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Educational Profile:

PhD, Graduate School of Environmental Studies, Tohoku University, Japan || 2017

MS (Thesis) in Chemistry, Jahangirnagar University, Bangladesh || 2007

BSc (Honors) in Chemistry, Jahangirnagar University, Bangladesh || 2006

Professional Experiences:

1. Professor in Chemistry (February, 2024– till date), Department of Chemistry, Jahangirnagar University, Bangladesh
2. Associate Professor in Chemistry (April, 2019 – February, 2024), Department of Chemistry, Jahangirnagar University, Bangladesh
3. Assistant Professor in Chemistry (April, 2015 – April, 2019), Department of Chemistry, Jahangirnagar University, Bangladesh
4. Lecturer in Chemistry (December, 2011 – March, 2015), Department of Chemistry, Jahangirnagar University, Bangladesh
5. Officer, QC (July, 2011 to December, 2011), BEXIMCO Pharmaceuticals Ltd, Bangladesh
6. Executive, PD (January, 2010 to June, 2011), The ACME Laboratories Ltd, Bangladesh
7. Shift In-Charge, Effluent Treatment Plant (July, 2009 to September, 2009), ACS Textile Ltd, Bangladesh

Scholarship:

1. MEXT Scholarship, Ministry of Japan|| 2014-2017
2. Merit Scholarship, Jahangirnagar University || 2003, 2004, 2005, 2006

Awards / Honor:

1. Special Guest, 'Water Matters', Nobel Prize Dialogue Tokyo 2022, Yokohama, Japan (23 October 2022)
2. JSPS Postdoctoral Fellowship, Japan (26 May 2022 – 25 May 2024)
3. Professional Director for Sustainable Environment (PDSE) by International Environmental Leadership Program, Graduate School of Environmental Studies, Tohoku University, Japan (2017)

Publications:

1. **Mir Tamzid Rahman**, Tomohito Kameda, Farzana Rahman, Yuko Saito, Shogo Kumagai, Toshiaki Yoshioka, Mechanistic insights into multifunctional adsorption of metal ions and organic pollutants using an Alginate–GO/LDH functional composite, Journal of Alloys and Compounds Communications, 11, 100219 (**2026**).
2. ANM Al-razee, Jae Uk Yoon, **Mir Tamzid Rahman**, Md Nurul Abser, Jin Woo Bae*, Namjun Cho, Synthesis and characterization of carboxylate functionalized graphene oxides (GO-CAA, GO-CPA & GO-CBA) for removing Cr from contaminated water, Journal of Molecular Liquids, 446, 129263 **(2026)**.
3. Farzana Rahman, Kyosuke Sawaguchi, Fiona Motswaiso, Ukyo Suzuki, Tomohito Kameda, **Mir Tamzid Rahman**, Shogo Kumagai, Yuko Saito, Toshiaki Yoshioka, Efficient synthesis of ethylene urea from carbon dioxide containing titanium–zirconium–cerium mixed oxides, Next Research, 2, 101012 **(2025).**
4. Farzana Rahman, Kyosuke Sawaguchi, Fiona Motswaiso, Ukyo Suzuki, Tomohito Kameda, **Mir Tamzid Rahman**, Shogo Kumagai, Yuko Saito, Toshiaki Yoshioka, Novel binary Ti-Zr, Ti-Ce, and Zr-Ce oxides as dual-function adsorbents and reaction accelerators for CO_2 capture and ethylene urea synthesis, Scientific Reports, 15, 33567 **(2025)**.
5. **Mir Tamzid Rahman***, Md. Rabiul Islam, Md. Lutfor Rahman, Farzana Rahman, Abdullah-Al-Mamun, Nahid Sharmin, Md.Mahbubul Bashar, Interaction of Methylene Blue on the functionalized hybrid Mg/Fe layered double hydroxide – A kinetic and thermodynamic interpretation, Journal of Water Chemistry and Technology, 47 (3), 213–226 **(2025).**
6. Farzana Rahman, Yota kunii, Tomohito Kameda*, **Mir Tamzid Rahman**, Yuko Saito, Shogo Kumagai, Toshiaki Yoshioka, Efficacy of Zirconium Hydroxide and Cerium Hydroxide for Carbon Dioxide Adsorption and Subsequent Ethylene Urea Synthesis, Journal of Cleaner Production, 144956 **(2025).**
7. Nur Ahmad, Tomohito Kameda**, **Mir Tamzid Rahman**, Farzana Rahman, Aldes Lesbani*,

Preparation of a new hybrid MgAlLDH@Magnetite activated charcoal by hydrothermal method for stability and adsorption mechanism of congo red, Results in Surfaces and Interfaces, 18, 100440 **(2025)**.

8. **Mir Tamzid Rahman***, Fazley Bari Sagar, Md Lutfor Rahman, Farzana Rahman, Md Mizanur Rahman Nahid, Nahid Sharmin, Efficient adsorptive removal of ciprofloxacin from wastewater using alginate bearing Mg–Al layered double hydroxide, Journal of the Indian Chemical Society, 102 (1), 101519 **(2025)**
9. Nur Ahmad, Tomohito Kameda, **Mir Tamzid Rahman**, Aldes Lesbani*, Application and regeneration of magnetic material MgAlLDH@Fe_3O_4 humic acid with removal capacity for malachite green, Inorganic Chemistry Communications, 172, 113669 **(2025)**
10. **Mir Tamzid Rahman***, Tomohito Kameda, Farzana Rahman, Yuko Saito, Shogo Kumagai, Toshiaki Yoshioka, Hydrogel synthesis: Incorporating hydrophobically modified graphite oxide with Mg2Al LDH and alginate coating for evaluating multifarious adsorption utility, Journal of Water Process Engineering, 63, 105452 **(2024)**
11. Farzana Rahman, Yota Kunii, Tomohito Kameda*, **Mir Tamzid Rahman**, Yuko Saito, Shogo Kumagai, Toshiaki Yoshioka, Effective conversion of CO_2 to ethylene urea using zirconium-containing Mg-Al layered double hydroxide, Inorganic Chemistry Communications, 163, 112391 **(2024)**
12. Tomohito Kameda*, Rena Suto, **Mir Tamzid Rahman**, Shogo Kumagai, Yuko Saito, Yasuyuki Nomura, Daiki Kawamura, Toshiaki Yoshioka, Extraction and enrichment of lead from contaminated soil using chelation reactions, Results in Chemistry, 7(13), 101473 **(2024)**
13. Farzana Rahman, Xinyi Yang, Fiona Motswaiso, Itsuki Takanashi, Tomohito Kameda*, **Mir Tamzid Rahman**, Yuko Saito, Shogo Kumagai, Toshiaki Yoshioka, Effective synthesis of ethylene urea from CO_2 adsorbed cerium doped Mg–Al layered double hydroxide, Journal of Cleaner Production, 434, 140191 **(2023)**
14. **Mir Tamzid Rahman***, Md. Abdullah-Al-Mamun, Md. Lutfor Rahman, Nahid Sharmin, Md. Rabiul Islam, Jasim Uddin Ahmad, Farzana Rahman, Removal of lead ions using a chicken eggsheel from an aqueous solution: adsorption, kinetics and thermodynamic approaches, Journal of the Bangladesh Chemical Society, 34(2), 145-149 **(2022)**
15. Mohammad Robel Molla, Most. Hosney Ara Begum, Syed Farid Uddin Farhad, A.S.M. Asadur Rahman, Nazmul Islam Tanvir, Muhammad Shahriar Bashar, Riyadh Hossen Bhuiyan, Md. Sha Alam, Mohammad Sajjad Hossain, **Mir Tamzid Rahman**, Facile extraction and characterization of calcium hydroxide from paper mill waste sludge of Bangladesh, Royal Society of Open Science, 9,

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16. Md. Ariful Ahsan*, M. Safiur Rahman, Md. Abdul Quaiyum Bhuiyan, Md. Saifur Rahaman, **Mir Tamzid Rahman**, Mubarak Ahmad Khan, Reuse of Gamma-Ray Irradiated Textile Wastewater: Implications on the Growth of *Capsicum frutescens* Plant, Heliyon, 8, e10009 **(2022)**
17. Loknath Dhar, Md Sajjadur Rahman, Saddam Hossain, Shamshad B. Quraishi, Koushik Saha, Farzana Rahman, Uttam Kumar Sarker, **Mir Tamzid Rahman***, Mechanistic insights of the adsorption of Eriochrome Black T by the formulated Mg–Al LDH-graphene oxide composite, Journal of the Iranian Chemical Society, 19, 1319 - 1328 (**2022**)
18. **Mir Tamzid Rahman,** Tomohito Kameda*, Takao Miura, Shogo Kumagai, Toshiaki Yoshioka, Removal of sulfate from wastewater via synthetic Mg-Al layered double hydroxide, An adsorption, kinetics and thermodynamic study, Journal of Indian Chemical Society, 98, 100185 (**2021**)
19. Saddam Hossain, Md Sajjadur Rahman, Loknath Dhar, Shamshad B. Quraishi, Md. Nurul Abser, Farzana Rahman, **Mir Tamzid Rahman***, Increasing the potentiality of graphene oxide by chloroacetic acid for the adsorption of lead with molecular dynamic interpretation, Current Research in Green and Sustainable Chemistry, 4, 100095 (**2021**)
20. Loknath Dhar, Saddam Hossain, Md Sajjadur Rahman, Shamshad B. Quraishi, Koushik Saha, Farzana Rahman, **Mir Tamzid Rahman***, Adsorption mechanism of methylene blue by graphene oxide shielded Mg-Al layered double hydroxide from synthetic wastewater, The Journal of Physical Chemistry A, 125 (4), 954–965 (**2021**)
21. Mir Ferdous Chowdhury, Shahjalal Khandaker*, Forkan Sorkar, Aminul Islam, **Mir Tamzid Rahman**, Md Rabiul awual*, Current treatment technologies and mechanisms for removal of indigo carmine dyes from wastewater: A review, Journal of Molecular Liquids, 318, 114061 (**2020**)
22. Mosreaka Khatun, Golam Mohammad, **Mir Tamzid Rahman**, Shariff Enamul Kabir*, Removal of Organic Wastes from Pharmaceutical and Textile Effluents by Composite Adsorbent, Bangladesh Journal of Scientific and Industrial Research, 55(3), 197-206 **(2020)**
23. Xinyi Yang, **Mir Tamzid Rahman**, Tomohito Kameda*, Yusei Masaki, Yuko Saito, Shogo Kumagai, Toshiaki Yoshioka, Investigation of Sludge Volume from Abandoned Mine Wastewater Treatment by Layered Double Hydroxides: A Case Study Targeting As and Fe, Mine Water and the Environment, 39, 881–887 (**2020**)
24. **Mir Tamzid Rahman,** Tomohito Kameda*, Takao Miura, Shogo Kumagai, Toshiaki Yoshioka, Facile method for treating Zn, Cd, and Pb in mining wastewater by the formation of Mg–Al layered double hydroxide, International Journal of Environmental Science and Technology, 17, 3023 - 3032 (**2020**)

25. Uttam Kumar Sarker, Mir Misbahuddin, **Mir Tamzid Rahman***, Fatiha Farhana, Md. Elias Mollah, Md. Rabiul Islam, Randomized, open-label, two-way crossover study to compare the bioequivalence of two formulations of clarithromycin in healthy male volunteers, Jahangirnagar University Journal of Science, 42 (1), 53 – 62 (**2019**)
26. Md Sajjadur Rahman, Syed Mohammod Hossain, **Mir Tamzid Rahman***, Mahbub Kabir, Analysis of Iron, Scandium, Samarium, and Zinc in Commercial Fertilizers and the Chemistry behind the Stability of These Metals in the Fertilizers, Journal of Agricultural Chemistry and Environment, 8, 155-171 (**2019**)
27. **Mir Tamzid Rahman,** Tomohito Kameda*, Takao Miura, Shogo Kumagai, Toshiaki Yoshioka, Removal of Mn and Cd contained in mine wastewater by Mg–Al-layered double hydroxides, Journal of Material Cycles and Waste Management, 21(5), 1232–1241 (**2019**)
28. **Mir Tamzid Rahman,** Tomohito Kameda*, Takao Miura, Shogo Kumagai, Toshiaki Yoshioka, Application of Mg–Al layered double hydroxide for treating acidic mine wastewater: a novel approach to sludge reduction, Chemistry and Ecology, 35(2), 128–142 **(2019)**
29. **Mir Tamzid Rahman,** Tomohito Kameda*, Shogo Kumagai, Toshiaki Yoshioka, A novel method to delaminate nitrate-intercalated Mg-Al layered double hydroxides in water and application in heavy metals removal from waste water, Chemosphere, 203, 281 – 290, (**2018**)
30. **Mir Tamzid Rahman,**Tomohito Kameda*, Shogo Kumagai, Toshiaki Yoshioka, Effectiveness of Mg-Al Layered Double Hydroxide for heavy metal removal from mine wastewater and sludge volume reduction, International Journal of Environmental Science and Technology, 15,263-272 (**2018**)
31. Md Sajjadur Rahman, Syed Mohammod Hossain, **Mir Tamzid Rahman***, Mohammad A. Halim, Mohammad Niaz Ishtiak, Mahbub Kabir, Determination of trace metal concentration in compost, DAP and TSP fertilizers by neutron activation analysis (NAA) and insights from density functional theory calculations, Environmental Monitoring and Assessment, 189, 618 (**2017**)
32. **Mir Tamzid Rahman,**Tomohito Kameda*, Shogo Kumagai, Toshiaki Yoshioka, Adsorption Isotherms and Kinetics of Arsenic Removal from Aqueous Solution by Mg-Al Layered Double Hydroxide Intercalated with Nitrate Ions, Reaction Kinetics Mechanism and Catalysis, 120, 703–714, (**2017**)
33. **Mir Tamzid Rahman**, Abu L. M. E. Ziku, Tasrina R. Choudhury, Jasim U. Ahmad, M. Abdul Mottaleb*, Heavy Metal Contaminations in Vegatables, Soils And River Water: A Comprehensive Study of Chilmari, Kurigram, Bangladesh, International Journal of Environment, Ecology, Family and Urban Studies (IJEEFUS), Vol. 5, Issue 5, pp 29-42 (**2015**)

34. Farzana Rahman, **Mir Tamzid Rahman***, Md Sayadur Rahman, Jasim Uddin Ahmad, Organic Production of Koromjol, Passur River System of Sundarbans, Bangladesh, Asian Journal of Water, Environment and Pollution, Vol. 11, No. 1, pp. 95–103 (**2014**).
35. Mohammad M. Rahman, **Mir Tamzid Rahman***, Mohammad S. Rahaman, Farzana Rahman, Jasim U. Ahmad, Begum Shakera, Mohammad A. Halim. Water Quality of the World's Largest Mangrove Forest, Canadian Chemical Transactions, Vol. 1 (2): 141-156 (**2013**)
36. **Mir Tamzid Rahman**, Farzana Rahman, Mohammad S. Rahaman, Jasim U. Ahmad*, S.B. Quraishi,Assessment of Trace Metals in Selected Fish Species inPassur River, Sundarbans Mangrove Forest, Khulna, Bangladesh, Journal of Bangladesh Chemical Society, Vol. 26 (1): 68-74 (**2013**)
37. **Mir Tamzid Rahman**, Md S. Rahman, S.B. Quraishi, J.U. Ahmad, T.R. Choudhury, M.A. Mottaleb*. Distribution of Heavy Metals in Water and Sediments in Passur River, Sundarban Mangrove Forest, Bangladesh; J. Int. Environmental Application & Science , Vol. 6 (4): 537-546 (**2011**)
38. Jasim Uddin Ahmad*, Md Sayadur Rahman, **Mir Tamzid Rahman**, Md. Mokhlesur Rahman, Farzana Rahman, Md. Mehedi Hassan. Water and Sediment Pollution of Passur River in Sundarban, Bangladesh. Jahangirnagar University Chemical Review, Vol.16: (9-18) **(2011)** [Article in Bangla]

Conferences:

1. Suma Akter, **Mir Tamzid Rahman**, Md. Ayub Ali, Md Mizanur Rahman, Masum Billah Siam, Hydrothermal Synthesis of Folic-Acid-Derived Carbon Dot–Assisted EDTA-Modified Mg–Al LDH And Adsorption of Uranium from Aqueous Solution, 2nd International Conference on Frontiers in Science: Innovation & Technology for Greener Industry (2nd ICFS:ITGI), BUET, Dhaka, Bangladesh (15-16 January, 2026) [**Oral**].
2. Md. Ayub Ali, **Mir Tamzid Rahman,** Suma Akter, Md Mizanur Rahman, Masum Billah Siam, Preparation of Magnesium Hydroxide and Aluminium Hydroxide Precursors and Conversion to Mg–Al Layered Double Hydroxide (LDH) For Efficient Phosphate Removal from Wastewater, 2nd International Conference on Frontiers in Science: Innovation & Technology for Greener Industry (2nd ICFS:ITGI), BUET, Dhaka, Bangladesh (15-16 January, 2026) [**Poster**].
3. Shashe Chowdhury, **Mir Tamzid Rahman**, Shamshad B. Quarishi, Adsorptive Performance of Layered Double Hydroxides and Their Oxides with Mg/Al Molar Ratios (2:1, 1:2) for Chromium Removal from Synthetic Wastewater, 1st International Conference on Science and Humanities for Sustainable Development (ICSHSD), DUET, Gazipur, Bangladesh (23-24 October, 2025) [**Oral**].

4. Farhad Hossain, Rahat Khan, Mohammad Aminur Rahman, Md. Saiful Islam, Debapriyo Paul, Mohtasim Hasan, Md. Abdullah, **Mir Tamzid Rahman**, Assessment of Metal(Loid)S Contamination, Sources, and Ecological Risk in Buriganga River Sediments Using INAA nd Multivariate Approaches, 1st International Conference on Science and Humanities for Sustainable Development (ICSHSD), DUET, Gazipur, Bangladesh (23-24 October, 2025) [**Oral**].
5. Suma Akter, **Mir Tamzid Rahman**, Md. Ayub Ali, Md Mizanur Rahman, Masum Billah Siam, Hydrothermal and Microwave Synthesis of Folic-Acid-Derived Carbon Dot–Assisted EDTA-Modified Mg–Al LDH, 1st International Conference on Science and Humanities for Sustainable Development (ICSHSD), DUET, Gazipur, Bangladesh (23-24 October, 2025) [**Poster**].
6. Fajar Eko Priyanto, Shogo Kumagai, **Mir Tamzid Rahman**, Yuko Saito, Toshiaki Yoshioka, Corncob Biochar Utilization for the Adsorption of Acetaminophen and Caffein in Water, The 35th Annual Conference of Japan Society of Material Cycles and Waste Management, Japan (2024/09/09 - 2024/09/10) [**Oral**]
7. **Mir Tamzid Rahman**, Tomohito Kameda, Farzana Rahman, Yuko Saito, Shogo Kumagai, Toshiaki Yoshioka, Preparation and Utilization of Alg[hGO/LDH] Composites for Effective Removal of Various Pollutants, 15th Tohoku Branch of the Japan Society of Waste and Resource Circulation and 11th Joint Research Presentation of the Tohoku Branch of the Japan Society for Water Environment, Sendai, Japan. (2024/January 20). [**Oral**] – page 30
8. Farzana Rahman, Xinyi Yang, Fiona Motswaiso, Itsuki Takanashi, Tomohito Kameda, **Mir Tamzid Rahman**, Yuko Saito, Shogo Kumagai, Toshiaki Yoshioka, Ethylene Urea Synthesis from CO_2-Adsorbed Cerium-Doped Mg-Al LDH through a Single-step, 15th Tohoku Branch of the Japan Society of Waste and Resource Circulation and 11th Joint Research Presentation of the Tohoku Branch of the Japan Society for Water Environment, Sendai, Japan. (2024/January 20). [**Oral**] – page 14
9. Farzana Rahman, Xinyi Yang, Fiona Motswaiso, Itsuki Takanashi, Tomohito Kameda, **Mir Tamzid Rahman**, Yuko Saito, Shogo Kumagai, Toshiaki Yoshioka, One step synthesis of Ethylene Uuea from CO2 adsorbed Cerium Doped Mg-Al Layered Double Hydroxide, MRM 2023 IUMRS – ICA2023, Kyoto International Conference Center, Kyoto, Japan. (2023/December 11 – 16)**.** [**Oral**] – page 144
10. Farzana Rahman, Fazley Bari Sagar, Md. Lutfor Rahman, Mizanur Rahman Nahid, Nahid Sharmin, Tomohito Kameda, Toshiaki Yoshioka, **Mir Tamzid Rahman***, A kinetic and thermodynamic interpretation of ciprofloxacin adsorption on alginate coated mg/al layered double hydroxide. 26th International Conference on Chemical Thermodynamics, Osaka, Japan. (2023/July 30 -August 4).

[**Oral**]

11. **Mir Tamzid Rahman***, Tomohito Kameda, Farzana Rahman, Yuko Saito, Shogo Kumagai, Toshiaki Yoshioka, Multifarious pollutants adsorption by prepared Alg[hGO/LDH] - A mechanistic elucidation by kinetics and thermodynamic study. 26th International Conference on Chemical Thermodynamics, Osaka, Japan. (2023/July 30 -August 4). [**Oral**]
12. **Mir Tamzid Rahman***, Tomohito Kameda, Farzana Rahman, Yuko Saito, Shogo Kumagai, Toshiaki Yoshioka, Preparation of alginate coated graphite oxide/Mg-Al LDH composite – ibuprofen and methylene blue adsorption, kinetic and thermodynamic study. 19th Asian Chemical Congress, Istanbul Technical University, Turkey. (2023/07/9-14). [**Oral**]
13. Farzana Rahman, Md. Rabiul Islam, Md. Lutfor Rahman, Abdullah-Al-Mamun, Nahid Sharmin, Tomohito Kameda, Toshiaki Yoshioka, **Mir Tamzid Rahman***, Efficient removal of methylene blue from aqueous solution using Charcoal functionated hybrid Mg/Fe LDH. 60th 2023 The Clay Minerals Society Annual Meeting, UT Austin, USA. (2023/05/20-25). [**Oral**]
14. **Mir Tamzid Rahman***, Tomohito Kameda, Farzana Rahman, Yuko Saito, Shogo Kumagai, Toshiaki Yoshioka, Application of multifunctional hydrophobic graphite oxide assisted Mg2Al LDH hydrogel in adsorption of Pb and As from synthetic wastewater. 60th 2023 The Clay Minerals Society Annual Meeting, UT Austin, USA. (2023/05/20-25). [**Oral**]
15. Md. Robiul Islam, Md. Lutfor Rahman, Abdullah-Al-Mamun, Nahid Sharmin, Farzana Rahman, **Mir Tamzid Rahman***, Effectiveness of Mg-Fe LDH/charcoal composite to remove methylene blue from waste water, International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandu (ICSTB-2021), Bangladesh Council of Scientific and Industrial Research (BCSIR), 11-13 March (**2021**). [Oral]
16. Loknath Dhar, **Mir Tamzid Rahman***, Shamshad B. Quraishi, Saddam Hossain, Koushik Saha, Adsorption of eriochrome black - T by Mg-Al layered double hydroxide shielded with graphene oxide from synthetic waste water, International Conference on Recent Advances in Chemistry, Dhaka, Bangladesh (**2020**). [Oral]
17. Loknath Dhar, **Mir Tamzid Rahman***, Shamshad B. Quraishi, Saddam Hossain, Koushik Saha, Adsorption of methylene blue by Mg-Al layered double hydroxide/graphene oxide composite from synthetic waste water, 42nd Annual General Meeting, Bangladesh Chemical Society Conference, Rajshahi, Bangladesh (**2019**). [Poster]
18. **Mir Tamzid Rahman**, Tomohito Kameda*, Shogo Kumagai, Jasim Uddin Ahmad, Toshiaki Yoshioka, Treatment of Zn, Cd, Pb from mine waste water by Mg-Al layered double hydroxide aiming to reduction of sludge volume,7thInternational Conference on Solid Waste Management

Hyderabad, India (**2017**) [Oral]

19. **Mir Tamzid Rahman**, Tomohito Kameda*, Shogo Kumagai, Toshiaki Yoshioka, Removal of Fe, Zn, Cu, Pb from mine waste water by Mg-Al layered double hydroxide and sludge volume reduction, 4th 3R International Scientific Conference on Material Cycles and Waste Management, New Delhi, India (**2017**) [Oral]
20. **Mir Tamzid Rahman**, Tomohito Kameda*, Shogo Kumagai, Toshiaki Yoshioka, Multifunctional activity of Mg-Al layered double hydroxide to remove heavy metals from mine waste water, The 3rd Asian Clay Conference, Guangzhou, China (**2016**) [Oral]
21. **Mir Tamzid Rahman**, Tomohito Kameda*, Shogo Kumagai, Toshiaki Yoshioka, Application of Mg-Al layered double hydroxide to reduce sludge for removal of heavy metals from mine waste water, Japan Society of Material Cycles and Waste Management, Sendai, Japan, February 8 (**2016**) [Oral]
22. **M. T. Rahman**, T. Kameda*, T. Yoshioka, Effectiveness of Mg-Al Layered double hydroxide to remove arsenic from waste water, 2015 International Chemical Congress of Pacific Basin Societies, Honolulu, Hawaii, December 15-20 (**2015**) [Oral]
23. **Mir Tamzid Rahman**, Tomohito Kameda*, Shogo Kumagai, Toshiaki Yoshioka, Mg-Al layered double hydroxide as effective adsorbent for As removal from mine waste water, Tohoku Region of Japan Chemical Society, Aomori, Japan, September 12-13 (**2015**) [Poster]
24. **Mir Tamzid Rahman,** Jasim Uddin Ahmad*, M S R Quirashi, Distribution of Heavy Metals in Water and Sediment Samples in Passur River, Sunderban Mangrove Forest, 33rd Annual Conference of Bangladesh Chemical Society, Dhaka, Bangladesh, December 10-12 **(2010)** [Poster]

Workshop:

1. Sandia National Laboratories - Chemical Security Risk Assessment Webinar Series, June 5 – July 10, 2020.
2. Material Control and Accountability Workshop, Manila, Phillipines, 8 – 12 April, 2019.
3. Bangladesh Chemical Security Workshop on 'Bangladesh High Level Chemical Security Training for Public and Private Chemical Stakeholders'. Dhaka, Bangladesh, 28 February – 1 March, 2019.
4. South Asia regional chemical management workshop on 'Chemical Safety and Security Management'. Colombo, Sri Lanka, 4 – 6 December, 2018.

Training:

1. Training program on Solid Waste Management, Sendai Environmental Development Co. Ltd. (Sendai Kankyo Kaihatsu Co. Ltd.), Environmental and Technology section, 460-1 Aonoki Imosawaaza Aoba-ku, Sendai-shi, Miyagi-ken, Japan, 14th March – 18th March, 2016
2. In-plant training program in Bangladesh Atomic Energy Commission (one month) || 2007

Teaching:

1. Advanced Environmental Chemistry – Masters
2. Environmental Chemistry - Bachelor
3. Chemistry of Main Group Elements
4. Nuclear and Radiochemistry
5. Qualitative Inorganic Analysis
6. Inorganic Preparation and Volumetric Analysis
7. Inorganic Chemistry Practical

Member:

1) Member, Alumni Association, Department of Chemistry, Jahangirnagar University

Other Activities:

1) Assistant House Tutor, Shohid Salam Barkat Hall, Jahangirnagar University from 2012 - 2014

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Nationality	:	Bangladeshi by birth

References:

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