

Curriculum Vitae

Personal Data

Name : Md. Wahidul Islam Ratul, Ph.D.
Date of birth : 1st December, 1992
Personal identity number (Bangladesh) : 914 606 5033
Present address : Department of Chemistry
Gopalganj Science and Technology University
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Personal Profile

Father's Name : Md. Shahidul Islam
Mother's Name : Helena Parveen
Marital Status : Married
Citizenship : Bangladeshi

Degrees

<i>Year</i>	<i>Name of the degree</i>	<i>Subject</i>	<i>Name of the institution</i>	<i>Location (Country, City)</i>
2018 to 2021	Ph.D.	Organic Chemistry	Tokyo Metropolitan University	Japan, Tokyo
2014 to 2015	M.Sc.	Chemistry	Jahangirnagar University	Bangladesh, Dhaka
2011 to 2014	B.Sc.	Chemistry	Jahangirnagar University	Bangladesh, Dhaka
2007 to 2009	H.S.C	Science	Galachipa Degree College	Bangladesh, Barishal
2005 to 2007	S.S.C	Science	Galachipa Model Secondary School	Bangladesh, Barishal

Employment

<i>Year</i>	<i>Position</i>	<i>Name of the department</i>	<i>Name of the institution</i>	<i>Location (Country, City)</i>
July, 2025 to till now	Assistant Professor	Chemistry	Gopalganj Science and Technology University	Bangladesh, Gopalganj
October, 2023 to June, 2025	Lecturer	Chemistry	Gopalganj Science and Technology University	Bangladesh, Gopalganj
May, 2022 to October, 2023	Postdoctoral fellow	Chemical Research Division	Bangladesh Council of Scientific and Industrial Research	Bangladesh, Dhaka
October, 2021 to March, 2022	Visiting Researcher	Chemistry	Tokyo Metropolitan University	Japan, Tokyo

Grants and Scholarships

Year	Name of the grants and scholarships	Name of the institution	Location (Country, City)
2018 to 2021	Tokyo Human Resources Fund for City Diplomacy, Tokyo Metropolitan Government	Tokyo Metropolitan University	Japan, Tokyo
2014 to 2015	National Science and Technology (NST) Fellowship	Ministry of Science and Technology	Bangladesh, Dhaka
2014 to 2015	Subsidiary Merit scholarship (Master's degree)	Jahangirnagar University	Bangladesh, Dhaka
2010 to 2014	Subsidiary Merit scholarship (undergraduate)	Jahangirnagar University	Bangladesh, Dhaka

Language Ability

	Reading	Writing	Listening	Speaking
Bengali	Advanced	Advanced	Advanced	Advanced
English	Advanced	Advanced	Advanced	Advanced
Japanese	Beginner	Beginner	Beginner	Beginner

Research Publications

- Miah, M.J.A., Rahman, M.M., **Islam, M. W.**, Siddiquee, T.A., Islam, S., and Karim, M. M. (2026). Facile C-H bond activation of 2-ethylmercaptobenzothiazole in a tri-osmium carbonyl cluster: Crystal structure of $\text{Os}_3(\text{CO})_{10}(\mu\text{-H})\{\mu\text{N,C-NC}(\text{SC}_2\text{H}_5)\text{SC}_6\text{H}_5\}$. *Journal of Chemical Crystallography*, 56 (1), 1-7.
- Akter, R., Islam, M. M., **Islam, M. W.**, Akter, T., Ali, M. H., Nesa, F., Rahman, S., Alodhayb, A. N., & Georghiou, P. E. (2025). Recent Developments in the Biological Consequences of Certain Chalcone Derivatives. *Chemistry Select*, 10(41), e03482.
- Akter, R., Islam, M.M., **Islam, M.W.**, Akter, T., Paul, T., Rahman, M.M., Uddin, M.T., Rahman, S., Alodhayb, A.N. and Georghiou, P.E., (2025). Extraction procedure and theoretical studies of chitin from black soldier fly. *Journal of Polymer Research*, 32(2), 48.
- Islam, M. W.**, Islam, M. M., Akter, R., Limon, T. R., Vasquez, E. S., Shaikh, M. A. A., and Habib, A. (2024). A review on pyrimidine-based derivatives: Synthesis and their biological application. *Journal of Heterocyclic Chemistry*, 61(7), 1159-1179.
- Islam, M.W.**, Akter, R., Islam, M.M., Islam, R., Jamal, A.S.I.M., Chowdhury, A., Zohora, F.T., Rahman, S., Alodhayb, A., Rony, S.R. and Limon, T.R., (2024). Synthesis, Antibacterial, Antioxidant and DFT Computational Studies of Acetophenone-Based Chalcone Derivatives. *Chemistry Africa*, 7(4), 1803-1816.
- Islam, M. W.**, Saha, J. K., Bhoumik, N. C., Islam, S., & Karim, M. M. (2022). Alkyl 2-benzothiazolyl sulfide ligated dirhenium complexes: Syntheses, structure and computational study of $[\text{Re}_2(\text{CO})_8\{\mu, \kappa^1, \kappa^1-(\text{R})\text{SCNC}_6\text{H}_4\text{S}\}]$ (R= CH_3 and C_2H_5). *Journal of the Iranian Chemical Society*, 19(5), 1943-1952.
- Islam, M. W.**, Akiyama, K., Nishinaga, T., and Sugiura, K. I. (2021). Stereochemistry of six-coordinated tungsten (VI) complexes having one rigid chiral bidentate ligand and two flexible bidentate ligands: Stereo-selective formation of Δ - and Λ -forms induced by the chiral ligand. *Polyhedron*, 207, 115364.

Conference

- Islam, M.W.**, Akter, R., and Islam, M.M., (2024). Exploration of Pyrimidine Derivatives: Synthesis and Spectroscopic Analysis. Paper presented at the BCSIR Congress-2024, organized by the *Bangladesh Council of Scientific & Industrial Research*, Bangladesh, 08-10 March, 2024.
- Islam, M.W.**, Akter, R., Jamal, A.S.I.M., Moulick, S.P., and Islam, M.M., (2022). Synthesis, Spectroscopic and Theoretical Studies of Acetophenone-based Chalcone Derivatives. Paper presented at the BCSIR Congress-2022, organized by the *Bangladesh Council of Scientific & Industrial Research*, Bangladesh, 01-03 December, 2022.

- Islam, M.W.**, Islam, R, and Islam, M.M., (2022). Quantification of Anthracene and Pyrene Using UV-vis Spectrometer in Environmental Sample. Paper presented at the International Conference on Environmental Protection for Sustainable Development (ICEPSD)-2022, organized by the *Bangladesh Council of Scientific & Industrial Research*, Bangladesh, 02-04 September, 2022.
- Islam, M.W.**, Nishinaga, T., and Sugiura, K-i., (2022). Syntheses, Spectroscopic and Electrochemical Analysis of Tungsten(VI) Complexes with pi-Expanded Ligands. Paper presented at the 102nd CSJ Annual Meeting, organized by the *Chemical Society of Japan*, Japan, 23-26 March, 2022.
- Sugiura, K-i., Nishinaga, T., Nagano, K., **Islam, M.W.**, Hirabayashi, K., and Hirabayashi, T., (2022). Natural bond orbital analysis for the molecular structures having electron withdrawing groups. Paper presented at the 102nd CSJ Annual Meeting, organized by the *Chemical Society of Japan*, Japan, 23-26 March, 2022.

Personal Strengths

- ❖ Ability to work in a multi-cultural environment and establish harmonious and effective working relationship both within and outside the organization.
- ❖ Adaptable, conscientious, ambitious and acquire new skills quickly.
- ❖ Excellent communication and presentation skills.
- ❖ Familiar with various Microsoft softwares (MS Word, MS Excel, MS Power point), Igor, ChemDraw 20.1.
- ❖ Demonstrated expertise in a range of analytical techniques, including NMR, UV-Vis, cyclic voltammetry, circular dichroism, IR, and mass spectrometry.

Membership

The Chemical Society of Japan

1-5 Kanda-Surugadai, Chiyoda-ku, Tokyo 101-8307, Japan

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References

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Md. Monarul Islam, Ph.D.

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