholarship (Monbukagakusho: MEXT) for Master's degree in Shimane University from October, 2009 to September, 2011.
3. Received \$800 from the IUPAC 2014 Conference as **Student Travel Education Award** by the American Chemical Society (ACS) AGRO division to participate 13th IUPAC International Congress of Pesticide Chemistry, August 10-14, San Francisco, California, USA for poster presentation.
4. **Asha Lata Sen Memorial Gold Medal**, for securing the highest marks in Chemistry in MS examination-2001 among the Faculty of Science, Biological Science, and Pharmacy, University of Dhaka, Bangladesh.

5. **Professor Ali Nawab Memorial Gold Medal**, for the first position in Chemistry in MS examination-2001, University of Dhaka, Bangladesh.
6. **Dr. Maleka-Al Razi Memorial Gold Medal**, for securing the highest marks in Organic Chemistry (Thesis) in MS examination-2001, University of Dhaka, Bangladesh.
7. Dr. Muhammad Quadrat-i-Khuda Scholarship (1996-97) for B.Sc (Honors) program, Department of Chemistry, University of Dhaka, Bangladesh.
8. Board Scholarship on the basis of H.S.C results, Dhaka Education Board, Bangladesh.
9. Board Scholarship on the basis of S.S.C results, Dhaka Education Board, Bangladesh.
10. Junior School Scholarship.

Training Attended

Attended a 21 days long certificate course on “Teaching Skill Development” conducted by ‘University and Industry Alliance’, University of Dhaka (A project of Jagannath University, Dhaka), June-July, 2008.

Country Visited

Japan, United States of America, India.

Professional Affiliation

1. Former Member of American Chemical Society (ACS) (ID #: 30749466).
2. Former Member of Pesticide Science Society of Japan (PSSJ) (ID #: 200538).
3. Life member of Bangladesh Chemical Society (BCS) (ID #: LM1288).
4. Life member of Dhaka University Chemistry Alumni Association (DUCAA) ((ID #: LM84)).

Name of Referees

1. Dr. Yoshihisa Ozoe, Professor, Department of Life Science and Biotechnology, Shimane University, Matsue, Shimane 690-8504, Japan.
E-mail: ozoe-y@life.shimane-u.ac.jp
2. Dr. Mohammad Sayed Alam, Professor, Department of Chemistry, Jagannath University, Dhaka-1100, Bangladesh. Email: msalam@chem.jnu.ac.bd



(Prof. Dr. Mohammad Mostafizur Rahman)