Resume of

Dr. MD. KAMRUZZAMAN

Associate Professor
Dept. of Applied Chemistry and Chemical Engineering
Bangabandhu Sheikh Mujibur Rahman Science and Technology University, Gopalganj, Dhaka, Bangladesh
Cell no. +88-01777656796
E-mail: k.zaman@bsmrstu.edu.bd; mkamruzzamandu81@gmail.com

Carrier Objectives:

To achieve a challenging position in teaching, research and development that will provide future opportunities for the development of relevant science and technology, and a chance to use my skills acquired from my education.

Educational Qualification:

2013	**Ph.D.,** Department of Chemistry, Kyungpook National University, Daegu, 702-701, Republic of Korea.
2003	**M.Sc.** in Applied Chemistry & Chemical Technology from the University of Dhaka, Bangladesh obtaining first class (Marks: 66.33%).
2002	**B.Sc.** (Hons) in Applied Chemistry & Chemical Technology from the University of Dhaka, Bangladesh obtaining first class (Marks: 62.19%).
1998	**H.S.C.** with First Division (Marks: 80.60%).
1996	**S.S.C.** with First Division (Marks: 83.50%).

Major Research:

- Microfluidic Chip based Analytical Technique
- Chemiluminescence Microfluidic Sensor Chip
- Flow Injection Chemiluminescence Analysis
- Nano-Materials Based Fluorescence Sensor
- Lanthanide-Sensitized Spectrofluorimetric Method
- Electrochemical Sensor and Biosensor

Working Experience

1) Working as an Associate Professor in the Dept. of Applied Chemistry and Chemical Engineering, Bangabandhu Sheikh Mujibur Rahman Science and Technology University, Gopalganj, Dhaka, Bangladesh.
2) Worked as an Assistant Professor, Department of Chemistry, American International University, Bangladesh from 15th May 2016 to 21th April 2018.
3) Worked as an Assistant Professor, Department of Textile Engineering, Daffodil International University, Bangladesh from 11th May 2013 to 10th May 2016.
4) Worked at Spectroanalytical Chemistry Lab, Department of Chemistry, Kyungpook National University, Daegu, Republic of Korea from March, 2010 February 2013.
5) Worked as Research Assistant in Environmental Microbiology Laboratory, International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B) from October 2006-July 2007 on "**Genomic assessment of phenotypic plasticity in an aquatic bacterium**" funded by the Dartmouth University, USA.
6) Worked as Research Assistant in the same Laboratory from July, 2007 – October, 2007 o n ″**Improving Measures of Hand washing Behavior in Bangladesh, ICDDR, B**" fund ed by World Bank.
7) Worked as Research Assistant in the same Laboratory from October, 2007 to February, 2009 on ″**Health Impact Study, UNICEF-ICDDR, B**" funded by UNICEF.

Publications:

1. **M. Kamruzzaman**, "Europium (iii) Sensitized and Ethylenediaminetetraacetic Acid Enhanc ed Spectrofluorimetric Method for the Determination of Prulifloxacin", International Journal of Evergreen Scientific Research, 2021, 1: 1-10.

2. **M. Kamruzzaman**, M. Anwaruzzaman, M. Lawshan Habib, M.M. Hasan, F. Yeasmin, R.A. Masud, ''Spectrofluorometric Determination of Acetylsalicylic Acid Based on the Plasmonic Interaction between Its Fluorescent Europium Complexes and Silver Nanoparticles", Interna tional Multilingual Journal of Science and Technology, 2020, 5(6): 1123-1128.

3. M.M. Hasan, M. Lawshan Habib, M. Anwaruzzaman, **M. Kamruzzaman**, M.N. Khan, M.M . Rahman, "Processing techniques of chitosan-based interpenetrating polymer networks, gels, blends, composites and nanocomposites'', Handbook of Chitin and Chitosan, Elsevier Chapt er 3, DOI: https://doi.org/10.1016/B978-0-12-817968-0.00003-2.

4. Nasiruddin, **M. Kamruzzaman**, M. Razu Ahmed, M. Anwaruzzaman, M. Lawshan Habib, M.A Mannan, ''Spectrofluorimetric Determination of Bovine Serum Albumin Using Enoxaci n-Aluminium (III) as a Fluorescence Probe", American Journal of Biochemistry, 2020, 8(5):

100-105.

5. **M. Kamruzzaman**, A. Nayeem Faruqui, M.I. Hossain, S.H. Lee, "Spectroscopic study of the interaction between adenosine disodium triphosphate and gatifloxacin-Al^{3+} complex and its analytical application". **Luminescence**, **2015, 30: 1077-1082 (IF=1.67).**

6. M.I. Hossain, **M. Kamruzzaman**, A.B.M. Obaidul Islam, "Effects of Temperature in Electro depostion of ZnTe Thin Films" **Journal of Materials Science: Materials in Electronics, 20 15, 26:1756-1762 (IF=1.9).**

7. Y.S. Suh, **M. Kamruzzaman**, A.M. Alam, S.H. Lee, Y.H. Kim, G.M. Kim, T.D. Dang, " Chemiluminescence determination of moxifloxacin based on its enhancing effect of luminol-ferricyanide system using a microfluidic chip", **Luminescence**, **2014, 29(3):248-53 (IF=1.67 5).**

8. **M. Kamruzzaman**, A.M. Alam, S.H. Lee, T.D. Dang, "Chemiluminescence Microfluidic System on a Chip to Determine Vitamin B1 using a Platinum Nanoparticle Triggered Lumin ol-$AgNO_3$ Reaction", **Sensor and Actuator B,** (**2013) 185:301-308 (IF=3.898).**

9. **M. Kamruzzaman**, A.M. Alam, K.M. Kim, S.H. Lee, Y.Ho Kim, ANM Hamidul Kabir, Gy u-Man Kim, Trung Dung Dang, "Chemiluminecence microfluidic system of gold nanoparticl es enhanced luminol-silver nitrate for the determination of vitamin B12", **Biomedical Micro devices**, **(2013)**, **15:195-202 (IF=3.032).**

10. **M. Kamruzzaman**, A.M. Alam, K.M. Kim, S.H. Lee, Y.H. Kim, G.M. Kim, T.D. Dang, " Microfluidic chip based chemiluminescence detection of L-phenylalanine in pharmaceutical and soft drinks", **Food Chemistry**, **(2012) 135(1), 57-62 (IF=3.655).**

11. **M. Kamruzzaman**, A.M. Alam, S.H. Lee, D. Ragupathy, Y.H. Kim, S.R. Park, S.H. Kim, " Spectrofluorimetric study of the interaction between europium(III) and moxifloxacin in micellar solution and its analytical application", **Spectrochimica Acta Part A (2012) 86: 375–380 (IF=2.098).**

12. **M. Kamruzzaman**, A.M. Alam, S.H. Lee,Y.H. Kim, S.H. Kim, "A terbium-sensitized spectr ofluorimetric method for determination of catecholamines in a serum sample with micelle medium", **Luminescence**, **(2012) 27: 84–90 (IF=1.731).**

13. **M. Kamruzzaman**, A.M. Alam, S.H. Lee, Y.H. Kim, S.H. Kim, G.M. Kim, "Spectrofluorim etric determination of sparfloxacin using europium(III) as a fluorescence probe in micellar medium", **Bull. Korean Chem. Soc**. **(2012) 33:105-110 (IF=0.906).**

14. **M. Kamruzzaman**, A.M. Alam, K.M. Kim, S.H. Lee, Y.H. Kim, S.H. Kim, "Silver nanopar-ticle-enhanced chemiluminescence method for determining naproxen based on europium(III) -sensitized Ce(IV)-$Na_2S_2O_4$ reaction", **Journal of Fluorescence, (2012) 22(3):883-890 (IF=**

2.107).

15. **M. Kamruzzaman**, A.M. Alam, S.H. Lee, Y.S. Suh, Y.H. Kim, S.H. Kim, S.H. Oh, "Enhanced luminescence of lanthanide complexes by silver nanoparticles for determination of ciprofloxacin", **Journal of Nanoscience & Nanotechnology, (2012) 12: 6125–6130 (IF=1.563).**

16. **M. Kamruzzaman**, A.M. Alam, S.H. Lee, Y.H. Kim, G.M. Kim, S.H. Oh, "Spectrofluorimetric quantification of bilirubin using yttrium-norfloxacin complex as a fluorescence probe in serum samples", **Journal of Luminescence (2012) 132: 3053–3057 (IF=2.102).**

17. **M. Kamruzzaman**, A.M. Alam, T. Ferdous, S.H. Lee, Y.H. Kim, S.H. Kim, "Ultrasensitive study of gatifloxacin based on its enhancing effect on the cerium (IV)-sodium hyposulfite chemiluminescence reaction in a micellar medium", **Journal of Fluorescence, (2011) 21:1539–1545 (IF=2.107).**

18. **M. Kamruzzaman**, A.M. Alam, S.H. Lee, Y.S. Suh, Y.H. Kim, G.M. Kim, S.H. Kim, " Method for determination of fluoroquinolones based on the plasmonic interaction between their fluorescent terbium complexes and silver nanoparticles", **Microchim Acta (2011) 174: 353–360 (IF=3.033).**

19. **M. Kamruzzaman**, T. Ferdous, A.M. Alam, S.H. Lee, S.Y. Kim, Y.H. Kim, S.H. Kim, "A metal enhanced flow-injection chemiluminescence method for the rapid determination of nor-floxacin in pharmaceutical formulations and serum sample", **Bull. Korean Chem. Soc**. **(2011) 32: 639-644 (IF=0.906).**

20. **M. Kamruzzaman**, A.M. Alam, K.M. Kim, S.H. Lee, S.H. Oh, Y.H. Kim, A.N.M. Hamidul Kabir, "Silver nanoparticles enhanced luminescence from the europium(III)-doxycycline complex and its analytical application", **Applied Chemistry**, **(2012)** 16, 13-16.

21. **M. Kamruzzaman**, A.M. Alam, S.Y. Kim, H.J. Jo, S.H. Lee, Y.H. Kim, S.H. Kim, "A flow injection chemiluminescence method for the determination of folic acid using the reaction of Ce(IV) and sodium hyposulfite catalyzed by gold nanoparticles" **Applied Chemistry**, **(2011)** 15, 13-16.

22. **M. Kamruzzaman**, A.M. Alam, S.Y. Kim, H.J. Jo, S.H. Lee, Y.H. Kim, S.H. Kim, "Spectrofluorimetric determination of levodopa through ternary complex formation with europium(III) and ethylenediaminetetraacetic acid", **Applied Chemistry**, **(2011)** 15, 25-28.

23. **M. Kamruzzaman**, A.M. Alam, K.M. Kim, H.J. Jo, S.H. Lee, Y.H. Kim, S.H. Kim, " Solution-based silver nanoparticles sensitized spectrofluorimetric method for the determination of prulifloxacin using europium(III) as fluorescence probe" **Applied Chemistry**, **(2011)** 15, 97-100.

24. **M. Kamruzzaman**, A.M. Alam, S.H. Lee, T. Ferdous, Y.H. Kim, "Determination of dopa-

mine by a terbium-sensitized spectrofluorimetric method", **Applied Chemistry**, **(2010)** 14: 59-62.

25. **M. Kamruzzaman**, A.M. Alam, S.H. Lee, S.Y. Kim, H.J. Jo, Y.H. Kim, "Determination of gatifloxacin by a liminol chemiluminescence with silver nanoparticles", **Applied Chemistry**, **(2010)** 14: 63-66.

26. A.M. Alam, **M. Kamruzzaman**, S.H. Lee, Y.H. Kim, S.Y. Kim, G.M. Kim, H. J. Jo, S.H. Kim, "Determination of catecholamines based on the measurement of the metal nanoparticle-enhanced fluorescence of their terbium complexes", **Microchim Acta (2012) 176:153–161 (IF=3.033).**

27. A.M. Alam, **M. Kamruzzaman**, S.H. Lee, Y.H. Kim, H.J. Jo, S.H. Kim, S. Park "Sensitive determination of adenosine disodium triphosphate in soil, milk, and pharmaceutical formulation by enoxacin–europium(III) fluorescence complex in solution", **Journal of Luminescence**, **(2012) 132: 789–794 (IF=2.102).**

28. A.M. Alam, T. Ferdous, **M. Kamruzzaman**, S.H. Lee, Y.H. Kim, J.K. Suh, H.Y. Chung, Y. S. Suh, "Sensitive chemiluminescence determination of enoxacin by flow-injection analysis in biological fluids and pharmaceutical formulation using copper(II) in luminol-H_2O_2 system ", **Sensor Letters** , **(2011) 9:518-525 (IF=1.587).**

29. A.M. Alam, **M. Kamruzzaman**, S.H. Lee, Y.H. Kim, S.Y. Kim, Y.S. Suh, S.H. Kim, "Silver nanoparticles enhanced luminescence of terbium complex in solution for L-Dopa determination. **Journal of Nanoscience & Nanotechnology, (2012) 12: 6005–6010 (IF=1.563).**

30. A.M. Alam, **M. Kamruzzaman**, S.H. Lee, Y.H. Kim, K.M. Kim, "Europium-enoxacin complex as fluorescence probe for the determination of folic acid in pharmaceutical and biological samples" **Bull. Korean Chem. Soc**. **(2012) 33, 3055-3060 (IF=0.906).**

31. A.M. Alam, **M. Kamruzzaman**, T.D. Dung, S.H. Lee, Y.H. Kim, G.M. Kim, "Enzymeless determination of total sugar by luminol-tetrachloro aurate chemiluminescencne on chip to analyze food sample" **Journal of Analytical and Bioanalytical Chemistry**, **(2012), 404:3165-3173 (IF=3.778).**

32. A.M. Alam, **M. Kamruzzaman**, S.H. Lee, S.H. Oh, Y.H. Kim, M.M. Khan, M.A. Rahman, " Platinum nanoparticles sensitized chemiluminescence of ruthenium-Ce(IV) system for the determination of melamine by flow injection analysis", **Applied Chemistry**, **(2012)** 16, 9-12.

33. A.M. Alam, **M. Kamruzzaman**, S.Y. Kim, H.J. Jo, S.H. Lee, Y.H. Kim, J.H. Choi, "Silver nanoparticles enhanced chemiluminescence of luminol-KIO4 system for determination of mandelic acid", **Applied Chemistry**, **(2011)** 15, 21-24.

34. A.M. Alam, **M. Kamruzzaman**, S.Y. Kim, H.J. Jo, S.H. Lee, Y.H. Kim, J.K. Suh, "Study of

surfactant sensitized fluorescence of europium-salicylic acid complex for the determination of salicylic acid", **Applied Chemistry**, **(2011)** 15, 29-32.

35. A.M. Alam, **M. Kamruzzaman**, S.H. Lee, Y.H. Kim, T.G. Jang, S.J. Hong, S.H. Oh, "Gold nanoparticles sensitized chemiluminescence for the determination of perphenazine", **Applied Chemistry**, **(2011)** 15(2), 93-96.

36. A.M. Alam, **M. Kamruzzaman**, Y.H. Kim, S.Y. Kim, H.J. Jo, S.H. Lee, "A fluorescence method with terbium (III)-sodium dodecyl benzene sulfonate for determination of norepine-phrine", **Applied Chemistry**, **(2010)** 14, 47-50.

37. S.H. Lee, **M. Kamruzzaman**, and A.M. Alam "Spectrofluorimetric Analysis of Vitamin B1 in Pharmaceutical Preparations, Bio-fluid and Food Samples" (B Vitamins and Folate: Chem istry, Analysis, Function and Effects; Food and Nutritional Components in Focus No. 4); **Ro yal Society of Chemistry, UK, ISBN: 978-1-84973-369-4, CHAPTER 15, 210-226, 2012**; (Victor R. Preedy, ed., DOI, 10.1039/ 9781849733694).

38. J.K. Suh, H.S. Min, **M. Kamruzzaman**, Sang Hak Lee, ‘‘Determination of Mercury in Fly A sh by Using Flow Injection Cold Vapor Isotope Dilution Inductively Coupled Plasma Mass S pectrometry", 3(2), 58-61.

ABSTRACTS PUBLISHED IN CONFERENCE

1. **M. Kamruzzaman,** A.M. Alam, S.H.Lee, Y.H. Kim, G.M. Kim, T.D. Dang, "Fabrication of Microfluidic Chip-based Chemiluminescence Sensor by the Immobilization of Copper (II) on a MWCNT-Nafion Composite and Its Analytical Application", (poster presentation). **The 14th International Meeting on Chemical Sensors, May 20, 2012, page 214, Nuremberg, Germany.**

2. **M. Kamruzzaman,** A.M. Alam, S.H.Lee, S.H. Oh, Y.H. Kim, A.N.M. Hamidul Kabir, "Silver Nanoparticles Enhanced Luminescence from the Europium (III)-Doxycycline Complex and Its Analytical Application", (poster presentation). **The 45th Korean Society of Industrial and Engineering Chemistry (KSIEC) Meeting, May 9, 2012, page 16, Gwangju, Korea**

3. **M. Kamruzzaman,** A.M. Alam, S.H. Lee, T.D. Dang, "Fabrication of a Chemiluminescence Microfluidic System Sensor on a Chip with the Co(II) Immobilized CNT-Nafion Composite to Determine Amino Acids", (poster presentation). **The 109th Annual Meeting of the Korean Chemical Society, April 24, 2012, page 627, Ilsan, Korea**

4. M. Kamruzzaman, T.G. Jang, S.H. Lee, Y.S. Suh, K.M. Kim, S.J. Park, Y.H. Kim, "A Selective Determination Method of Lead(Ⅳ) ion by Chemiluminescence with Oxidation of Ascorbic Acid", (poster presentation). **The 44th KSIEC Meeting, November 2, 2011, Page 349, Gachon University, Seoul, Korea**.

5. **M. Kamruzzaman,** A.M. Alam, K.M. Kim, H.J. Jo, S.H. Lee, Y.H. Kim, S.H. Kim, "Solution-Based Silver Nanoparticles Sensitized Spectrofluorimetric Method for the

Determination of Prulifloxacin using Europium(III) as Fluorescence Probe", (poster presentation). **The 44th KSIEC Meeting, November 2, 2011, Page 15, Gachon University, Seoul, Korea.**

6. **M. Kamruzzaman,** A.M. Alam, S.H. Lee, Y.S. Suh, Y.H. Kim, S.H. Kim, S.H. Oh, "Enhanced Luminescence of Lanthanide Complexes by Silver Nanoparticles for Determination of Ciprofloxacin", (poster presentation). **The 9th International Nanotech Symposium & Exhibition (NNANOKOREA 2011), October 24, 2011, Page 28, Ilsan, Korea.**

7**. M. Kamruzzaman,** A.M. Alam, S.Y. Kim, H.J. Jo, S.H. Lee, Y.H. Kim, S.H. Kim, "Spectrofluorimetric Determination of Levodopa Through Ternary Complex Formation With Europium(III) and Ethylenediaminetetraacetic Acid", (poster presentation). **The 43rd KSIEC Meeting, May 11, 2011, page 316, Jeju, Korea.**

8. **M. Kamruzzaman,** A.M. Alam, S.Y. Kim, H.J. Jo, S.H. Lee, Y.H. Kim, S.H. Kim, "A Flow Injection Chemiluminescence Method for the Determination of Folic Acid Using the Reaction of Ce(IV) and Sodium Hyposulfite Catalyzed by Gold Nanoparticles", (poster presentation). **The 43rd KSIEC Meeting, May 11, 2011, page 315, Jeju, Korea.**

9. **M. Kamruzzaman,** A.M. Alam, S.H. Lee, S.Y. Kim, H.J. Jo, Y.H. Kim, "Determination of Gatifloxacin by a Liminol Chemiluminescence with Silver Nanoparticles", (poster presentation). **The 42nd KSIEC Meeting, October 27, 2010, page 179, Daejeon, Korea.**

10. **M. Kamruzzaman,** A.M. Alam, S.H. Lee, T. Ferdous, Y.H. Kim, "Determination of Dopamine by a Terbium-sensitized Spectrofluorimetric Method", (poster presentation). **The 42nd KSIEC Meeting, October 27, 2010, page 178, Daejeon, Korea.**

11. **M. Kamruzzaman,** S.H. Lee, "Application of Flow Injection Cold Vapor Isotope Dilution Inductively Coupled Plasma Mass Spectrometry in Marine Sediment and Fly Ash for the determination of Mercury", (poster presentation). **The 106th Annual Meeting of the Korean Chemical Society, October 14, page 71, Daegu Korea.**

12. **M. Kamruzzaman**, S.Y. Kim, H.J. Jo, Y.S. Suh, S.H. Lee, "Development of a Spectroflourimetric Method for the Determination of Dopamine by its Enhancement Effect on the Fluorescence of Terbium (III) Sensitized by Silver Nanoparticle", (poster presentation). **The 106th Annual Meeting of the Korean Chemical Society, October 14, page 67, Daegu Korea.**

13. **M. Kamruzzaman**, T. Ferdous, S.H. Lee, "Micelle-Sensitized Determination of Gatifloxacin in Pharmaceutical Preparations and Spiked Urine by Flow Injection Chemiluminescence Method using Ce(IV)-$Na_2S_2O_3$ System", (poster presentation). **The 106th Annual Meeting of the Korean Chemical Society, October 14, page 61, Daegu Korea.**

14**. M. Kamruzzaman**, S.H. Lee, S.Y. Kim, H.J. Jo, Y.S. Suh, "A Silver Nanoparticles Sensitized Terbium System for the Spectroflourimetric Determination of a Catecholamine", (poster presentation). **The 2nd Daegu-Gyungbuk KCS Regional Meeting, August 18, 2010, page 23, Andong, Korea.**

15. **M. Kamruzzaman,** A.M. Alam, S.H. Lee, Y.H. Kim, S.Y. Kim, "Study on a Sensitive Chemiluminescence Method for the Determination of an Antibiotic in Pharmaceutical Preparations and Spiked Urine Coupled with Flow-Injection Analysis", (poster presentation). **The 2nd Daegu-Gyungbuk KCS Regional Meeting, August 18, 2010, page 22, Andong, Korea.**

16. A.M. Alam, **M. Kamruzzaman**, T.D. Dang, S.H. Lee, Y.H. Kim, K.M. Kim, G.M. Kim, "Fabrication of Silver Nanoparticles Immobilzed Microfluidic Chip for Chemiluminescence based Analytical Application", (poster presentation). **The 14th International Meeting on Chemical Sensors, May 20, 2012, page 215, Nuremberg, Germany**.

17**.** A.M. Alam, **M. Kamruzzaman**, S.H. Lee, S.H. Oh, Y.H. Kim, M.A. Rahman, M.M. Khan, "Platinum Nanoparticles Sensitized Chemiluminescence of Ruthenium-Ce(IV) System for the Determination of Melamine by Flow Injection Analysis", (poster presentation). **The 45th Korean Society of Industrial and Engineering Chemistry (KSIEC) Meeting, May 9, 2012, page 17, Gwangju, Korea.**

18. A.M. Alam, **M. Kamruzzaman**, S.H. Lee, "Spectrofluorometric Determination of Bovine Serum Albumin by Enhanced Fluorescecne of Terbium nanoparticles", (poster presentation). **The 109th Annual Meeting of the Korean Chemical Society, April 24, 2010 page 628, Ilsan, Korea.**

19. A.M. Alam, **M. Kamruzzaman**, S.H. Lee, Y.H. Kim, T.G. Jang, S.J. Hong, S.H. Oh, "Gold Nanoparticles Sensitized Chemilumi-nescence for the Determination of Perphenazine", (poster presentation). **The 44th KSIEC Meeting, November 2, 2011, Page 16, Gachon University, Seoul, Korea.**

20. A.M. Alam, **M. Kamruzzaman**, S.H. Lee, Y.H. Kim, S.Y. Kim, Y.S. Suh, S.H. Kim, "Silver Nanoparticle Enhanced Luminescence of Terbium Complex in Solution for L-Dopa Determination", (poster presentation). **The 9th International Nanotech Symposium & Exhibition (NNANOKOREA 2011), October 24, 2011, Page 26, Ilsan, Korea.**

21. A.M. Alam, **M. Kamruzzaman**, S.Y. Kim, H.J. Jo, S.H. Lee, Y.H. Kim, J.K. Suh, "Study of Surfactant Sensitized Fluorescence of Europium-Salicylic Acid Complex for the Determination of Salicylic Acid", (poster presentation). **The 43rd KSIEC Meeting, May 11, 2011, page 317, Jeju, Korea.**

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23. G.B. Kolekar, A.M. Alam, **M. Kamruzzaman**, S.H. Lee, Y.H. Kim, S.Y. Kim, "Nanoparticles Enhanced Luminescence Properties of Terbium-L-3, 4-dihydroxy-phenylalanine Complex in solution and its Pharmaceutical Application" (poster presentation). **The 2nd**

International Conference on New and Renewable Energy, April 8, 2011, page 54, Daegu, Korea.

24. S.M. Alam, **M. Kamruzzaman**, A.M. Alam, S.H. Lee, Y.S. Suh, Y.H. Kim, S.H. Kim, "Photoluminescence Intensification of Lanthanide Complexes by Metal Nanoparticles and Its Applications", (poster presentation). **The 2nd International Conference on New and Renewable Energy, April 8, 2011, Page 49, Daegu, Korea.**

25. T. Ferdous, **M. Kamruzzaman**, A.M. Alam, S.H. Lee, Y.H. Kim, Y.K Paik, H.J. Jo, "An Enhanced Luminol-H_2O_2-Cu^{2+} Chemiluminescence System Coupled with Flow Injection Analysis for Determination of L-Phenylalanine in a Pharmaceutical Sample", (poster presentation). **The 2nd International Conference on New and Renewable Energy, April 8, 2011, Page 34, Daegu, Korea.**

26. A.M. Alam, **M. Kamruzzaman**, T. Ferdous, Y.H. Kim, S.H. Lee, "Gold Nanoparticles Sensitized Chemiluminescence Study of Carbamazepine in Pharmaceutical Formulation Using Luminol-KIO4 System Combined with Flow Injection Anlysis", (poster presentation). **The 42nd KSIEC Meeting, October 27, 2010, page 177, Daejeon, Korea.**

27. A.M. Alam, **M. Kamruzzaman**, Y.H. Kim, S.Y. Kim, H.J. Jo, S.H. Lee, "A Fluorescence Method with Terbium (III)-Sodium Dodecyl Benzene Sulfonate for determination of Norepinephrine", (poster presentation). **The 42nd KSIEC Meeting, October 27, 2010, page 176, Daejeon, Korea.**

28. Y.H. Kim, S.Y. Kim, H.J. Jo, **M. Kamruzzaman**, A.M. Alam, Y.S. Suh, S.H. Lee, "Silver Nanoparticle Enhanced Chemiluminescent Luminol System for determination of L-Alanine", (poster presentation). **The 7th Korea-Japan Symposium on Frontier Photoscience, October 23,2010, page 45, Daegu Korea.**

29. H.J, Jo, **M. Kamruzzaman**, S.H. Lee, H.Y. Chung, Y.H. Kim, "Determination of Copper Ion (II) Using Luminol–H_2O_2–Phosphate Buffer System", (poster presentation). **The 2nd Daegu-Gyungbuk KCS Regional Meeting, August 18, 2010, page 16, Andong, Korea.**

Google Scholar ID:

https://scholar.google.com/citations?hl=en&user=TjNZbYoAAAAJ

PERSONAL DETAILS

- ✧ **Full Name** **MD. KAMRUZZAMAN**
- ✧ **Date of Birth** 5th Jan, 1981
- ✧ **Nationality** Bangladeshi

✧ **Religion** Muslim

✧ **Gender** Male

✧ **Status** Married

✧ **Permanent Address** Vill: Charmohonpur; Post: Tikrampur; Nawabganj Sadar, Chapai Nawabganj, Bangladesh

✧ **Language** English, Bengali, Korean (Elemental)

✧ **Hobies** Watching documentaries, Movies, Playing cricket,

Reference:

Dr. Md. Ashaduzzaman
Professor, Department of Applied Chemistry & Chemical Engineering, University of Dhaka, Bangladesh
Treasurer; Comilla University, Comilla, Bangladesh
Email: azaman01@univdhaka.edu
Phone: 880-1680773734, 880-1750445997

Dr. Mohammed Mizanur Rahman
Professor, Department of Applied Chemistry & Chemical Engineering, University of Dhaka, Bangladesh
E-mail: mizanur.rahman@du.ac.com
Phone: +88029661920-70/7392
Mob: +8801710417260