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Dr. Md. Aminul Haque

EDUCATION

Degree	Institution	Field	Dates
PhD	Kumamoto University, Japan	Organic Synthesis	2011
MS	Department of Chemistry, University of Dhaka	Chemistry	2001
BS	Department of Chemistry, University of Dhaka	Chemistry	2000

FULL-TIMEACADEMICEXPERIENCE

Institution	Rank	Department	Dates
Jagannath University	Professor	Chemistry	August, 18, 2018toPresent
Jagannath University	Associate Professor	Chemistry	June 05, 2014 to August 18, 2018.
Jagannath University	Assistant Professor	Chemistry	April 28, 2011 to June 05, 2014
Jagannath University	Lecturer	Chemistry	January 05, 2008 to April 28, 2011
Stamford University Bangladesh	Lecturer	Natural Science	June 01, 2006 to January 03, 2008

PART-TIMEACADEMICEXPERIENCE

Institution	Rank	Department	Dates
Bangladesh University of Engineering and Technology	Assistant Professor	Chemistry	2013 (Six Months)

NON-ACADEMICEXPERIENCE

Placeof Employment	Title	Dates
Square Pharmaceuticals Limited	Executive in Quality Assurance Department	March 29, 2005 to May 20, 2006
AQC Science and Synergic Ltd.	Analytical Chemist	February2005–March2005

PhD Research work:

Research on "*Study on the Manganese(III)-based oxidation of tetramic acid and tetronic acid derivatives and the related reactions*" under the supervision of **Hiroshi Nishino, D.Sc.** in the chemistry Department of Kumamoto University, Japan as a part of PhD thesis.

MS Research work:

Research on "*Isolation of endophytic fungi from medicinal plants and studies of fungal metabolites*" under the supervision of **Prof. M. Mosihuzzaman and Prof. Nilufar Nahar** in the chemistry Department of Dhaka University as a part of MS thesis

Present Research Interest

1. **Organic Synthesis**
2. **Medicinal Chemistry**
3. **Electrochemistry**
4. **Natural Product Chemistry**
5. **Biofuel**
6. **Organic Analytical Chemistry**

PUBLICATIONSINDISCIPLINE

Journal Papers:

1. Muhammad zoadurrahman, Md. Din islam, **Md. Aminul Haque**, Mohammad Mostafizur Rahman, Emdad hossain and Ranajit Kumar Sutradhar "Synthesis, Characterization, Molecular Docking Studies and Biological Evaluation of Thiazole Schiff Base Analogs" Asian Journal of Chemistry, 36(33): 649-654, February **2024**, DOI: https://doi.org/10.14233/ajchem.2024.31077

2. Sharmin Akhter Rupa, Md. Abdul Majed Patwary, William Emmanuel Ghann , Admas Abdullahi, AKM Royhan Uddin, Md. Mayez Mahmud, **Md. Haque**, Jamal Uddin, Mohsin Kazi"Synthesis of a novel hydrazone-based compound applied as a fluorescence turn-on chemosensor for iron(iii) and a colorimetric sensor for copper(ii) with antimicrobial, DFT and molecular docking studies†" RSC Advances, 13(34): 23819-23828, August **2023**, DOI: 10.1039/D3RA04364A

3. Aparna Sarker, M Irfan Ali,T T Arzina, Mohammad Lokman Hossain, **Md. Aminul Haque**, A K M Lutfor Rahman"Screening of Antimicrobial and Antioxidant Properties of Ethylenediamine Mono-dithiocarbamate to Overcome the Resistance of Microbes Against Existing Drugs" Journal of Science and Technology Research, 4(1): 183-190, July **2023**, https://doi.10.3329/jscitr.v4i1.67380

4. Rajia Sultaa, Md . Din Islam, Farjia Tanjum,Mohammad Mostafizur Rahman , **Md. Aminul Haque** and Rashadul Hossain "Antioxidant, Antibacterial and Antifungal

Properties of Black Pepper Essential Oil (Piper nigrum Linn.) and MolecularDocking and Pharmacokinetic Studies ofIts' Major Component" Oriental Journal of Chemistry, 38(6): 1560-1554, December**2022**, DOI: 10.13005/ojc/380630

5. Farjana Rahman, Md Abdul Majed Patwary,Md. Abu Bakar Siddique, MuhammadShahriar Bashar, **Md. Aminul Haque**, Beauty Akter,Rimi Rashid, Md. Anamul Haque andA.K.M.RoyhanUddin"Green synthesis of zinc oxide nanoparticles using Cocos nucifera leaf extract: characterization, antimicrobial, antioxidant and photocatalytic activity" Royal Society Open Science, 9(11): 220858, November**2022**, https://doi.org/10.1098/rsos.220858

6. Md. Shahazada Shah, Mohammad Mostafizur Rahman*****, Md. Din Islam, Abdullah-Al-Macktuf, Junaid uddin Ahmed, Hiroshi Nishino, **Md. Aminul Haque***"Synthesis, antimicrobial and antioxidant evaluation with in silico studies of new thiazole Schiff base derivatives" Journal of Molecular Structure, 1248(9): 131465, January **2022**, DOI: 10.1016/j.molstruc.2021.131465

7. Sharmin Akhter Rupa, Md. Rassel Moni, Md. Abdul Majed Patwary, Md. Mayez Mahmud, Jaml Uddin, **Md. Aminul Haque**, SmTareque Abedin, **"**Synthesis of Novel Tritopic Hydrazone Ligands: Spectroscopy, Biological Activity, DFT, and Molecular Docking Studies" Molecules, 27(5), **2022**, DOI: 10.3390/molecules27051656

8. Md. Din Islam, Samiron Kumar, Tahmina Akter Chowdhury, MaheZame Sarker, Hiroshi Nishino, **Md. Aminul Haque*** and Mohammad Mostafizur Rahman* "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

9. Mohammad Mostafizur Rahman, Md. Din Islam, Zakia Islam, Samiron Kumar, Tahmina Akter Chowdhury, Hiroshi Nishino and **Md. Aminul Haque***. "Synthesis and characterization of new iminopyridazinebutyronitrile hydrobromides" Journal of Bangladesh Academy of Sciences, **44(2); 131-138: December 2020**

10. Mohammad Mostafizur Rahman, Muhammad Abdullah Al-Mansur, Shanta Easmin, Tahmina Afroz, Md. Shahinul Haque, Md. Mizanur Rahman, **Md. Aminul Haque*** "Chemical and Biological Screening of the Bark Endophytes of Gynura procumbens", Jagannath University Journal of Scienec**, 2020, 7(1), 9-13.**

11. S. M. Abu Nayem , Nasrin Sultana , **Md. Aminul Haque** , Billal Miah , Md. Mahmodul Hasan, Tamanna Islam, Md. Mahedi Hasan , Abdul Awal , Jamal Uddin *, Md. Abdul Aziz * and A. J. Saleh Ahammad * "Green Synthesis of Gold and Silver Nanoparticles by Using Amorphophallus paeoniifolius Tuber Extract and Evaluation of Their Antibacterial Activity" Molecules, **2020, 25, 4773** doi:10.3390/molecules25204773

12. Nasrin Sultana, S. M. Abu Nayem, Abdul Awal, Subrata C. Roy, **Md. Aminul Haque**, A. J. Saleh Ahammad* "Selective Determination of Ranitidine in the Presence of Metronidazole at an Activated Glassy Carbon Electrode" Jagannath University Journal of Scienec**, 2020, 7(1), 53-57.**

13. Md. Aminul Haque*, Md. Mahedi Hasan, Tamanna Islam, Md. Abdur Razzak,

Nabeel H. Alharthi, Hamad F. Alharbi, Mohammad R. Karim, Aziz student, Md. Abdul Aziz, and A. J. Saleh Ahammad* "Hollow reticular shaped highly ordered rice husk carbon for the simultaneous determination of dopamine and uric acid"Electroanalysis. **2020**, **32, 1957-70**.

14. Md. Aminul Haque*,Md. RajibulAkanda,Delwar Hossain, M. Aminul Haque, Ismail A. Buliyaminu, Shaik Inayath Basha, MunetakaOyama, and Md. Abdul Aziz* "Preparation and characterization of Bhant leaves-derived nitrogen-doped carbon and its use as an electrocatalyst for detecting ketoconazole"Electroanalysis. **2020,** 32**,** 528-535

15. M. Aminul Haque, M. Shamim Hossain, Md. Rajibul Akanda,***Md. Aminul Haque***, Shamsun Naher "Procedure Optimization of Limoniaacidissima Leaf Extraction and Silver Nanoparticle Synthesis for Prominent Antibacterial Activity"DOI: 10.1002/slct.201904019 Chemistry Select. **2019**, 4, 14276-80.

16. Md. Aminul Haque*, Joynal Abedin, Badhan Shaha, Mohammad Moniruzzaman, Mohammad Mostafizur Rahman and ShamsunNaher"Assessment of heavy metal impact on soil and vegetable of hatirjheel lake area and study of the physicochemical parameters of lake water"J. Bang. Chem. Soc. **2017**, 29(1), 54-61.

17. M. J. Alam, S. M. S. Rana,**M. A. Haque**, , S. M. A. Sujan, M. Hossainand M. S. Jamal " Production of biodiesel from non-edible Karanja seed oil" Bangladesh J. Sci. Ind. Res. **52(1)**, 15-20, **2017**

18. S.M. Sohel Rana, **Md. Aminul Haque***, Din Islam, Md. Jahangir Alam, Mohammad Mostafizur Rahman and Mosharof Hossain, "Process optimization for the production of biodiesel from Cathchampa seed (Calophylluminophyllum) oil by transesterification" Jagannath Univ. J. Sci. **Vol-4(II)**, 145-152, **2015**

19. M. T. Rahman, **M. A. Haque**, A. M. A Rouf, M. A. B. Siddique and M. S. Islam "Preparation and characterization of activated carbon and amorphus silica from rice husk" Bangladesh J. Sci. Ind. Res. **50(4)**, 263-270, **2015**

20. S. M. S. Rana, M. A. Haque, S. Poddar, S. M. A. Sujan, M. Hossainand M. S. Jamal "Biodiesel production from non-edible Mahogany seed oil by dual step process and study of its oxidation stability" Bangladesh J. Sci. Ind. Res. **50(2)**, 77-86, **2015**

21. Abdulla-al-Macktuf, **Md. Aminul Haque***,Samsun Naher, Urmila Sarker, H. M Emran Hossain, Md. Zakaria Miah and Shamima Begum "Biological activity screening of the bark endophyte of Azadirchata indica" Jagannath Univ. J. Sci. **Vol-3(II)**, 34-40, **2014**.

22. Shamsun Naher, Mohammad Sayed Alam, **Md. Aminul Haque**, Md. Mizanur Rahman, Asif Iqbal and Mala Khan: "Comparative studies on physic-chemical properties and GC-MS analysis of essential oil of Coriandrum sativum" Jagannath Univ. J. Sci. **Vol-3(II)**, 75-83, **2014**.

23. Md. Aminul Haque and Hiroshi Nishino "Manganese(III)-Catalyzed Aerobic Oxidation of 3-Alkyl-4-hydroxy-1H-pyrrol-2(5H)-ones in the Presence of 1,1-Diarylethenes. Synthesis of stable 8-Aza-1-hydroxy-2,3-dioxabyclo[4.3.0]-nonan-7-one Framework" Journal of Heterocyclic Chemistry, Vol-51(3), 579-585, **2014**.

24. Urmila Sarker, **Md. Aminul Haque***, Abdulla-al-Macktuf, Mousumi Rani, Nargis Akhter, Shamim Ahmed and Md. Kamrul Hasan"Antibacterial, Antioxident and Cytotoxic Activity of the bark Endophyte of Terminalia bellirica" Jagannath Univ. J. Sci. **Vol-3(1)**, 97-104, **2014**.

25. S.M. Sohel Rana, **Md. Aminul Haque***, Mosharof Hossain, S.M.A. Sujan, M.S. Jamaland Md. Ashraful Islam"An Approach to Produce Biodiesel from Non-edible Mahogany seed (Swietenia macrophilla) oil through Pre-esterification and Transesterification" Jagannath Univ. J. Sci. **Vol-4**, 37-44, **2013**.

26. Md. Ashraful Islam, **Md. Aminul Haque***, Md. Mamdudur Rahman, Mohammad Ismail, Mosharof Hossain, S.M.A. Sujan, and M.S. Jamal "Physico-chemical properties and application of biodiesel produced from non-edible rubber (Hevea brasiliensis) seed oil through transesterification" Jagannath Univ. J. Sci. Vol 2, 107-115, **2013**.

27. **Md. Aminul Haque** and Hiroshi Nishino "Facile Access to 3-Hydroperoxy-2,4-pyrrolidinediones Using Manganese(III)-Catalyzed Aerobic Oxidation" Synthetic Communications, Vol 42, 608-619, **2012.**

28. Md. Taifur Rahman, **Md. Aminul Haque**, Hikaru Igarashi and Hiroshi Nishino* "Mn(III)-Initiated Facile Oxygenation of Heterocyclic 1,3-Dicarbonyl Compounds" Molecules, Vol 16, 9562-9581, **2011.**

29. **Md. Aminul Haque**Hayato Ishikawa and Hiroshi Nishino "Spontaneous Conversion of 3-Alkyl-substituted 3-Hydroperoxypyrrolidine-2,4-diones into 5-Alkyl-5-hydroxyoxazolidin-4-ones" Chem. Lett. Vol 40, 1349-1351, **2011.**

30. **Md. Aminul Haque** and Hiroshi Nishino "Synthesis of Peroxylactones Using Mn(III)-Catalyzed Aerobic Oxidaton" Journal of Heterocycles, Vol 83(8), 1783-1805, **2011.**

31. M. Maria Rahman, M. Amirul Islam, M. Afsar Uddin, R. Saha, M. Mostafizur Rahman, M.A. Yousuf, **M.A. Haque**, M.A. Hasnat 'Influence of Irradiation on Fenton Degradation of Brilliant Red X-3B" International Journal of Chemical Reactor Engeneering. **2010**, 8, A144.

32. **Md. Aminul Haque** and Hiroshi Nishino "Expedient Synthesis of 8-Aza-1-hydroxy-2,3-dioxabicyclo[4.3.0]nonan-7-ones Using Manganese(III)-Catalyzed Aerobic Oxidation" Heterocyclic Communications, Vol 16(4-6), 209-212, **2010**.

33. M. Shawkat Hossain, **M. Aminul Haque**, M. Rezaur Rahman, M. Mosihuzzaman, and Nilufar Nahar, M. Ziaur Rahman, S. I. Khan, "Isolation of Bioactive Compounds from the Endophytic Fungus of Azadirachata indica" J. Bang. Chem. Soc. **2007**, 20(1), 19-25.

34. **Md. Aminul Haque**, M. Shawkat Hossain, M. Z. Rahman, M. Rezaur Rahman, Md. Sohrab Hossain, M. Mosihuzzaman, Nilufar Nahar, and S. I. Khan, "Isolation of Bioactive Secondary Metabolites from the Endophytic Fungus of Ocimumbasilicum" Dhaka Univ. J. Pharma. Sci. **2005**, 4(2), 127-130.

Conference papers

1. **Md. Aminul Haque*** and Mohammad Mostafizur Rahman and Mohammad Sayed Alam"Synthesis, Biological Evaluation and **In Silico** Studies of New Phenoxy-Thiazole-Schiff base Derivatives" "BCSIR Congress-2024" Theme-Smart Bangladesh of Tomorrow is the Science of Today 08-10 March, **2024**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh, Abstracts, IL-K5

2. Mohammad Mostafizur Rahman, Farid Uddin Ahmed and **Md. Aminul Haque** "Novel 5-MethylFuran-Thiazole-Schiff Base Derivatives: ynthesis, Biological Activity and In Silico Studies" "BCSIR Congress-2024" Theme-Smart Bangladesh of Tomorrow is the Science of Today 08-10 March, **2024**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh, Abstracts, PP-1983

3. Mohammad Mostafizur Rahman, Md. Khalilur Rahman and **Md. Aminul Haque**"Thiazole-Schiff Base Based Three Components One-Pot Synthesis: Biological Activities and computational Studies" "BCSIR Congress-2024" Theme-Smart Bangladesh of Tomorrow is the Science of Today 08-10 March, **2024**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh, PP-410

4. **Md. Aminul Haque*** and Mohammad Mostafizur Rahman and Md. Abdur Razzak "Synthesis, antimicrobial, antioxidant and computational study of new transition metal complexes of thiazole-Schiff base derivatives" "IIChE - CHEMCON 2023." Theme-Energy Transition: Challenges & Opportunities ,76th Annual Session of Indian Institute of Chemical Engineers 27-30 December, **2023**, Indian Institute of Chemical Engineers, Heritage Institute of Technology, Kolkata Abstracts, BBE-OP22

5. **Md. Aminul Haque,** TasnimrahmanandMohammad Mostafizur Rahman "Novel Fluorene containing Thiazole-Schiff base derivatives: Synthesis, biological activity and Computational Study" 1st International Conference on Nano-bio and Advanced materials Engineering (NAME-2023), 07-08 January, **2023**, Department of Chemical Engineering, JUST, Cox's Bazar, Bangladesh, Abstracts, NBM-O-10, Page-42.

6. Mohammad Mostafizur Rahman, Samira Jarin Khan and **Md. Aminul Haque*** "Synthesis, Antimicrobial and antioxidant Activity with Molecular Docking Studies of Thiophene-, Benzothiophene-, and Indole-Thiazole Schiff Base Derivatives" 1st International Conference on Nano-bio and Advanced materials Engineering (NAME-2023), 07-08 January, **2023**, Department of Chemical Engineering, JUST, Cox's Bazar, Bangladesh, Abstracts, NBM-O-04, Page-38.

7. Farid uddinahmed, **Md. Aminul Haque** andMohammad Mostafizur Rahman "Synthesis, Biological Activity, Molecular Docking and Dynamic Studies of Methylfuran-Thiazole Derivatives" 1st International Conference on Nano-bio and Advanced materials Engineering (NAME-2023), 07-08 January, **2023**, Department of Chemical Engineering, JUST, Cox's Bazar, Bangladesh, Abstracts, NBM-P-03, Page-47.

8. Sumita SazninMarufa, **Md. Aminul Haque** andMohammad Mostafizur Rahman "Synthesis of novel Carbazole-thiazole derivatives with antimicrobial, antioxidant activity and docking study" 1st International Conference on Nano-bio and Advanced materials Engineering (NAME-2023), 07-08 January, **2023**, Department of Chemical Engineering, JUST, Cox's Bazar, Bangladesh, Abstracts, NBM-P-05, Page-48.

9. **Md. Aminul Haque*** Sanjay Datta, Mohammad Mostafizur Rahman and Mohammad Sayed Alam "Novel halogen substituted ortho-hydroxy benzene ring containing thiazole-Schiff base derivatives: synthesis, biological evaluation and computational studies" "BCSIR Congress-2022" Theme-Integrated Approach for Adapting 4IR 01-03 December, **2022**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh, Abstracts, IL-D-02, Page-165.

10. **Md. Aminul Haque*** Nabila Akterand Mohammad Mostafizur Rahman "Synthesis, biological activity and computational study of transition metalcomplexes of new 2-(2-hydrazinyl) thiazole derivatives"1st International Conference on Frontier in Sciences(**ICFS**)" 11-12November, **2022**, Faculty of Science (BUET), Dhaka, Bangladesh, Abstracts, Chem IL-3B, Page-30.

11. **Md. Aminul Haque*** and Mohammad Mostafizur Rahman "New transition metal complexes of thiazole-Schiff base ligands; Synthesis, antimicrobial, antioxidant & computational study" "International Conference on Science and Technology for Celebrating the Birth Century of Bangabandhu (**ICSTB**)" 11-13 March, **2021**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh, Abstracts, IL-D-02, Page-165.

12. Mohammad Mostafizur Rahman***** and **Md. Aminul Haque** "Synthesis of insect GABA receptors targeting 3-substituted iminopyridazines" "International Conference on Science and Technology for Celebrating the Birth Century of Bangabandhu (**ICSTB**)" 11-13 March, **2021**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh, Abstracts, IL-D-04, Page-272.

13. **Md. Aminul Haque*,** Fahmida Akhter and Mohammad Mostafizur Rahman "New chalcone derivatives: Synthesis, antimicrobial, antioxidant and computational study" "International Conference on Science and Technology for Celebrating the Birth Century of Bangabandhu (**ICSTB**)" 11-13 March, **2021**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh , Abstracts, OP-D-16, Page-221.

14. **Md. Aminul Haque*,** Md. Ziaur Rahman Pias and 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 & docking study" "International Conference on Science and Technology for Celebrating the Birth Century of Bangabandhu (**ICSTB**)" 11-13 March, **2021**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh , Abstracts, OP-D-28, Page-321.
15. Mohammad Mostafizur Rahman*****, Khadiza Akter and **Md. Aminul Haque** " Synthesis, antimicrobial activity and computational study of indole moiety containing thiazole-Schiff base derivatives" "International Conference on Science and Technology for Celebrating the Birth Century of Bangabandhu (**ICSTB**)" 11-13

March, **2021**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh , Abstracts, OP-D-32, Page-362.

16. **Md. Aminul Haque*,** Tasnim Rahman and 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 Century of Bangabandhu (**ICSTB**)" 11-13 March, **2021**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh , Abstracts, PP-04, Page-394.

17. **Md. Aminul Haque*,** Rownok Jahan and 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 Century of Bangabandhu (**ICSTB**)" 11-13 March, **2021**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh , Abstracts, PP-07, Page-396.

18. Mohammad Mostafizur Rahman*****, Sohana Afrin and **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 Century of Bangabandhu (**ICSTB**)" 11-13 March, **2021**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh , Abstracts, PP-08, Page-397.

19. **Md. Aminul Haque*,** Nabila Akter, Sanjay Datta and Mohammad Mostafizur Rahman "Antimicrobial, antioxidant and 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 Century of Bangabandhu (**ICSTB**)" 11-13 March, **2021**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh , Abstracts, PP-26, Page-406.

20. Mohammad Mostafizur Rahman*****, Atika Mim and **Md. Aminul Haque** " Highly active antimicrobial drug like novel furan-thiazole-Schiff base derivatives: Synthesis and computational study" "International Conference on Science and Technology for Celebrating the Birth Century of Bangabandhu (**ICSTB**)" 11-13 March, **2021**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh , Abstracts, PP-27, Page-407.

21. Mohammad Mostafizur Rahman*****, Samira Jarin Khan and **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 Century of Bangabandhu (**ICSTB**)" 11-13 March, **2021**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh , Abstracts, PP-28, Page-407.

22. **Md. Aminul Haque*,** Md. Abdur Razzak and Mohammad Mostafizur Rahman "Synthesis, antimicrobial and Computational Study of Transition Metal complexes of Noble Schiff base-thiazole derivatives" "International Conference on Recent Advances in Chemistry" **ICRAC**, 07-08 February, **2020**, Department of chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-14, Page-143.

23. **Md. Aminul Haque*,** Tanmoy Kumar Kundu and Mohammad Mostafizur Rahman "Synthesis of novel thiazole-schiff base derivatives contain furan moiety and study of their antimicrobial and antioxidant activity" "International Conference on Recent Advances in Chemistry" **ICRAC**, 07-08 February, **2020**, Department of chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-15, Page-144.

24. **Md. Aminul Haque*,** Md. A. B. Siddique and Mohammad Mostafizur Rahman "Synthesis, Characterization and Antimicrobial Activity study of Noble Schiff bases and their metal complexes containing thiazole moiety" "International Conference on Recent Advances in Chemistry" **ICRAC**, 07-08 February, **2020**, Department of chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-18, Page-146.

25. **Md. Aminul Haque*,** Md. Ziaur Rahman Pias and Mohammad Mostafizur Rahman "Synthesis, characterization, antimicrobial activity and docking study of NobleSchiff bases and their metal complexes containing thiazole" "International Conference on Recent Advances in Chemistry" **ICRAC**, 07-08 February, **2020**, Department of chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-13, Page-142.

26. **Md. Aminul Haque*,** Nabila Akter and Mohammad Mostafizur Rahman "Synthesis, Antimicrobial Activity and Docking Study of Transition metalcomplexes of New 2-(2-hydrazinyl) thiazole derivatives" "International Conference on Recent Advances in Chemistry" **ICRAC**, 07-08 February, **2020**, Department of chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-11, Page-141.

27. Mohammad Mostafizur Rahman**,** Khadiza Akter and **Md. Aminul Haque** "Synthesis of novel thiazole-Sciff base derivatives contain indole moiety and studyof their antimicrobial and antioxidant activity" "International Conference on Recent Advances in Chemistry" **ICRAC**, 07-08 February, **2020**, Department of chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-16, Page-145.

28. **Md. Aminul Haque*,** Fahmida Akhter and Mohammad Mostafizur Rahman "Synthesis, Antimicrobial activity and Computational study of Some NewHeterocycles from Chalcone Derivatives Contain Pyridine Ring" "International Conference on Recent Advances in Chemistry" **ICRAC**, 07-08 February, **2020**, Department of chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-12, Page-141.
29. **Md. Aminul Haque*,** Ismail Mamun and Mohammad Mostafizur Rahman and "Synthesis of some new Thiazole derivatives and study of their antimicrobial activity" "International Conference on Recent Advances in Chemistry" **ICRAC**, 07-08 February, **2020**, Department of chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-17, Page-145

30. **Md. Aminul Haque*,** Rownok Jahan and Mohammad Mostafizur Rahman and "Synthesis, antimicrobial, antioxidant activity and computational study of transition metal complexes of new thiazole-schiff base derivatives" "International Conference on Recent Advances in Chemistry" **ICRAC**, 07-08 February, **2020**, Department of chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-26, Page-152.

31. **Md. Aminul Haque*,** Rownok Jahan and Mohammad Mostafizur Rahman and "Synthesis, antimicrobial, antioxidant activity and computational study of transition metal complexes of new thiazole-schiff base derivatives" "International Conference on Recent Advances in Chemistry" **ICRAC**, 07-08 February, **2020**, Department of chemistry, Jagannath University, Dhaka-1100, Bangladesh, Abstracts, PP-B-26, Page-152.

32. **Md. Aminul Haque*** "Mn(III)-catalyzed aerobic oxidation of tetramic acid derivatives and study of the rearrangement products " International Conference on Chemical Science & Technology, 24-25 February, **2018**, Department of chemistry, Khulna University of Enginnering& Technology, Khulna-9203, Bangladesh, Abstracts, IL/C9.

33. 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 Enginnering& Technology, Khulna-9203, Bangladesh, Abstracts, PP 02.

34. 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 Enginnering& Technology, Khulna-9203, Bangladesh, Abstracts, PP 23.

35. **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 Enginnering& Technology, Khulna-9203, Bangladesh, Abstracts, PP 72.

36. Md. Monarul Islam, Md. Shafiqual Islam, Ismet Ara Jahan, A. H. M. shofiqul Islam and **Md. Aminul Haque**, "Synthesis of chitosane succinate and trimellate chloride" International Conference on Chemical Science & Technology, 24-25 February, **2018**, Department of chemistry, Khulna University of Enginnering& Technology, Khulna-9203, Bangladesh, Abstracts, PP 73.

37. **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 benzldehyde" International Conference on Chemical Science & Technology, 24-25 February, **2018**, Department of chemistry, Khulna University of Enginnering& Technology, Khulna-9203, Bangladesh, Abstracts, PP 74.

38. **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 Enginnering& Technology, Khulna-9203, Bangladesh, Abstracts, PP 75.

39. 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 Enginnering& Technology, Khulna-9203, Bangladesh, Abstracts, PP 90.

40. **M. A. Haque***, M. Z. sarker, S. Ahmed, M. Mostafa "Determination of PAHs in the water and sediment of Hatirjheel lake using GC-MS and study of the water quality parameter" Symposium on Environmental Chemistry for Securing Water Quality, 30 July, **2017**, Bangladesh Journal of Scientific and Industrial Research, ISSN: 0304-9809, eISSN: 2224-715, OP B7, Vol. 52(Special issue) **2017**.

41. S. Siraj, S. Ahmed, M. A. Akbor, **M. A. Haque**, and M. A. Ahsan "PAHs and VOCs-A new threat to our environment in Bangladesh" Symposium on Environmental Chemistry for Securing Water Quality, 30 July, **2017**, Bangladesh Journal of Scientific and Industrial Research, ISSN: 0304-9809, eISSN: 2224-715, OP C6, Vol. 52(Special issue) **2017**.

42. Fahmida sultana, TasnuvaTanzir, **Md. Aminul Haque***, Mohammad Mostafizur Rahman, Shamim Ahmed "Antimicrobial activity study of the fungul extracts of Piper chaba and Swertia chirata" 38th annual conference, 31 March, **2017**, Bangladesh Chemical Society, Chittagong Region, Bangladesh, Abstracts, P 99.

43. 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 guajva and antimicrobial activity study of the fungul extracts" 38th annual conference, 31 March, **2017**, Bangladesh Chemical Society, Chittagong Region, Bangladesh, Abstracts, P 98.

44. Samiron Kumar, Din Islam, **Md. Aminul Haque***, Mohammad Mostafizur Rahman, "Synthesis of Gabazine based 3-substituted Iminopyridazine Butanoic Acids" 38th annual conference, 31 March, **2017**, Bangladesh Chemical Society, Chittagong Region, Bangladesh, Abstracts, P 97.

45. Tahmina Akter Chowdhury, Zakia Islam, **Md. Aminul Haque**, Mohammad Mostafizur Rahman*, "Synthesis of Gabazine based 3-substituted Iminopyridazinebutyronitriles" 38th annual conference, 31 March, **2017**, Bangladesh Chemical Society, Chittagong Region, Bangladesh, Abstracts, P 95.

46. Md. Din Islam, Mohammad Mostafizur Rahman, **Md. Aminul Haque***, "Synthesis of 3-substituted 4-(1,6-dihydro-6-iminopyridazine-1-yl) butanoic acids" 38th annual conference, 31 March, **2017**, Bangladesh Chemical Society, Chittagong Region, Bangladesh, Abstracts, P 84.

47. Din Islam, **Md. Aminul Haque***, Hiroshi Nishino"Palladium-catalyzed reduction of peroxylactones to concave bicyclic lactones" 16th Asian chemical congress (**16acc**), 16-19 March, **2016**, Buet, Dhaka, Bangladesh, Abstracts, P 87.

48. H.M. Emran Hossain, **Md. Aminul Haque**, Shamim Ahmed, Nasim Sultana" Identification and quantification of PAH's, NSH's, VOC's in water and sediment of buriganga river by GC" 16th Asian chemical congress (**16acc**), 16-19 March, **2016**, Buet, Dhaka, Bangladesh, Abstracts, P 355.

49. S. M. Sohel Rana, Md. Jahangir Alam, **Md. Aminul Haque**, M. Hossain, S. M. A. Sujan, M. S. Jamal "Production of bio-diesel from noneidble oil sources" 16th Asian chemical congress (**16acc**), 16-19 March, **2016**, Buet, Dhaka, Bangladesh, Abstracts, P 399.

50. Md. Jahangir Alam, S. M. Sohel Rana, Md. Jahangir Alam, **Md. Aminul Haque**, M. Hossain, S. M. A. Sujan, M. S. Jamal "Production of bio-diesel from noneidble oil (Karanja) sources" 16th Asian chemical congress (**16acc**), 16-19 March, **2016**, Buet, Dhaka, Bangladesh, Abstracts, P 396.

51. Md. Touhidur Rahman, **Md.Aminul Haque**, Md. Saiful Islam "Preparation and characterization of activated carbon & amorphous silica from waste biomass (rice husk)" 16th Asian chemical congress (**16acc**), 16-19 March, **2016**, Buet, Dhaka, Bangladesh, Abstracts, P 398.

52. Mahe Zami Sarkar, Pintu Chandra Das, **Md. Aminul Haque**, Md. AhedulAkbor**,** Nasim Sultana, " Determination of organic pollutants in the water and sediment of shitolokkha river by gc-ms" 16th Asian chemical congress (**16acc**), 16-19 March, **2016**, Buet, Dhaka, Bangladesh, Abstracts, P 355.

53. Shanchita paul, **Md. Aminul Haque**, S. Ahmed, N. Sultana, " Isolation of bioactive compounds and identification of heavy metals from the root of hemidesmus indicus" 16th Asian chemical congress (**16acc**), 16-19 March, **2016**, Buet, Dhaka, Bangladesh, Abstracts, P 436.

54. Nargis Akter, **Md. Aminul Haque**, M. Hossain, S. M. A Sujan. M. S. Jamal, "Production of biomass pellets from different sawdust to enhance fuel efficiency" 16th Asian chemical congress (**16acc**), 16-19 March, **2016**, Buet, Dhaka, Bangladesh, Abstracts, P 397.

55. Mousumi rani, **Md. Aminul Haque**, Tahmina Afroz, "Chemical and Biological Screening of the Bark Endophytes of Ocimum sanctum (Tulsi)" 16th Asian chemical congress(16acc), 18-21 March, **2016**, Buet, Dhaka, Bangladesh, Abstracts, P 438.

56. **M. A. Haque,** M.A.A Macktuf, M.R. Rajbongshi, M.M. Khatun"Chemrawn XX 20th IUPAC Conference On Chemical Research Applied To World Needs" 06-09 November **2015**, Dhaka, Bangladesh.

57. N. Akhter, **M. A. Haque**, M. Hossain, S. M. A Sujan. M. S. Jamal "Production of biomass pellets from different sawdust to enhance fuel efficiency" The 37th annual conference of Bangladesh chemical society, Comilla University, April, 11, **2015**,

Abstracts, P 64.

58. H. M. E. Hossain, **M. A. Haque**, S. Ahmed, N. Sultana "Identification and quantification of PAHs in water & sediment of Buriganga river and industrial effluents near Buriganga by GC-MS" The 37th annual conference of Bangladesh chemical society, Comilla University, April, 11, **2015**, Abstracts, P 63.

59. M. J. alam, S. m. S. Rana, **M. A. Haque**, M. Hossain, S. M. A Sujan. M. S. Jamal "An approach to produce biodiesel from Karanja (Pongamia pinnata) seed oil and improvement of its oxidation stability" The 37th annual conference of Bangladesh chemical society, Comilla University, April, 11, **2015**, Abstracts, P 63.

60. S. Paul, **M. A. Haque**, S. Ahmed, N. Sultana "Isolation of bioactive compounds and identification of heavy metals from the root of Hemidesmus indicus" The 37th annual conference of Bangladesh chemical society, Comilla University, April, 11, **2015**, Abstracts, P 62.

61. S.M. Sohel Rana, **Md. Aminul Haque**, Mosharof Hossain, S.M.A. Sujan and M.S. Jamal"An Approach to Produce Biodiesel from Non-edible Mahogany seed (Swietenia macrophilla) oil through Pre-esterification and Transesterification and improvement of oxidation stability by addition of phenolic antioxidant" The 36th annual conference of Bangladesh chemical society, Hajee Mohammad Danesh Science and Technology University, March, 01, **2014**, Abstracts, P 5.

62. Md. Ashraful Islamand**Md. Aminul Haque**, "Optimization of reaction condition for rubber seed oil biodiesel and improvement of oxidation stability by addition of phenolic antioxidant", The 35th International Conference of Bangladesh Chemical Society, BCSIR, December 27-29th, **2012**, Abstracts, p77.

63. **Md. Aminul Haque** and Hiroshi Nishino, Manganese(III)-Catalyzed Hydroperoxidation of Pyrrolidine-2,4-dione Derivatives, The 46th International Symposium on Kyushu Branches of Chemistry Related Societies, Kitakyushu, July 11th, **2009**, Abstracts, p 389.

64. **Md. Aminul Haque** and Hiroshi Nishino, Manganese(III)-Catalyzed Aerobic Oxidation of 2,4-Pyrrolidinedione Derivatives, The 11th International Kyoto Conference on New Aspects of Organic Chemistry (IKOCK-11), November 10th, **2009**, Abstracts, p 121.

65. **Md. Aminul Haque** and Hiroshi Nishino, Synthesis of Hydroperoxy-2,4-pyrrolidinediones Using Manganese(III)-Catalyzed Aerobic Oxidation, The 3rd International Student Conference on Advance Science And Technology (ICAST), Seoul, Korea, December 11-12, **2009**, p 43-44.

66. **Md. Aminul Haque** and Hiroshi Nishino, Manganese(III)-Catalyzed Aerobic Oxidation of Tetronic Acid Derivatives, The 47th International Meeting on Chemistry in Kitakyushu, Kitakyushu, July 10th, **2010**, Abstracts, p 429.

67. **Md. Aminul Haque** and Hiroshi Nishino, Manganese(III)-Catalyzed Aerobic Oxidation of Tetramic Acid and Tetronic Acid Derivatives, 2010 International

Chemical Congress of Pacific Basin Societies Honolulu, Hawaii December 15-20, **2010**.

68. **Md. Aminul Haque**"Study on the Mn(III)-Catalyzed Aerobic Oxidation of Tetramic Acid and Tetronic Acid Derivatives." 1st Symposiun of Organic Chemistry at Kumamoto, March 5th, **2011**, Science Faculty,Kumamoto University.

69. **Md. Aminul Haque** and Hiroshi Nishino, Manganese(III)-Catalyzed Aerobic peroxidation of Tetramic Acid and Tetronic Acid Derivatives and the related reactions, The 91st Annual Meeting of CSJ, Kanagawa university, Yokohama, Tokyo, March 27-29, **2011**.

70. **Md. Aminul Haque** and Hiroshi Nishino, "Study on Mn (III)-Based oxidation of Tetramic Acid and Tetronic Acid Derivatives", Banyo Foundation Symposium, Kyushu University, Fukuoka, May 21, **2011**.

InvitedTalks

a) **Md. Aminul Haque*** and Mohammad Mostafizur Rahman and Mohammad Sayed Alam "Synthesis, Biological Evaluation and **In Silico** Studies of New Phenoxy-Thiazole-Schiff base Derivatives" "BCSIR Congress-2024" Theme-Smart Bangladesh of Tomorrow is the Science of Today 08-10 March, **2024**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh.Abstract-IL-K5

b) **Md. Aminul Haque*** Sanjay Datta, Mohammad Mostafizur Rahman and Mohammad Sayed Alam "Novel halogen substituted ortho-hydroxy benzene ring containing thiazole-Schiff base derivatives: synthesis, biological evaluation and computational studies" "BCSIR Congress-2022" Theme-Integrated Approach for Adapting 4IR 01-03 December, **2022**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh, Abstracts, IL-D-02, Page-165.

c) **Md. Aminul Haque*** Nabila Akter and Mohammad Mostafizur Rahman "Synthesis, biological activity and computational study of transition metal complexes of new 2-(2-hydrazinyl) thiazole derivatives "1st International Conference on Frontier in Sciences(**ICFS**)" 11-12 November, **2022**, Faculty of Science (B UET), Dhaka, Bangladesh, Abstracts, Chem IL-3B, Page-30.

d) **Md. Aminul Haque*** and Mohammad Mostafizur Rahman "New transition metal complexes of thiazole-Schiff base ligands; Synthesis, antimicrobial, antioxidant & computational study" "International Conference on Science and Technology for Celebrating the Birth Century of Bangabandhu (**ICSTB**)" 11-13 March, **2021**, Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka-1205, Bangladesh, Abstracts, IL-D-02, Page-165.

e) **Md. Aminul Haque*** "Mn(III)-catalyzed aerobic oxidation of tetramic acid derivatives and study of the rearrangement products" International Conference on Chemical Science & Technology, 24-25 February, **2018**, Department of chemistry, Khulna University of Engineering& Technology, Khulna-9203, Bangladesh, Abstracts, IL/C9

Seminar Attended:

1. National seminar on Antidiabetic plant materials: Separation techniques and biological testing organized by Asian Network of Research on antidiabetic plants (ANRAP) on October. 17**. 2003**. Dhaka. Bangladesh

2. Fourth International seminar on plant materials as a source of antidiabetic agents organized by Asian Network of Research on antidiabetic plants (ANRAP), January. 16-18. **2004** Kolkata. India.

3. Bangladesh Chemical Congress **2004** (27th Annual conference of Bangladesh Chemical Society).ThemeChemistry Education for National Development. 9-11 December 2004, at Teacher Student Centre, University of Dhaka, Dhaka-1000, Bangladesh.

4. Bangladesh Chemical Congress **2011** (34th Annual conference of Bangladesh Chemical Society). 19-20 December 2011, at IDEB Bhaban, Dhaka, Bangladesh.

5. 36th Annual Conference **2013**, Bangladesh Chemical Society, Haji Mohammad Danesh Science and Technology University, Dinajpur, Bangladesh, 1 March. 2014

Reviewer:

a) Journal of Food Science and Nutrition
b) Journal of Chemical Health Risks.
c) Journal of Bangladesh Chemical Society.
d) Dhaka University Journal of Science.
e) Comilla University Journal of Science.
f) Barisal University Journal of Science and Engineering.

Editorial Board Member:

- Worked as Associate Editor in the Jagannath University Journal of Science
- Worked as Associate Editor in the Barisal University Journal of Science and Engineering

RESEARCH FUNDING

Project Title: Synthesis of Antimicrobial drug like fused thiazole-chalcone Schiff base derivatives
Source of Support : Ministry of Science and Technology
AwardID: PHY's 45
Grant Amount: 3,00,000 Taka;Period: 2016 –2017
Role: PI; Co-Investigators: Prof. Dr. Mohammad Mostafizur Rahman, Junaid Uddin Ahmed.

Project Title: Synthesis, Antimicrobial activity and Docking study of Transition Metal complexes of Novel Napthylidenehydrzinyl Thiazole ethanone Ligand
Source of Support: Ministry of Science and Technology
AwardID: PHY's
Grant Amount: 5,00,000 Taka;Period: 2019 –2020
Role: PI; Co-Investigators: Prof. Dr. Gulshan Ara

Project Title: New hydrazinyl thiazole derivatives: Synthesis, Antimicrobial Activity and Computational Study
Source of Support: Ministry of Science and Technology

AwardID: PHY's 553
Grant Amount: 2,50,000 Taka;Period: 2020 –2021
Role: PI; Co-Investigators: Prof. Dr. Gulshan Ara

Project Title: Hybrid 4-Nitrophenylfuran based thiazole Antimicrobial Activity and Computational Study
Source of Support: Ministry of Science and Technology
Award ID: PS2016288
Grant Amount: 3,00,000 Taka;Period: 2023 –2024
Role: PI; Co-Investigators: Prof. Dr. Gulshan Ara, Researcher Id: **R2311600027**

Project Title: Study of the Endophytic Fungus of Swertia chirata (Chirata) for the Isolation of Biological Active Secondary Metabolites and Screening for the Biological Activity of the Isolated Products
Source of Support: Education Ministry AwardID:PS2016288
Grant Amount: 10,00,000 Taka;Period: 2015 –2017
Role: PI; Co-Investigators: Prof. Mohammad Mostafizur Rahman

Project Title: Novel Fluorene-Thiazole-Schiff base Derivatives: Synthesis, Antimicrobial, Antioxidant Activity and Computational Study
Source of Support: Education Ministry Award ID: PS20201511
Grant Amount: 22,00,000 Taka;Period: 2020 –2023
Role: PI; Co-Investigators: Prof. Dr. Gulshan Ara

Project Title: Study of the Endophytic Fungus of Terminalia arjuna (Arjun) and Lannea Coromandalica (Jiga) for the isolation of biological active secondary metabolites and screening for the biological activity of the isolated products.
Source of Support: University Grants Commission
Grant Amount: 1,50,000 Taka;Period: 2015 –2016
Role: PI; Co-Investigators: Dr. Mohammad Mostafizur Rahman

Project Title: Synthesis, antimicrobial activity and computational study of some new Thiazole-Schiff base compounds containing Indole moiety
Source of Support: University Grants Commission
Grant Amount: 3,00,000 Taka;Period: 2018 –2019
Role: PI; Co-Investigators: Dr. Mohammad Mostafizur Rahman

Project Title: Transition metal complexes of new Ethyl 2-[(N)-2-[2-hydroxynapthayl) methylidene] hydrazin-1-yl]-4-methyl-1,3-thiazole-5-carboxylate ligand; synthesis, antimicrobial activity and computational study
Source of Support: University Grants Commission
Grant Amount: 3,00,000 Taka;Period: 2021 –2022
Role: PI; Co-Investigators: Prof. Dr. Mohammad Mostafizur Rahman

THESIS SUPERVISSION:

PhD: Supervisor

1. **Md. Mizanur Rahman**
   January 2022-Present
   Major Research Area-Organic Synthesis

2. **Rownok Jahan**
   May 2024-Present
   Major Research Area-Organic Synthesis

MPhil Thesis: Supervisor

1. **Rownok Jahan**
   2020-2023
   Major Research Area-Organic Synthesis (Completed)

MPhil Thesis: Supervisor

1. **Fatamatuz Zohora Sarkar**
   2024-Present
   Major Research Area-Organic Synthesis

2. **Md. Shariful Alam Khan**
   2024-Present
   Major Research Area-Organic Synthesis

MPhil Thesis: Co-Supervisor

3. **Md. Farid Uddin Ahmed**
   2022-Present
   Major Research Area-Organic Synthesis

4. **Md. Khalilur Rahman**
   2022-Present
   Major Research Area-Organic Synthesis

MSc Thesis: Supervisor (13th Batch)

1. **Joya Rani Debnath**
   2023-Present
   Major Research Area-Organic Synthesis

2. **Sumita SazninMarofa (11th Batch)**
   2022-2023
   Major Research Area-Organic Synthesis

3. **Sohana Afrin (10th Batch)**
   2021-2022
   Major Research Area-Organic Synthesis

4. **Sanjay Datta (10th Batch)**
   2021-2022
   Major Research Area-Organic Synthesis

5. **Ziaur Rahman Pias (9th Batch)**
   2020-2021
   Major Research Area-Organic Synthesis

6. **Nabila Akter (9th Batch)**
   2020-2021
   Major Research Area-Organic Synthesis

7. **Md. Abdur Razzak (8th Batch)**
   2019-2020
   Major Research Area-Organic Synthesis

8. **Md. Ismail Mamun (8th Batch)**
   2019-2020
   Major Research Area-Organic Synthesis

9. **Tonmoy Kundu (8th Batch)**
   2019-2020
   Major Research Area-Organic Synthesis

10. **Shahajada Shah (7th Batch)**
    2018-2019
    Major Research Area-Organic Synthesis

11. **Md. Safiqual Jony (7th Batch)**
    2018-2019
    Major Research Area-Chitosan Synthesis

12. **Mithun Shanta (7th Batch)**
    2018-2019
    Major Research Area- Natural Product Chemistry

13. **Fahmida Sultana (6th Batch)**
    2017-2018
    Major Research Area-Natural Product Chemistry

14. **Md. Monirul Islam (6th Batch)**
    2017-2018
    Major Research Area- Natural Product Chemistry

15. **Samiron Ghosh (6th Batch)**
    2017-2018
    Major Research Area- Natural Product Chemistry

16. **Md. Din Islam (5th Batch)**
    2017-2018
    Major Research Area- Organic Synthesis

17. **Tahera Khanam (5th Batch)**
    2017-2018
    Major Research Area- Natural Product Chemistry

18. **Mahe Zami Sarker (5th Batch)**
    2017-2018
    Major Research Area- Organic Pollutants

19. **Shahanaj Akter (4th Batch)**
    2016-2017
    Major Research Area- Natural Product Chemistry

20. **Setu Zaman (4th Batch)**
    2016-2017
    Major Research Area- Organic Pollutants

21. **Mahbuba Mou (4th Batch)**
    2016-2017
    Major Research Area- Natural Product Chemistry

22. **Md. Jahangir Alam (3rdBatch)**
    2015-2016
    Major Research Area- Biofuel

23. **Nargis Akter (3rdBatch)**
    2015-2016
    Major Research Area- Biofuel

24. **Md. Emran Hossain (3rdBatch)**
    2015-2016
    Major Research Area- Organic Pollutants

25. **MousumiRajbongshi (3rd Batch)**
    2015-2016
    Major Research Area- Natural Product Chemistry

26. **Md. Sohel Rana (2nd Batch)**
    2014-2015
    Major Research Area- Biofuel

27. **Mona Paul (2nd Batch)**
    2014-2015
    Major Research Area- Natural Product Chemistry

28. **Md. Joynul Abedin (2nd Batch)**
    2014-2015
    Major Research Area- Heavy Metals

29. **Abdullah Al Macktuf (1stBatch)**
    2013-2014
    Major Research Area- Natural Product Chemistry

30. **Urmila Sarker (1st Batch)**
    2013-2014
    Major Research Area- Natural Product Chemistry

31. **Pintu Chandra Das (1st Batch)**
    2013-2014
    Major Research Area- Organic Pollutants

32. **Sawn Sharothi (1st Batch)**
    2013-2014
    Major Research Area- Activated Carbon

33. **Ashraful Islam (1st Batch)**
    2013-2014
    Major Research Area- Biofuel

MSc Thesis: Co-Supervisor

34. **Rakib Hossen (11th Batch)**
    2022-23
    Major Research Area-Organic Synthesis

35. **Morium Akter Mim (13th batch)**
    2023-Present
    Major Research Area-Organic Synthesis

36. **Tasnim Rahman (10th Batch)**
    2021-22
    Major Research Area-Organic Synthesis

37. **Samira Jarin Khan(10th batch)**
    2021-2022
    Major Research Area-Organic Synthesis

38. **Atika Mim (10th batch)**
    2021-2022
    Major Research Area-Organic Synthesis

39. **Fahmida Eva (9th batch)**
    2020-2021
    Major Research Area-Organic Synthesis

40. **KhadizaMeheli (9th batch)**
    2020-2021
    Major Research Area-Organic Synthesis

41. **Md. Rafiqul Islam (8th batch)**
    2019-2020
    Major Research Area-Organic Synthesis

42. **A. B. Siddique (8th batch)**
    2019-2020
    Major Research Area-Organic Synthesis

43. **Pabitra Kumar Ghosh (7th batch)**
    2018-2019
    Major Research Area- Synthesis

44. **Md. Fajlur Rahman (7th batch)**
    2018-2019
    Major Research Area- Analytical Chemistry

45. **Tahmina Chowdhury (6th batch)**
    2017-2018
    Major Research Area- Organic Synthesis

46. **TasnuvaTanjir (6th batch)**
    2017-2018
    Major Research Area- Natural Product Chemistry

47. **Zakia Islam (5th batch)**
    2016-2017
    Major Research Area- Organic Synthesis

48. **Razia Sultana Popy (5th batch)**
    2016-2017
    Major Research Area- Natural Product Chemistry

49. **Sayed Hizbullah (5th batch)**
    2016-2017
    Major Research Area- Analytical Chemistry

Best Presenter Award

1. One of my research Students **Shanchita Paul** has got 2nd best poster presenter award and another research student **H. M. Emran Hossain** has got 3rd best poster presenter

awardby presenting their research work in the field Natural products and Organic pollutants, on 37th Annual Conference, Bangladesh Chemical Society, Comilla University, Bangladesh, 11 April. 2015

2. One of my research Student **S. M. Sohel Rana** has got best oral presenter award by presenting his research work in the field Biofuel, on 36th Annual Conference **2013**, Bangladesh Chemical Society, Haji Mohammad Danesh Science and Technology University, Dinajpur, Bangladesh, 1 March. 2014

Member:

1. Member of Japanese Chemical society.
2. Member of Bangladesh Society (Membership No- LM-1679)
3. Member of Bangladesh Pharmaceutical Society
4. Member of Network of Instrument Technical Personnel and User Scientist of Bangladesh (NITUB) (LM-213)

Analytical Instrumental skill:

Capable of handling of following instrument

1. NMR, Spectrophotometer
2. FTIR spectrophotometer
3. Near Infrared Spectrophotometer NIR
4. UV-vis Spectrophotometer
5. High Pressure liquid Chromatography
6. Gas Chromatography GC
7. GC-Mass Spectrophotometer
8. Atomic absorption Spectrophotometer AAS
9. Total Organic Carbon analyzer TOC

International Seminar Arrangement: Worked as Secretary for the International conference on Recent Advances in Chemistry (ICRAC-2020)

COURSESTAUGHT

CoursesTaughtatJagannath University:

MPhil

CHE-6121**:** Advanced Organic Reaction Mechanism

MSc

CHE-5121**:** Reaction Mechanism and Advance Stereochemistry

CHE-5151**:** Environmental Chemistry

CHE-5224: Medicinal Chemistry

CHE-5225: Separation and Chromatographic Techniques

BSc

CHE -1121: Fundamentals of Organic Chemistry-I

CHE-1221: Fundamentals of Organic Chemistry-II

CHE-2121: Chemistry of Organic Compounds

CHE-2122: Synthetic Organic Polymer

CHE-2221: Stereochemistry of Organic Compounds

CHEL-2220: Systematic Qualitative Identification of Organic Compounds

CHE-3121: Organic Reaction Mechanism

CHEL-3120: Laboratory Synthesis of Organic Compounds

CHE-3221: Natural Product Chemistry

CHE-3222: Medicinal Chemistry

CHE-4151: Chemical Spectroscopy-II

CHEL-4120: Separation and Quantitative Estimation of Organic Compounds

CHE-4221: Bioorganic Chemistry

CHEL-4220: Chemical Process Industries Lab-II (Organic)

Courses Taught at Pabna University of Science and Technology:

CHE 4231: Advanced Organic Chemistry

CHE 4131: Organic Reagent and Synthesis

Courses Taught at Bangladesh University of Engineering and Technology (BUET):

Chem 114: Inorganic Quantitative Analysis

Chem 116: Inorganic Analysis-II

Courses Taught at Stamford University Bangladesh:

Taught Fundament of Organic, Inorganic and Physical Chemistry Theory Courses and Lab Courses at the Department of Civil Engineering, Department of Microbiology and Department of Farmacy

Last Updated: March 16, 2024