

# Resume

Dr. Arindam Rana, M.Sc., Ph.D.



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## ❖ Personal Details

Gender - Male

Date of Birth: 19-01-1966

Nationality: Indian

Address:

W2C-R-2/10, Phase-IVB, Golf Green  
Kolkata-000095. West Bengal, India

Contact Details:

Mob No: **+91 9831019801**, Email ID: **arana1cal@gmail.com**

❖ Current Position: Associate Professor, Department of Chemistry, City College,  
102/1 Raja Rammohan Sarani, Kolkata-700009. (Under Calcutta University).

❖ Date of Joining: 30-04-1997

## ❖ Membership details:

- Life Member:**
- 1] Indian Association for The Cultivation of Science, Kolkata [*Life Member*]
  - 2] Indian Chemical society, Kolkata [*Life Member*]
  - 3] Centre for Interdisciplinary Research and Education, Kolkata [*Life Member*]
  - 4] New Alipur College Chemistry Alumni Association [*Life Member*]
  - 5] St. Lawrence Old Boys' Association [*Life Member*]
  - 6] Enrolled as Film Lover in Films Division, Kolkata Region
  - 7] Honorary Member - Learning System, A Cinema For A Cause Initiative
  - 8] The Dover Lane Music Conference, Kolkata

- Additional Responsibility :**
- 1] Working President  
New Alipur College Chemistry Alumni Association
  - 2] Managing Committee Member,  
St. Lawrence High School [till Aug. 2013]
  - 3] St. Lawrence Old Boys' Association  
[served as Assistant Secy. for 14 years till 2003]
  - 4] *Coordinator of Chemistry* at the Teaching-Learning Centre,  
Centre for Educational Technology, IIT Kharagpur [2 years]

❖ Member of Editorial Board: Honorary Reviewer of AWSR (DST, Govt. of India)

## ❖ Educational qualifications:

Course	University
<b>B.Sc. (Chemistry, Hons.), 1987</b>	University of Calcutta
<b>M.Sc. in Pure Chemistry with special paper: Inorganic. 1989</b>	University of Calcutta [Exam held in 1990]
<b>Ph.D., Chemistry, Thesis topic: Synthetic</b>	Jadavpur University

<b>Coordination Chemistry mimetic of Molybdenum containing Bioinorganic molecules. 1998</b>	[work done at Indian Association for The Cultivation of Science as CSIR Scholar]
<b>Post Doct. , Topic: Metalloporphyrin Chemistry, USA, 2002-2003</b>	University of Notre Dame, Indiana, USA

❖ **Technical, workshop & Academic Training** : All the Orientation & Refresher Programmes necessary at the Academic Staff Colleges of Calcutta & Jadavpur University

❖ **Previous working experience:**

Sl. No.	Post	College, University and Organisation	Department	Duration
1	Guest Lecturer	Bengal Engineering College, Shibpur, Howrah, WB	Chemistry	1994-1996
2	Lecturer	. Haldia Institute of Technology, Haldia, WB	Chemistry	1996-1997
3	Guest Lecturer	Presidency College, Kolkata, WB	Chemistry, Post Graduate Section	1998-2000

❖ **Area of expertise and Research Interest:** Inorganic & Bioinorganic Chemistry

❖ **Research Projects:**

a) Completed:

b) Ongoing Project:

❖ **Publication:**

**Papers:** 5 in International Journals

{Highly cited (<150) & referred as reported in Researchgate.net}

**A] 2009 - Synthesis, chemical and electrochemical studies of complexes of a tridentate ONS chelating ligand built around the elusive [MoVIO]<sub>2</sub>+core**

**Arindam Rana,** [...], Saktiprosad Ghosh

Journal of Coordination Chemistry 11/2009; 62(21):3522-3531. DOI:10.1080/00958970903082176

**B] 2003 - A series of new oxomolybdenum(IV) complexes involving some NSO donors as the main ligand frame; the first use of diacetyldihydrazones to stabilize the MoO +2 acceptor centre**

**Arindam Rana,** [...], Alexander J. Blake

Polyhedron 10/2003; 22(23):3075-3082. DOI:10.1016/j.poly.2003.06.001

**C] 2002 - Synthesis, characterisation and crystal structure of cis-dioxomolybdenum(VI) complexes of some potentially pentadentate but functionally tridentate (ONS) donor ligands**

Arindam Rana, [...], Larry R. Falvello

Polyhedron 05/2002; 21(9-10):1023-1030. DOI:10.1016/S0277-5387(02)00913-0

**D] 1995 - Synthesis, structural and magnetic studies of Imidazolium bis(oxalato)cuprate(II).**

Shyamal K. Chattopadhyay, Arindam Rana, [...], Saktiprosad Ghosh

Polyhedron 12/1995; 14(23-24):3661. DOI:10.1016/0277-5387(95)00151-H

**E] 1993 - Synthesis and structural studies of tetraaquacopper(II) diaquabis(malonato)cuprate(II)**

Debashis Chattopadhyay, Arindam Rana, [...], Saktiprosad Ghosh

Journal of the Chemical Society Dalton Transactions 03/1993; DOI:10.1039/dt9930000913

- ❖ **Awards/Recognitions:** *One of the Hundred Most Inspiring teachers among the science teachers in the country recognised by Tata Institute of Fundamental Research (TIFR), Mumbai in 2009.*
- ❖ **List of Participation in Seminar, Conference and Workshop:** Attended many during the IACS days, UND days, and during the service tenure.
- ❖ **Workshops/Events organized:** All the Students', National & International seminars organised by the Chemistry Department of City College since April 1997
- ❖ **Additional activities :**
  - 1] Propagator & Communicator of Science Awareness and Learning by Fun Stories & Activity based Learning, CHEMAGIC – **Resource Person for Science Outreach camps & workshops organised by DST-INSPIRE, KIIT, JBNSTS, Vigyan Prasar, NCSM, etc. since 2008.**
  - 2] Designer and inventor of a chemistry learning kit – *Kanad, Rana's Molecular Model Kit* [1991-1994]
  - 3] Paper setter & Examiner at - University of Calcutta, Narendrapur Ramakrishna Mission Autonomus Mahavidyalaya, Mahatma Gandhi Institute of Medical Sciences, Pune.
  - 4] Judge at the 25<sup>th</sup> National Children's Science Congress.
  - 5] Judge at WB State Children's Science Congress