

Curriculum Vitae  
of  
Dr. Md. Qamrul Ehsan



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### Curriculum Vitae

**Name** : Dr. Md. Qamurl Ehsan  
**Father's Name** : Late, Mr. Abdullah-Al-Mamoon  
**Present Address** : F2, Munir Chowdhury Bhaban,  
Dhaka University, Dhaka - 1000, Bangladesh  
**Permanent Address** : 371/1, North Goran, Khilgaon, Dhaka - 1219, Bangladesh  
**Date of Birth** : 16 April, 1960  
**Religion** : Islam  
**Nationality** : Bangladeshi  
**Marital Status** : Married :-  
Wife : Mirza Sabera Khatun  
Daughter (1) : Tasneem Ehsan  
Daughter (2) : Nusaibah Ehsan

### Academic Qualifications :

- \* BSc with Honours in Chemistry from Dhaka University.
- \* MSc (research group) in Chemistry from Dhaka University.
- \* DSc in Physical Chemistry (EPR and ENDOR spectroscopy) from Tohoku University, Japan.

**Present Position:** Professor, Department of Chemistry, University of Dhaka,  
Dhaka -1000, Bangladesh.

**Present duties in the Department:** Taking a) theoretical and practical classes of 1<sup>st</sup>, 3<sup>rd</sup>,  
4<sup>th</sup> year B.S. Hons. class, MS students, and MPhil students.  
b) taking care of research of MS, MPhil and PhD students.

### List of Publications:

#### Thesis :

1. Investigations on Some Metal Compounds of L-Proline and DL-Aspartic Acid, *M.Sc. Thesis*, Dhaka University, Bangladesh, 1985
2. EPR and ENDOR Studies of the Trigonal Bipyramidal Copper Complexes with Tripodal Ligands, *D. Sc. Thesis*, Tohoku University, Japan, 1995

**Papers:** (in the local journals)

- 1 S. Z. Haider, K.M. A. Malik, **M. Q. Ehsan**, P. K. Bakshi and T. Wadsten; Interaction of DL-Aspartic Acid with Metal Ions, Part I. Preparation, Characterization and Properties DL-Aspartic Acid Complexes of Cu(II), Cd(II) and Hg(II), *J. Bangladesh Acad. Sci.*, **10(1)**, 85-92, 1986
- 2 S. Z. Haider, K. M. A. Malik, L. S. Ahmed, **M. Q. Ehsan**, M. S. Khan and T. Wadsten; Preparation and Properties of 8-Hydroxyquinolino Compounds of Some Heavy Metals, *Dhak. Univ. Stud.*, **B 34(2)**, 239-246, 1986
- 3 **M. Q. Ehsan**, S. Z. Haider, K. M. A. Malik, M. S. Khan and R. J. Kuddus; Interaction of DL-Aspartic Acid with Metal Ions. Part II. Preparation, Characterization and Properties of DL-Aspartic Acid Complexes of Zn(II), Mo(VI), Hg(II), and Pb(II), *Dhak. Univ. Stud.*, **B 35(2)**, 153-160, 1987
- 4 M. A. Al-Mamoon, **M. Q. Ehsan**, Omar Ahmed and A. J. Mahmood; Hydrogen Bonding Interaction Leading to the Formation of Liquid Crystalline Phase in Surfactant-Additive-Water System, *J. Bangladesh Chem. Soc.*, **2(2)**, 181-184, 1989
- 5 **M. Q. Ehsan**, K. M. A. Malik and S. Z. Haider; Preparation, Characterization and Properties of L-Prolinato Compounds of Cd(II) and Hg(II), *J. Bangladesh Acad. Sci.*, **20(2)**, 175-181, 1996
- 6 T. S. A. Islam, M. Abdus Salam, A. J. Mahmood, F. Ruby and **M. Q. Ehsan**; Photolysis of Tri *m*-Tolyl Phosphine, *J. Bangladesh Chem. Soc.* **9(2)**, 221-227, 1997
- 7 **M. Q. Ehsan**, M. Jebin, M. A. Quyser, K. M. A. Malik and S. Z. Haider; Interactions of DL-Aspartic Acid with Metal Ions. Part IV. Preparation, Characterization and Properties of DL-Aspartic Acid Complexes of Pt(IV), Ru(III), Zr(IV) and U(VI), *J. Bangladesh Chem. Soc.*, **10(1)**, 31-37, 1997
- 8 T. S. A. Islam, **M.Q. Ehsan**, Hosne Ara and F. Khanom,; Studies of Adsorption of 2,4-Dichlorophenol on Kaolinite, *J. Bangladesh Chem. Soc.*, **10(1)**, 51-59, 1997
- 9 **M. Q. Ehsan**, Identification and Characterization of the Proton ENDOR Signals of the Trigonal Bipyramidal Copper Complexes, [Cu(tren)NH<sub>3</sub>](ClO<sub>4</sub>)<sub>2</sub> and [Cu(tren)NCS]SCN [Tren=Tris(2-aminoethyl)amine], *J. Bangladesh Acad. Sci.*, **21(2)**, 207-211, 1997
- 10 **M. Q. Ehsan**, J. M. A. Rahman, M. A. Quyser, Preparation, Characterization and Properties of L-Glutamic Acid Complexes M(C<sub>5</sub>H<sub>7</sub>NO<sub>4</sub>).2H<sub>2</sub>O [M = Co(II), Ni(II), Cu(II) and Zn(II)], *J. Bangladesh Chem. Soc.*, **10(2)**, 187-193, 1997
- 11 **M. Q. Ehsan**, J. M. A. Rahman, M. A. Quyser; Interactions of DL-Aspartic Acid with Metal Ions. Part V. Preparation, Characterization and Properties of DL-Aspartic Acid Complexes of Trivalent Metal Ions Cr(III) and Fe(III), *J. Bangladesh Chem. Soc.*, **10(2)**, 195-201, 1997
- 12 **M. Q. Ehsan**, Y. Ohba, S. Yamauchi, and M. Iwaizumi; EPR. and ENDOR Study of the Trigonal Bipyramidal Copper Complexes with Sulphur and Nitrogen and Donor Quadridentate Tripodal Ligands, *J. Bangladesh Chem. Soc.* **11(1&2)**, 1-8. 1998
- 13 L. N. Rahman, **M. Q. Ehsan** and A. H. Khan; Copper Glutathion Interaction for Complexation and Speciation Studies at Thin Mercury Film Electrode in Artificial Sea Water, *Dhak. Univ. J. Sci.*, **46(2)**, 223-235, 1998
- 14 A. K. M. Z. Hossain, M. A. Hossain, F. Khanom, H. A. Begum, **M. Q. Ehsan** and T.S. A. Islam; Adsorption Behaviour of Dichlorophenol on Alumina, *Dhaka Univ. J. Sci.* **47(2)**, 167-175, 1999
- 15 **M. Q. Ehsan**, A Rudaba, and M. A. Quyser, Studies of Mixed Ligand Complexes of Cu(II), Ni(II), Zn(II), and Cd(II), Aspartate with 1,10-Phenanthroline, *J. Bangladesh Chem. Soc.*, **12(1)**,

75-81, 1999

- 16 **M. Q. Ehsan**, Preparation and Characterization of Mixed Ligand Complexes M(ASP)(L). H<sub>2</sub>O, M=Hg(II) and Pb(II), ASP=DL-Aspartic acid and L=2,2' Bipyridil and 1,10-Phenanthroline, *Dhaka Univ. J. Sci*, **47(2)**, 263-265, 1999
- 17 M. B. Hursthouse, K. M. A. Malik, P. K. Bakshi, A. A. Bhuiyan, **M. Q. Ehsan** and S. Z. Haider; Structural Characterization of Nobel Metal-Thiamine Compound Hg<sub>3</sub>C<sub>18</sub>[C<sub>12</sub>H<sub>18</sub>N<sub>4</sub>OS] Containing Direct Hg-O and Hg-N bonds., *J. Bangladesh Chem. Soc.*, **12(2)**, 193-205, 1999
- 18 Md. Abul Hossain, **M.Q. Ehsan**, and Tajmeri S. A. Islam; Sorption of Cr(VI) On Used Tea Leaves, *Dhaka Univ. J. Sci.* **48(1)**, 7-12, 2000
- 19 **M. Q. Ehsan** and SM Saiful Islam, Preparation and Characterization of the Complexes of the Ligand Tren[Tren=Tris(2-aminoethyl)amine] with Trivalent Metal Ions Cr(III) and Fe(III), *Dhaka Univ. J. Sci*, **48(2)**, 125-128, 2000
- 20 Al-Nakib Chowdhury, Ruhul A. Khan, Motasser Hossain and **M. Q. Ehsan**, Electrochemical and Solid-state Properties of Anion-Doped Poly Pyrrole Films, *J. Bangladesh Chem. Soc.*, **14(2)**, 149-155, 2001
- 21 **M. Q. Ehsan**, Md. Ahidul Islam and M. A. Quyser, Preparation, Characterization and Molecular Models of Mixed Ligand Complexes of Saccharine and 4-4'-Bipyridil with Co(II), Ni(II) Cu(II) and Zn(II), *Dhak. Univ. J. Sci.*, **50(2)**, 151-157, 2002
- 22 M. Khairul Kabir, **M.Q. Ehsan** and A.H. Khan; Anodic Stripping Voltametry at Thin Mercury Film Electrode for Trace Analysis in Environmental and Biological Studies, *J. Bangladesh Chem. Soc.*, **15(1)**, 1-12, 2002
- 23 S.P. Hawladar, S.M.Mizanur Rahman and **M.Q. Ehsan**; Study of Chemical Composition and Physical Properties of Water-soluble Pentosan of Wheats 'Sourav' and 'Gourav' *The Dhak Univ J Sci*, vol 56(1), 123-124, 2008
- 24 H. M. Naseem Akhter, Anjan Saha, A. A. Shaikh, Muhammad Al-Mamun and **M. Q. Ehsan** Cyclic Voltammetric Study of the Redox behaviour of Copper in Copper-N-Hydroxy-Phthalimide Complex, *Dhaka Univ, J Sci*, **57(1)**, 75-79, 2009
- 25 N. Sharmin, M. M. Rashid, M. A. Mamun, S. M. M. Rahman and **M. Q. Ehsan**, Purity of Some Edible Fats and Oils Available in the Local Markets of Bangladesh, *Dhaka Univ, J Sci* **56(2)**, 251-252, 2008
- 26 M. H. Sabbir, H. M. Naseem Akhtar, M. A. Mamun and **M.Q. Ehsan**, Cyclic Voltammetric Study on the Interaction of Ranitidine with Iron and Copper at Glassy Carbon, Platinum and Gold electrodes., *Dhaka Univ. J Sci*, **57(2)**, 193-198, 2009.
- 27 Md Abdul Jabbar, K. Kaium, Shaila Salauddin, R. A. Chowdhury and **M. Q. Ehsan**, Voltammetric and Spectroscopic Evidences for the Complexation between Ascorbic Acid and Iron in Aqueous Media and Its Application, *Bangladesh Journal of Scientific Research*, 24(1), 1-14, 2011
- 28 Mir Mahadi Hasan, Md. Elius Hossain, and **M. Q. Ehsan**, Spectroscopic Study of Copper-Glutamic acid Interaction and Determination of Stability Constant, *Journal of Engineering Science*, 4(1), 141-145, 2013
- 29 Taj Al Tanvir, Mohammad Al Mamun and **M.Q. Ehsan**, Preparation and Characterization of Iron (III) Complex of Saccharin, *J Bangladesh Acad Sci*, **37(2)**, 195-203, 2013

- 30 Omar Faruq, Md. Mahmudul Hasan, Md. Elius Hossain and **M. Q. Ehsan**; Spectroscopic Investigation of Interaction of Fe(II) with Different Ligands and Determination of Stability Constants, *Journal of Engineering Science*, 5(1), 41-45, 2014
- 31 G. J. Islam, Elius Hossain and **M. Q. Ehsan**\* Electrochemical Studies on the Interaction of Biologically Important Metal ion ( $\text{Cu}^{2+}$ ) and Metronidazole in Aqueous Solution, *Journal of Engineering Science*, 5(1), 61-67, 2014
- 32 Md. Toufiqur Rahman, Md. Elius Hossain and **M. Q. Ehsan**\*, Spectrophotometric and Cyclic Voltammetric Study of Interaction of Fe(III) with Vitamin B<sub>6</sub> and Vitamin B<sub>3</sub>, *J Bangladesh Acad Sci*, **38(2)**, 143-153, 2014.
- 33 Md. Toufiqur Rahman, Md. Uzzal Hossain and **M. Q. Ehsan**\*, Electrochemical Behaviour of Dihydroxybenzene Isomers at Glassy Carbon Electrode in Different Electrolytic Media, *J Bangladesh Acad Sci*, **39(2)**, 135-146, 2015.
- 34 G. J. Islam, Elius Hossain, Mahmudul Hasan and **M. Q. Ehsan**\*, Study on the Interaction of Zn(II) Ion With Metronidazole Drug in the Aqueous Medium Using Electrochemical Techniques, *J. Asiat. Soc. of Bangladesh, Sci.* 41(2), 193-201, 2015.
- 35 Md. Abul Hossain, Md. Mufazzal Hossain and **M. Q. Ehsan**, Estimation of Formation Constant of Cr(III)-EDTA Complex and Kinetics Study of the Complexation Reaction, *J Bangladesh Chem. Soc.*, 27(1&2) 139-150, 2015.
- 36 Sabbir Sarker and **M. Q. Ehsan**, Preparation and Characterization of Toxic Metal Complexes of Nicotinamide and Nicotinic Acid, *J Bangladesh Acad Sci*, **41(1)**, 37-45, 2017.
- 37 R. Ahmed, **M. Q. Ehsan** and M. A. Hossain; Mass transfer mechanism of the adsorption of fast green on used black tea leaves from aqueous solution, *J. Bangladesh Chem. Soc.*, **32(1&2)**, 48-54, 2020.
- 38 H. M. Naseem Akhtar, **M. Q. Ehsan**; Interaction of Mn(II) and Zn(II) with ciprofloxacin antibiotics, *Bangladesh J. Sci. Ind. Res.* **56(4)**, 285-292, 2021.
- 39 Maksudul Alam, Md. Mahmudul Hasan, Shamim Ahmed, **M. Q. Ehsan**; Preparation and characterization of hydrated ciprofloxacin metal sulphates ( $\text{C}_{17}\text{H}_{19}\text{FN}_3\text{O}_3\text{Cl}$ )  $\text{MSO}_4 \cdot \text{H}_2\text{O}$  [M = Mn(II), Fe(II), Cu(II) and Zn(II)], *J. Bangladesh Chem. Soc.*, **33(2)**, 134–139, 2021.
- 40 Md. Mahmudul Hasan and **M. Q. Ehsan**; Electrochemical studies on interactions of  $\text{Cu}^{2+}$ ,  $\text{Zn}^{2+}$  and  $\text{Cd}^{2+}$  with leucine and isoleucine, *Dhaka Univ. J. Sci.*, **69(3)**, 230-237, 2022.
- 41 Md. Tanjir Rahman, Saiful Islam, Md. Ershad Halim, Shamim Ahmed and M. Q. Ehsan; Preparation and Characterization of Aceclofenac Complexes of First Row Transition Metals Mn(II), Co(II), Ni(II), Cu(II), and Zn(II), *Dhaka Univ. J. Sci.*, **71(2)**, 153-159, 2023.

**Papers** :(in the foreign journals)

- 1 **M. Q. Ehsan**, Y. Ohba, S. Yamauchi, and M. Iwaizumi; Ligand ENDOR Study of the Trigonal Bipyramidal Copper Complexes,  $[\text{Cu}(\text{tern})\text{SCN}]\text{SCN}$  and  $[\text{Cu}(\text{tern})\text{NH}_3](\text{ClO}_4)_2$  in the Powder State, [tren=Tris(2-aminoethyl)amine], *Chem. Lett. Japan*, 151-152, 1995
- 2 **M. Q. Ehsan**, Y. Ohba, S. Yamauchi, and M. Iwaizumi; ENDOR Study of the Copper Complexes Having Trigonal Bipyramidal Coordination Structure: Model Study of the Blue Copper Protein Active Site, *Magnetic Resonance In Medicine*, Japan, **6**, 230-232, 1995

- 3 **M. Q. Ehsan**, Y. Ohba, S. Yamauchi, and M. Iwaizumi; EPR. and ENDOR Study of the Trigonal Bipyramidal Copper Complexes with Nitrogen Donor Tripodal Ligands, *Bull. Chem. Soc. Jpn.* **69(8)**, 2201- 2209, 1996
- 4 M. B. Hursthouse, K. M. A. Malik, P. K. Bakshi. A. A. Bhuiyan, **M. Q. Ehsan** and S. Z. Haider; Properties and Structural Characterization of a Complex salt  $2[C_{12}H_{18}N_4OS] \cdot [Sb_2Cl_{10}]$ , Obtained by the Reaction of Thiamine (vitamin B<sub>1</sub>) with Antimony Trichloride, *J. Chem. Cryst.* England, **26(11)**, 739-745, 1996
- 5 **M. Q. Ehsan**, M. Jebin, E. Ahmed and M. A. Quyser; Synthesis and Characterization of DL-Aspartic Acid Complexes of Mn(II), Co(II), Ni(II) and Pd(II), *Ind. J. Chem.* **38(A)**, 826-828, 1999
- 6 **M. Q. Ehsan** , Preparation and Characterization of First Row Transition Metal Complexes with Quadridentate Tripodal Ligand Tren [Tren=Tris(2-aminoethyl)amine], *Pak. J. Sci. and Ind. Res.*, **43(5)**, 271-274, 2000
- 7 **M. Q. Ehsan** , S. Khatun and M. A. Quyser, Preparation and Characterization of Pyridoxine Complexes of Mn(II), Co(II), Ni(II), Cu(II), and Zn(II), *J. Saudi Chem. Soc.*, **5(1)**, 59-66, 2001
- 8 **M. Q. Ehsan**, A Rudaba, and M. A. Quyser, Studies on Mixed Ligand Complexes of Metal Aspartates with 2,2'-bipyridil, *J. Nepal Chem. Soc.*, **20**, 41-48, 2001
- 9 **M. Q. Ehsan** and M. A. Quyser, Preparation and Characterization of Copper complex of  $\beta$ -N-Oxalyl- $\alpha$ - $\beta$ -Diamino Propionic Acid, *J. Saudi Chem. Soc.*, **6(2)**, 231-236, 2002
- 10 Ismat-Ara, A. A. Shaikh, **M.Q. Ehsan** and A.H. Khan, Electrochemical Behaviour of Copper-Aspartic acid Complex at Glassy Carbon Electrode, *J. Saudi Chem. Soc.*, **7(1)**, 129-138, 2003
- 11 **M.Q. Ehsan**, M. H. Rashid and SM Saiful Islam, Preperation Characterization and Molecular models of the Complexes of Quadridentate Tripodal Ligand Tren [Tren = tris(2-aminoethyl)amine] with Ag(I), Cd(II), Hg(II), Zr(IV) and U(VI), *Pak. J. Sci Ind. Res.* **46(5)**, 317-322, 2003
- 12 **M. Q. Ehsan** , S. Marzina Begum and SM. Saiful Islam, Preparation and Characterization of Pyridoxine Complexes of Mo(VI), Cd(II), Hg(II), and U(VI), *J. Saudi Chem. Soc.*, **8(2)**, 251-256, 2004
- 13 M. Rokonzaman, A. A. Shaikh, S. N. Afzal, **M. Q. Ehsan** and A. H. Khan; Differential Pulse Anodic Stripping Voltammetry at Thin Mercury Film Electrode For Trace Analysis of Pb<sup>2+</sup>, Cd<sup>2+</sup>, And Cu<sup>2+</sup> in Agricultural Soil.; *J. Saudi Chem. Soc.*, **8(3)**, 369-376, 2004
- 14 A. A. Shaikh, S. N. Afzal, A. H. Khan, and **M. Q. Ehsan\***, Electrochemical Study on Redox Reaction of Iodide and Bromide in Presence of Benzoylacetone at Carbon Electrodes, *J. Saudi Chem. Soc.* **9(2)**, 279-286, 2005
- 15 **M. Q. Ehsan**, S. S. Shammi, A. A. Shaikh and S.M. Saiful Islam, Preparation, Characterization and Molecular Models of some Transition Metal Complexes of Tren [Tren= tris(2-aminoethyl)amine], *Malaysian J. Chem.*, **7(1)**, 38-45, 2005
- 16 A. A. Shaikh, Marzina Begum, A. H. Khan and **M. Q. Ehsan\***, The Cyclic Voltammetric Studies of the Redox Behaviour of Iron(III) Vitamin B<sub>6</sub> Complex at Carbon Paste Electrode *Russian J. Electrochem.* **42(6)**, 620-625, 2006
- 17 A.A. Shaikh, B. Tripura, T. Shireen, P.K. Bakshi, **M. Q. Ehsan** and A.H. Khan, Estimation of Arsenic in Ground Water Using Different Voltammetric Techniques at Gold Electrodes. A

Comparative Study, *J. Saudi Chem. Soc.*, 10(2), 211-218, 2006

- 18 **M.Q. Ehsan**,\* M. Motaleb Hossain, Omar Ahmed and S.M. Saiful Islam, Preparation, Characterization and Molecular Models of the Co(II), Ni(II) and Cu(II) Complexes of Tetradentate Ligand Triethylenetetramine. *J. Saudi Chem. Soc.*, 11(1), 25-30, 2007
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- 20 **M. Q. Ehsan**, M. Motaleb Hossain and SM Saiful Islam; Preparation, Characterization and Molecular Models of the Complexes of Triethylenetetramine with Cr(III) and Fe(III), *Malaysian Journal of Chemistry*,
- 21 S. N. Afzal, M. A. Ali Shaikh, C. M. Mustafa, M. Nabi, **M. Q. Ehsan**, and A. H. Khan, Study of Aluminum Corrosion in Chloride and Nitrate Media and its Inhibition by Nitrite *J. Nepal Chem. Soc.*, **22**, 26-33, 2007
- 22 S.S. Shammi, A.A. Shaikh, S.M. Saiful Islam and **M.Q. Ehsan**,; Preparation, Characterization Molecular Models and Cyclic Voltammetric Study of Tren Complexes of Cu(II) and Zn(II) [Tren = tris(2-aminoethyl)amine], *Malaysian Journal of Chemistry*, **10(1)**, 9-14, 2008
- 23 H. M. Naseem Akhter. A. A Shaikh and **M. Q. Ehsan**; Cyclic Voltammetric Study of The Redox Behaviour of Fe(II), Fe(III) Systems Forming During The Oxidation of Fe(II) Complexes With Saccharine And With Saccharin And 1,10-Phenanthroline; *Russian J Electrochem.*, 44(12), 1504-1509, 2008
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- 25 Gazi Jahirul Islam, H. M. Naseem Akhter, M. A. Mamun and **M. Q. Ehsan**, Investigations on the Redox Behavior of Manganese(II)-Saccharin and Manganese(II) –Saccharin-1,10-Phenanthroline Complex, *J. Saudi Chem. Soc.*, **13**, 177-143, 2009
- 26 M.A. Mamun, Omar Ahmed, P. K. Bakshi, **M.Q. Ehsan**, Synthesis and Spectroscopic, Magnetic and Cyclic Voltammetric Characterization of Some Metal Complexes of Methionine:  $[(C_5H_{10}NO_2S)_2M^{II}]$ ;  $M^{II} = Mn(II), Co(II), Ni(II), Cu(II), Zn(II), Cd(II)$  and  $Hg(II)$ , *Journal of Saudi Chemical Society* **14**, 23–31, 2010
- 27 Monira Laizu, H. M. Naseem Akhter, M. A. Mamun, Md. Abdul Jabbar and M. Q. Ehsan, Cyclic Voltammetric Study on the Effect of the Introduction of Secondary Ligands on the Behaviour of the Copper-Saccharin Complex, *J. Natn. Sci Foundation Sri Lanka*, **38(2)**, 91-99, 2010
- 28 M. A. Mamun, Omar Ahmed, P. K. Bakshi , S. Yamauchi and **M. Q. Ehsan**, Synthesis and Characterization of Some Metal Complexes of Cystine :  $[M^{II}(C_6H_{10}N_2O_4S_2)]$  ; where  $M^{II} = Mn(II), Co(II), Ni(II), Cu(II), Zn(II), Cd(II), Hg(II)$  and  $Pb(II)$ , *Russian Journal of Inorganic Chemistry*, **56(12)**, 1972-1980, 2011
- 29 K. Lutfar Rahman, M. A. Mamun and **M. Q. Ehsan**, Preparation of Metal Niacin Complexes and Characterization using Spectroscopic and Electrochemical Techniques. *Russian Journal of Inorganic Chemistry*, **56(9)**, 1436-1442, 2011
- 30 Md. Elius Hossain, Md. Mahmudul Hasan, M. A. Mamun, and **M. Q. Ehsan** Study of Interaction Between Zinc (II) and Aspartic Acid Using Cyclic Voltammetry, *Pakistan Journal of Scientific*

and *Industrial Research*, **55(2)**, 72-79, 2012

- 31 Md. Mahmudul Hasan, Md. Elius Hossain, M. A. Mamun, and **M. Q. Ehsan**, Study of Redox Behaviour of Cd(II) and Interaction of Cd(II) with Proline in the Aqueous Medium Using Cyclic Voltammetry, *Journal of Saudi Chemical Society*, **16**, 145-151, 2012
- 32 Md. Elius Hossain, Md. Mahmudul Hasan, M. E. Halim, **M. Q. Ehsan**, Mohammad A. Halim, Interaction between transition metals and phenylalanine: A combined experimental and computational study, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **138**, 499-508, 2015.
- 33 Md. Mahmudul Hasan, Md. Elius Hossain, M. Ershad Halim and **Md. Qamrul Ehsan**, Preparation and Characterisation of Some Transition Metal Complexes of Niacinamide (Vitamin B<sub>3</sub>), *Pak. J. Sci. Ind. Res. Ser. A: Phys. Sci.* **58 (2)**, 59-65, 2015
- 34 Md. Uzzal Hossain, Md. Toufiqur Rahman, and **Md. Qamrul Ehsan**, Simultaneous Detection and Estimation of Catechol, Hydroquinone, and Resorcinol in Binary and Ternary Mixtures Using Electrochemical Techniques, *International Journal of Analytical Chemistry* **2015**, 862-979.
- 35 H.M. Naseem Akhtar and **M.Q. Ehsan**, Electrochemical studies on the interactions of iron(ii) with some essential amino acids, *Journal of King Saud University - Science*, **2020**, 32(2), 1319-1324.
- 36 Md. Mahmudul Hasan, Imrul Shahriar, Md Ackas Ali, Mohammad A. Halim, **Md. Qamrul Ehsan**, Experimental and computational studies on transition metals interaction with Leucine and Isoleucine, *Journal of Molecular Structure*, **2022**, 1270, 133862
- 37 H. M. Naseem Akhtar & **M. Q. Ehsan**, Electrochemical comparative studies on the redox behavior of Cu(II) and Cr(III) before and after interactions with ciprofloxacin in solutions. *Int Aca. J App Biomed Sci.* 2021, 2(5) 1-8.
- 38 H. M. Naseem Akhtar & M. Q. Ehsan; Investigation on the Interactions of Iron (II) with B Vitamins Using Electrochemical Studies. *Int Aca. J App Biomed Sci.* 2022, 3(6), 23-30.

**Papers in local journal 41**

**Papers in Foreign journal 38**

**Total 41 + 38 = 79 papers**

**Life member:** (i) Bangladesh Chemical Society  
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#### **Referee**

**1. Dr. Masamoto Iwaizumi**  
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**Training/Workshop attended:**

1. Summer Science Institute held in 1987, at the Department of Chemistry, University of Dhaka, Bangladesh.
2. Regional workshop on "Locally Produced Low Cost Equipment of Chemical Education" held in June, 1989, at the Department of Chemistry, University of Dhaka, Bangladesh.
3. Training Programme of NITUB on the "Use and Maintenance of Gas Chromatographs" held in December 1997, at the Department of Chemistry, University of Dhaka, Bangladesh.
4. Regional Training Programme of UNESCO on "Spectroscopy", held in January, 2001, at the Department of Chemistry, Indian Institute of Technology, Madras, India.
5. Regional Training Workshop of UNESCO on "Use of Electronic Media in University Science Teaching", held in December, 2001, at the School of Science, India Gandhi National Open University, New Delhi, India.

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