



## CURRICULUM VITAE

<b>A. Name</b>	<b>PROFESSOR DR. M. ROSTOM ALI</b>
<b>B. Present Address</b>	<b>Vice-Chancellor</b> <b>Pabna University of Science and Technology</b> <b>Pabna</b> Mobile: +880-1727226745 E-mail: <a href="mailto:dmrali@yahoo.com">dmrali@yahoo.com</a> <a href="http://www.ru.ac.bd/achem/m_r_ali.htm">http://www.ru.ac.bd/achem/m_r_ali.htm</a>
<b>C. Permanent Address</b>	Holding No-113/2, Bihas, Binodpur Bazar, Motihar, Rajshahi-6206.
<b>D. Father's Name</b>	Late M. Mamud Ali
<b>E. Date of Birth</b>	March 16, 1960
<b>F. Place of birth</b>	Natia-bari, Bera, Pabna, Bangladesh.
<b>G. Marital Status</b>	Married
<b>H. Broad Discipline</b>	Electrochemistry, Metallurgy.
<b>I. Specialization</b>	Electrochemistry, Electrodeposition, Corrosion, Electrochemical dissolution of minerals, Hydrometallurgy.
<b>Passport Number</b>	BL0165279 (Date of Expiry: June 2021)

<b>J. Educational Qualifications:</b>			
Degree/Year/Results	Institution	Thesis Title	Research Supervisor
Doctor of Engineering, 1996	Department of Metallurgical Engineering, Tokyo Institute of Technology, Tokyo-152, <b>Japan.</b>	Electrodeposition of aluminium-base and cobalt-base alloys from ambient temperature molten salt.	Professor Toroo Tsuru
Post Graduation, 1992	Department of Metallurgical Engineering, Tokyo Institute of Technology, Tokyo-152, <b>Japan.</b>	Electrodeposition of Al-Ni intermetallic compound from aluminium chloride-N-( <i>n</i> -butyl) pyridinium chloride room temperature molten salt.	Professor Toroo Tsuru
M. Sc., 1983 (held in 1986), First Class (First)	Department of Applied Chemistry, <b>University of Rajshahi,</b> Bangladesh.	Kinetics of solvent extraction of titanium(IV) from acidic sulfate solution by di- <i>o</i> -tolyl phosphoric acid-iso- butanol-benzene system.	Professor R. K. Biswas
B. Sc. (Hons), 1982 (held in 1983), First Class (First)	Department of Applied Chemistry, University of Rajshahi, Bangladesh.		

H.S.C., 1979, First Division.	Ishurdi College, Pabna, Bangladesh		
S. S. C., 1976, Second Division.	Rajshahi Collegiate School, Rajshahi, Bangla desh		

#### **K. Professional Experiences:**

Position	Institution	Duration
Vice-Chancellor	Pabna University of Science and Technology, Pabna	7th March 2018 to Date (Deputation)
Professor	Department of Applied Chemistry and Chemical Engineering, University of Rajshahi, Rajshahi-6205, Bangladesh.	November 2002 to Date
Associate Professor	Department of Applied Chemistry and Chemical Technology, University of Rajshahi, Rajshahi-6205, Bangladesh.	June 1997 – November 2002
Assistant Professor	Department of Applied Chemistry and Chemical Technology, University of Rajshahi, Rajshahi-6205, Bangladesh.	November 1992 – June 1997
Lecturer	Department of Applied Chemistry and Chemical Technology, University of Rajshahi, Rajshahi-6205, Bangladesh.	November 1989 – November 1992
Lecturer	Department of Chemistry, Bangladesh Institute of Technology, Chittagong, Bangladesh	April 1987 – November 1989

#### **L. Post Doctoral and Other Research Experiences:**

Position	Institution	Duration
<b>Visiting Professor</b> Advisor: Prof. Atshushi Nishikata	Department of Metallurgy and Ceramics Science, Tokyo Institute of Technology, Tokyo-152, Japan.	27 <sup>th</sup> February 2012 –9 <sup>th</sup> March 2012
<b>Commonwealth Post- Doctoral Fellow (Academic)</b> Advisor: Prof. Andrew P. Abbott	Department of Chemistry, University of Leicester, Leicester LE1 7RA, UK.	October 2008 – March 2009
<b>JASSO Research Fellow</b> Advisor: Prof. Toroo Tsuru	Department of Metallurgical Engineering, Tokyo Institute of Technology, Tokyo- 152, Japan.	August 2004 – November 2004
<b>JSPS Research Fellow</b> Advisor: Prof. Toroo Tsuru	Department of Metallurgical Engineering, Tokyo Institute of Technology, Tokyo- 152, Japan.	October 2000 – January 2001
<b>Young Scientist Research Fellow</b> Advisor: Prof. Toroo Tsuru	Department of Metallurgical Engineering, Tokyo Institute of Technology, Tokyo- 152, Japan.	October 1992 – November 1992
<b>Post Graduation UNESCO Fellow</b> Advisor: Prof. Toroo Tsuru	Department of Metallurgical Engineering, Tokyo Institute of Technology, Tokyo- 152, Japan.	October 1991 – September 1992
<b>Research Fellow</b> Advisor: Prof. R. K. Biswas	Department of Applied Chemistry, University of Rajshahi, Rajshahi-6205, Bangladesh.	November 1986 – March 1987

### M. Academic Awards/Fellowships/Assistantships:

1. Rajshahi Education **Board Scholarship**: 1979 – 1982.
2. Rajshahi **University Scholarship**: 1982 – 1983.
3. **Chancellor Prize** on B. Sc. (Hons.) Result: 1985.
4. **Post Graduation UNESCO Fellowship**, (Tokyo Institute of Technology, Tokyo-152, Japan):1991–1992.
5. **Young Scientist Fellowship**, (Tokyo Institute of Technology, Tokyo-152, Japan): 1992.
6. **MONBUSHO Scholarship**, (Tokyo Institute of Technology, Tokyo-152, Japan):1993–1996.
7. **JSPS Research Fellowship**, (Tokyo Institute of Technology, Tokyo-152, Japan): 2000.
8. **JASSO Research Fellowship**, (Tokyo Institute of Technology, Tokyo-152, Japan): 2004.
9. **Commonwealth Academic Staff Fellowship**, (University of Leicester, Leicester, UK): 2008.
10. **Visiting Professor**, (Tokyo Institute of Technology, Tokyo-152, Japan): 2012.

### N. Names and Addresses of References:

Professor Atshushi Nishikata, Dept. of Metallurgy and Ceramics Science, Graduate School of Science and Engineering, Tokyo Institute of Technology, Tokyo152, Japan Tel: +81-3-5734-3146 Fax: +81-3-5734-2835 E-mail: nishikata.a.aa@m.titech.ac.jp	Professor Andrew P. Abbott, Department of Chemistry, University of Leicester, Leicester LE1 7RA, UK. E-mail: apal@le.ac.uk
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### O. Membership of Professional Associations:

1. Bangladesh Association for the Advancement of Sciences (BAAS).
2. Bangladesh Chemical Society (BCS) (Life Member).

### P. Administrative Experience:

1. **Vice-Chancellor, Pabna University of Science and Technology**, Pabna (March 2018 - to date)
2. **Syndicate Member, Bangladesh Army University of Engineering & Technology**, Qadirabad Cantonment, Natore-6431 (November 2015 - to date)
3. **Regent Board (Syndicate) Member, Jessore Science and Technology University**, Jessore, Bangladesh (May 2012 – May 2016).
4. **Dean (Elected from Yellow Panel), Faculty of Engineering**, Rajshahi University, (13<sup>th</sup> April 2010 to 12<sup>th</sup> April 2012).
5. **House Tutor**, Shah Makdom Hall, Rajshahi University, (1997 - 2000).
6. **House Tutor**, Sarwardi Hall, Rajshahi University, (1990-1991).

## Q. List of Publications

1. **M. R. Ali**, M. M Islam, "Electrodeposition of cadmium from a choline chloride based ionic liquid", *J. Electrochemistry*, Accepted.
2. **M. R. Ali**, M. M Islam, M. A Habib, "Electrodeposition of Selenium from Choline Chloride Based Ionic Liquid", *BAUET Journal*, 2(1) (2018) 66-73.
3. **M. R. Ali**, S. S. Saha and M. Z. Rahman, "Electrodeposition of Cobalt from Eutectic-Based Ionic Liquid, *J. Electrochemistry*", 24(5) (2018) 546-554.
4. **M. R. Ali\***, R. K. Biswas and Md Golam Zakaria, "A study on the electrochemical dissolution of ilmenite fraction of beach sand in sulphuric acid solution", *Journal of Electrochemistry*, 23(4) 420-428 (2017).
5. M. R. Ali, Md. Moynul Islam, Md. Golam Zakaria and Md. Ziaur Rahman, "Electrodeposition of Chromium from Eutectic-Based Ionic Liquid", *BAUET Journal*, 1(1) (2017) 35-43.
6. **M. R. Ali**, Md. Ziaur Rahman, and S. Sankar Saha, "Electroless and electrodeposition of silver from a choline chloride-based ionic liquid", *Pakistan Journal of Scientific & Industrial Research, Series A: Physical Sciences*, 58 (2) (2015) 66-73.
7. **M. R. Ali**, Andrew P. Abbott and Karl S. Ryder, "Electrodeposition of Al-Mg alloys from acidic AlCl<sub>3</sub>-EMIC-MgCl<sub>2</sub> room temperature ionic liquids", *Journal of Electrochemistry*, 21(2) 172-180 (2015).
8. **M. R. Ali**, Md. Ziaur Rahman and S. Sankar Saha, "Electrodeposition of copper from a choline chloride based ionic liquid", *Journal of Electrochemistry*, 20(2) 139-145 (2014).
9. **M. R. Ali**, Md. Ziaur Rahman and S. Sankar Saha, "Electroless and electrodeposition of nickel from deep eutectic solvents based on choline chloride", *Indian Journal of Chemical Technology*, 21, 127-133 (2014).
10. R. K. Biswas, **M. R. Ali\***, A. K. Karmakar and M. Asadujjaman, "Extraction and Spectrophotometric Estimation of Fe(III) by Cyanex 302", *Journal of Applied Spectroscopy*, 80(6) 967(1-7) (2013).
11. **M. R. Ali**, R. K. Biswas, S. M. A. Salam, A. K. Karmakar, A. Akhter and M. H. Ullah, "Cyanex 302: An extractant for Fe<sup>3+</sup> from chloride medium", *Bang. J. Sci. Ind. Res.*, 46(4), 407-414 (2011)
12. R. K. Biswas, **M. R. Ali**, M. A. Habib, S. M. A. Salam, A. K. Karmakar and M. H. Ullah, "Solvent extraction of Fe(III) from aqueous chloride solution by cyanex 30 dissolved in kerosene", *J. . Sci. Res.*, 2(2), 97-109 (2011).

13. **M. R. Ali**, A. P. Abbott, F. Qiu, H. Abood and K. S. Ryder, "Double layer, diluents and anode effects upon the electrodeposition of aluminium from chloroaluminate based ionic liquids", *Phys. Chem. Chem. Phys.*, **12**, 1862-1872 (2010).
14. **M. R. Ali**, C. M. Mustafa and M. Habib, "Effect of molybdate, nitrite and zinc ions on the corrosion inhibition of mild steel in aqueous chloride media containing cupric ions", *J. Sci. Res.*, **1(1)**, 82-91 (2009)
15. R. K. Biswas, **M. R. Ali** and N. Begum, "Extraction behaviour of Fe<sup>3+</sup> from chloride solution by technical grade D<sub>2</sub>EHPA: A comparison with the results obtained by analytical grade", *Pak. J. Sci. Ind. Res.*, **50(1)**, 10-17 (2007).
16. R. K. Biswas, **M. R. Ali**, A. K. Karmakar and M. Kamruzzaman, "Kinetics of solvent extraction of copper(II) by bis-(2,4,4-trimethylpentyl)phosphonic acid using single drop technique", *J. Chem. Eng. and Tech.*, **30(6)**, 774-781 (2007).
17. **M. R. Ali**, A. Nishikata and T. Tsuru, "Electrodeposition of cobalt from cobalt chloride-N-(n-butyl)pyridinium chloride molten salt", *Ind. J. Chem. Tech.*, **12**, 648-653, (2005)
18. T. Tsuru, Y. Huang, **M. R. Ali** and A. Nishikata, "Hydrogen entry into steel during atmospheric corrosion process", *Corrosion Science*, **47**, 2431-2440, (2005).
19. M. A. Habib, R. K. Biswas, **M. R. Ali** and A. K. M. Hasan, "Leaching of nontreated ilmenite by HCl-CH<sub>3</sub>OH-H<sub>2</sub>O mixture and its kinetics", *Ind. J. Chem. Tech.*, **13**, 53-59, (2005).
20. M. N. Islam, M. M. Islam, A. Q. Sarker and **M. R. Ali**, "Thermodynamics and transport properties of aqueous solutions of 1,3-propanediol, cis-2-butene-1,4-diol and ethylenediamine", *J. Bang. Chem. Soc.*, **18** (1), 9-19 (2005).
21. **M. R. Ali**, A. Nishikata and T. Tsuru, "Electrodeposition of Al-Ti alloys from aluminum chloride-N-(n-butyl)pyridinium chloride room temperature molten salt", *Ind. J. Chem. Tech.*, **10**, 14-20 (2003).
22. **M. R. Ali**, R. K. Biswas, M. A. Habib and D. K. Sarker, "Solvent extraction of Ti(IV) from aqueous solution by cyanex 301 dissolved in kerosene", *Rajshahi Univ. Stud., Part B, J. Sci.*, **31**, 1-10 (2003).
23. **M. R. Ali**, N. Begum, and S Ahmed, "Solvent extraction of vanadium(V) from aqueous sulfate solution by tri-n-octylamine in kerosene decan-1-ol system", *Rajshahi Univ. Stud., Part B, J. Sci.*, **30**, 61-72, (2002).
24. M. A. Habib, **M. R. Ali**, M. Islam and M. E. Miah, "Solvent extraction of titanium(IV) from sulfate medium by DPP-TPP mixture in toluene", *J. Bang. Chem. Soc.*, **15** (2), 101-112 (2002).

25. **M. R. Ali**, A. Nishikata and T. Tsuru, "Electrodeposition of cobalt-chromium alloys from cobalt chloride-N-(n-butyl)pyridinium chloride molten salt", *Ind. J. Chem. Tech.*, **8**, 44-50 (2001).
26. **M. R. Ali**, A. Nishikata and T. Tsuru, "Electrodeposition of Al-Ni intermetallic compounds from aluminum chloride-N-(n-butyl)pyridinium chloride melt at room temperature", *J. Electroanal. Chem.*, **513**, 111-118 (2001).
27. R. K. Biswas, M. A. Habib and **M. R. Ali**, "Intercalation of  $\gamma$ -zirconium phosphate benzenephosphate by primary amines", *Ind. J. Chem. Tech.*, **7**, 137-141 (2000).
28. **M. R. Ali**, A. Nishikata and T. Tsuru, "Electrodeposition mechanism of aluminum from aluminum chloride-N-(n-butyl)pyridinium chloride room temperature molten salt", *Ind. J. Chem. Tech.*, **6**, 317-324 (1999).
29. M. A. Habib, **M. R. Ali**, A. K. Azad and M. Y. A. Mullah, "Solvent extraction of Ti(IV) from sulfate solution with technical grade di-2-ethylhexyl phosphoric acid in kerosene", *Rajshahi Univ. Stud.*, (**Part-B**), **27**, 61-71 (1999).
30. R. K. Biswas, M. A. Habib, **M. R. Ali** and M. Z. Haque, "Kinetics of  $Mn^{2+}$  extraction in acidic chloride-D<sub>2</sub>EHPA-kerosene system using the constant interfacial area stirred cell technique", *Pak. J. Sci. Ind. Res.*, **41** (3) 121-127 (1998).
31. **M. R. Ali**, A. Nishikata and T. Tsuru, "Electrodeposition of aluminum-chromium alloys from AlCl<sub>3</sub>-BPC melt and its corrosion and high temperature oxidation behaviors", *Electrochimica Acta*, **42** (15), 2347-2354 (1997).
32. **M. R. Ali**, A. Nishikata and T. Tsuru, "Electrodeposition of Co-Al alloys of different composition from the AlCl<sub>3</sub>-BPC-CoCl<sub>2</sub> room temperature molten salt", *Electrochimica Acta*, **42** (12), 1819-1828 (1997).
33. R. K. Biswas, D. A. Begum, **M. R. Ali** and S. Siraj-un-Noor, "Solvent extraction of vanadium(IV) and vanadium(V) with di-*o*-tolylhydrogenphosphate in benzene", *Pak. J. Chem. Soc.*, **12** (1), 41-47 (1990).
34. R. K. Biswas and **M. R. Ali**, "Kinetics of backward extraction of titanium(IV)-di-*o*-tolylphosphato complex from isobutanol-benzene solution by acidic sulfate solution", *Ind. J. Chem.*, **29A**, 274-276 (1990).
35. R. K. Biswas and **M. R. Ali**, "Kinetics of extraction of titanium(IV) from acidic sulfate solution by di-*o*-tolyl phosphate-isobutanol-benzene system", *Ind. J. Chem.*, **28A**, 881-885 (1989).
36. R. K. Biswas and **M. R. Ali**, "Solvent Extraction of titanium(IV) from highly acidic sulfate solution by di-*o*-tolyl phosphoric acid-iso-butanol-benzene system", *The Rajshahi University Studies*, (**Part B**) **XV**, 51-63 (1987).

## T. Conferences Attended and Paper Presented in Abroad:

1. Participated and presented a paper entitled, “Electrodeposition of Cobalt from a choline chloride-based ionic liquid” in *The 7th International Symposium on Marine Corrosion and Control*. Organised by Institute of Oceanology, Chinese Academy of Science, Nanjing, **China** 26-28 October (2014).
2. Participated and presented a paper entitled, “Electroless and electrodeposition of silver from a choline chloride-based ionic liquid” in *The sixth International Symposium on Marine Corrosion and Control*. Organised by Tokyo Institute of Technology, Tokyo-152, **Japan**, 2-3 March (2012).
3. Participated and presented a paper entitled, “Electroless and electrodeposition of nickel from deep eutectic solvents based on choline chloride” in *The sixth International Symposium on Marine Corrosion and Control*. Organised by Tokyo Institute of Technology, Tokyo-152, **Japan**, 2-3 March (2012).
4. Participated and presented a paper entitled, “Electrodeposition of Al-Mg alloys from acidic  $\text{AlCl}_3$ -EMIC- $\text{MgCl}_2$  room temperature ionic liquids” in *The sixth International Symposium on Marine Corrosion and Control*. Organised by Tokyo Institute of Technology, Tokyo-152, **Japan**, 2-3 March (2012).
5. Participated and presented a paper entitled, “Effect of molybdate, nitrite and zinc ions on the corrosion inhibition of mild steel in aqueous chloride media containing cupric ions” in “*The Third International Symposium on Marine Corrosion and Control*”. Organised by Institute of Oceanology, Chinese Academy of Science, Qindao, **China**, 14-16 June (2006).
6. Participated and presented a paper entitled, “Extraction Behaviour of  $\text{Fe}^{3+}$  from Chloride Solutions by Technical Grade  $\text{D}_2\text{EHPA}$ : A Comparison with the Results Obtained by Analytical Grade” in “*International Conference on Emerging Trends in Mineral Processing and Extractive Metallurgy*”. Organized by Regional Research Laboratory (CSIR), Bhubaneswar, Orissa, **India**, 13-14 June (2005).
7. Participated and presented a paper entitled, “Electrodeposition of cobalt from cobalt chloride-N-(n-butyl) pyridinium chloride molten salt” in “*International Seminar on Non-Ferrous Metals and Materials with Satellite Symposium on Aluminium*”. Organized by National Metallurgical Laboratory, Jamshedpur, **India**, 9-11 February (2000).
8. Participated and presented a paper entitled, “Electrodeposition of Aluminum-Chromium Alloys from Non-aqueous Solutions and its Corrosion Behavior in Aqueous Solutions” in “*Bi-Annual Conference of The Electrochemical Society of Japan*”, Tokyo, **Japan**, 3-4 April (1996).

9. Participated and presented a paper entitled, "Electrodeposition of Cobalt-Chromium Alloys from Non-aqueous Solutions" in "*International Symposium on Advanced Materials and Technology for the 21st Century*". Organized by Honolulu, **Hawaii**, 13-15 December, (1995).
10. Participated and presented a paper entitled, "Electrodeposition of Al-Co alloys of different composition from non-aqueous solutions" in "*Bi-Annual Conference of The Electrochemical Society of Japan*", Tokyo, **Japan**, 3-4 April (1995).
11. Participated and presented a paper entitled, "Electrodeposition of Al-base Ti Intermetallic Compounds from Non-aqueous Solutions" in "*Bi-Annual Conference of The Electrochemical Society of Japan*", Tokyo, **Japan**, 19-20 September (1994).
12. Participated and presented a paper entitled, "Electrodeposition of Ni-Al intermetallic compound in non-aqueous medium" in "*Bi-Annual Conference of The Electrochemical Society of Japan*", Kyoto, **Japan**, 14-15 October (1993).
13. Participated and presented a paper entitled, "Composition control of alloy deposition by superposed pulse current" in "*Bi-Annual Conference of The Electrochemical Society of Japan*", Tokyo, **Japan**, 29-30 September (1995).
14. Participated and presented a paper entitled, "Electrodeposition of Al-Ni intermetallic compounds from non-aqueous medium" in "*Annual Conference of The Surface Finishing Society of Japan*", Tohoku, **Japan**, 14-15 October (1992).

#### **U. Supervised/Supervising Graduate students:**

About 27 students in M. Sc. and 5 students in M. Phil. / Ph. D.



**Professor Dr. M. Rostom Ali**