



## **CURRICULUM VITAE**

**Dr. Arijit Das**

### **DR. DAS ARIJIT**

**M.Sc., Ph. D. (Inorganic Chemistry), MACS (INVITED), SFICS, FIAFS, FISC  
Dept. of Chemistry, Ramthakur College (NAAC Gr-B),  
Agartala, Tripura (W), Tripura, India.**

**Email: [arijitdas\\_chem@rediffmail.com](mailto:arijitdas_chem@rediffmail.com)**

**Website: [www.drarijitdaschem.in](http://www.drarijitdaschem.in)**

**INVITED MEMBER OF**  
**AMERICAN CHEMICAL SOCIETY**  
**(ACS, USA) (2013 - )**

**Formerly:**

1. **Head, Dept. of Chemistry**, Govt. Degree College, Dharmanagar, Tripura(N),  
Tripura, India – **For a period of more than 2 Years.**
2. **Senior Scientific Officer (Chemical Discipline)**, Group A Gazetted, Tripura  
State Forensic Science Laboratory, Home Dept., Govt. of Tripura, Tripura, India – **For a  
period of 09 Months.**

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**Personal Details:**

**Name:** **DAS ARIJIT**

**Date of Birth:** 14<sup>th</sup> March 1978

**Nationality:** Indian

**Gender:** Male

**Occupation:** Assistant Professor (Chemistry)

**Marital status:** Married

**Current residence:** C/O Mr Subhendu Bhowmik,  
Thakurpalli Road, Krishnanagar,  
T.R.T.C. Road, Agartala,  
Tripura(W),India, Pin- 700001.  
Mobile- 0091-9436583574

**Address:** S/O Sri Anil Ranjan Das

**(Correspondence)** Kacharghat, Kailashahar, Tripura(N),

Tripura, India, Pin-799277.

Phone:-(03824)(222715)/ 9862211165 (M)

E-mail: [arijitdas\\_chem@rediffmail.com](mailto:arijitdas_chem@rediffmail.com)

Website: [www.drarijitdaschem.in /](http://www.drarijitdaschem.in/)

<http://orcid.org/0000-0001-7409-7237>

**Office:** Dept. of Chemistry,

Ramthakur College,

Agartala, Tripura(W), Tripura, India

Tripura, India.

**Languages:** English, Hindi, Bengali

## Summary of Educational Qualifications:

Degree/Experience	Year	Institution	University	Duration
<b>Post-Doctoral Research Experience (Inorganic Chemistry)</b>	<b>2008 –</b>	<b>1. Dept. Of Chemistry, T.U.,(2008-2009)</b> <b>2. SFSL, Narsingarh, Agt. (2010)</b> <b>3. Govt. Degree College, Dharmanagar, North Tripura(N). (2011-2013)</b> <b>4. ‘Synthetic Inorganic Research Lab.’, Sponsored by DST, New Delhi, Govt. of India, at Ramthakur College, Agartala, West Tripura, Tripura, India. (2014 - )</b>	<b>1.Tripura University (A Central University) &amp;</b> <b>2.Under SERB, DST, New Delhi Govt. of India.</b>	<b>&gt;06 Years</b>
<b>Ph.D. (Inorganic Chemistry)</b>	<b>2008</b>	<b>Dept. Of Chemistry, T.U., Tripura, India.</b>	<b>Tripura University</b>	<b>3Yrs 8 months</b>
<b>M.Sc. (Inorganic Chemistry)</b>	<b>2001</b>	<b>Dept. Of Chemistry, T.U., Tripura, India.</b>	<b>Tripura University</b>	<b>2Yrs.</b>
<b>B.Sc.( Hons in Chemistry)</b>	<b>1998</b>	<b>Dept. of Chemistry, R.K.M. College, Kailashahar, Tripura, India.</b>	<b>Tripura University</b>	<b>3Yrs.</b>

## Brief Story about Research Field and Research Project

### ( Ph.D. and Research Experience)

1. **Date of Registration of Ph.D.** by Dept. of Chemistry, Tripura University : **27/08/2003**.

2. (a) Doctoral degree submitted : **28/05/2007**  
**31/03/2008** Tripura Central University  
(b) Doctoral degree awarded: Year :..... University .....

### Title of the Ph.D. Thesis:

**“SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF MIXED LIGAND COMPLEXES OF SOME TRANSITION METAL IONS WITH NITROGEN AND SULPHUR DONORS.”**

**Supervisor: PROF.M.K.SINGH, DEPT. OF CHEMISTRY, TRIPURA UNIVERSITY.**

### **(c) Field of interest:-**

**i) Mixed ligand Complexes. ii) Nitrogen donors. iii) 1,1-Dithiolates.**

**iv) Luminescent properties. V) Electrical conductivity studies over a wide range of temperature.**

**vi) Thermal Studies & CV studies. vii) Antibacterial and antifungal activity studies**

**viii) Chemical Education (Organic, Inorganic and Physical Chemistry).**

3. Principal Investigator of Research project:

**SERB, DST, Govt. of India, New Delhi : (Ongoing)**

**1.Title of the project:** “Synthesis, Characterization, Luminescent Properties and Biological Activity Studies of mixed ligand complexes of some Transition Metal ions with Nitrogen and Sulphur Donors”.

**Lab:** ‘Synthetic Inorganic Research Lab.’, Sponsored by DST, New Delhi, Govt. of India, at Ramthakur College, Agartala, West Tripura, Tripura, India, PIN-799003

**Amount:** Rs.12,00,000/-(Rupees twelve lakhs) .

**Duration:** 02 yrs (2014 to 2015).

**Sanctioned No:** SERB/F/5537/2013-14 dated 27-11-13

**Number of Project Fellow: One (01), Name: Mr Sanjit Sutradhar, M.Sc., NET**

## Description of Experiences:-

### Academic Experiences:

1. Faculty of Chemistry at Govt aid Entrance Institute 'SCHOOL OF SCIENCE', Agartala, Tripura, India, (Institute for IIT-JEE/AIEEE/CBSE-PMT/NDA/NERISTWBJEE/TBJEE) – For a period of **02 years 02 months** (w.e.f. 8.01.2001 to 27.03.2003).
2. Post Graduate Teacher of Chemistry of Manughat H. S. School, Govt. of Tripura, Tripura, India - for a period of **3 years 10 months** (w.e.f. 10-01-2006 to 12-11-2009).
3. Assistant Professor in Chemistry, Govt. Degree College, Dharmanagar, Tripura(N), Tripura,India – for a period of more than 01 Year (w.e.f. 10-01-2011) and **HEAD**,Dept. of Chemistry **since Aug-11**.
4. An External Examiner in **B.Sc.(TDC -Pass)** Part-I, Part-II & Part-III Practical Examination at Ram Krishna Mahavidhyalay, Kailashahar on April 2011.
5. Judge in the Sub-division Level Science Seminar-2011, Dharmanagar, Tripura(N), organized by Dept. of Science & Technology, Tripura on 23-08-2011.
6. An External Examiner in **B.Sc.( TDC-Hons)** Part-I, Part-II & Part-III Practical Examination at Ram Krishna Mahavidhyalay, Kailashahar on April 2012.
7. University Question Setter since **2012**.
8. Assistant Professor . Department of Chemistry, Ramthakur College, Agartala, Tripura (W) since 5<sup>th</sup> Oct-2013.
9. Organizer, several One-day Symposia in Chemistry and Theoretical Chemistry.
10. Principal Investigator of one SERB, DST, New Delhi - Sponsored projects.
11. Evaluation Co-ordinator, All Tripura info. Mega Quiz-2014, Venue-Rabindra Sata Barshiki Bhawban dated 7<sup>th</sup> Sept-2014.

### Administrative Experiences:-

1. Joint Secretary, Teacher's Council, Ramthakur College, Agartala, Tripura(W), India(July2014-)
2. Head, Dept. of Chemistry, Govt. Degree College, Dharmanagar, Tripura(N), Tripura,India – for a period of more than 01 Year (w.e.f. 23/08/2011 to till now).
3. Senior Scientific Officer (Chemical Discipline) Group A Gazetted, Tripura State Forensic Science Laboratory, Home Dept., Govt. of Tripura, Tripura, India – **For a period of 09 Months** ( w.e.f. 26-04-2010 to 06-01-2011).

### Post-Doctoral Research Experience:- > **06 (Six) Years (since12-04-2008)**

Research Experience at Dept. of Chemistry, Tripura Central University, Dept. of Chemical Discipline, Tripura State Forensic Science Lab, Narsingarh, Agartala, and Dept. of Chemistry, Govt. Degree college, Dharmanagar, Tripura, Ramthakur College, Agartala > **Six (06) Years (since12-04-2008).**

**Paper Presentation/ Submission in academic National and International Seminar/  
Conference/ Workshop/ Training**

1. **National Symposium on “IMPACT OF CHEMISTRY ON LIFE AND SOCIETY”**, organized by Dept. of Chemistry, Tripura University, Tripura, India, Oct. (1-3), 2004. (PP)
2. **Teacher’s Training Programme Under SSA**, organized by Education Dept, Govt. of Tripura, 17-01-2006 to 27-01-2006 – 10 days.
3. **Training on Examination of FICN** organized by TSFSL, Govt. of Tripura, Tripura, w. e. f. 10-05-2010, – 27 days.
4. **State Level Seminar on “Frontier Areas of Chemistry”**, organized by Dept. of Chemistry, Tripura University, Tripura, India, 3<sup>rd</sup> Sept, 2010.
5. **International Conference on Emerging Areas of Chemistry**, organized by Dept. of Chemistry, Tripura University, Tripura, India, Jan (12-14), 2011. (PP)
6. **One Day Awareness Programme On Chemical weapons Convention (CWC)**, 13<sup>th</sup> March-2011, organized by Dept. of Chemistry, Tripura University, Tripura, India.
7. **Career Counselling Workshop**, organized by UGC Cell, Govt. Degree College, Dharmanagar, Tripura North, Tripura, India, Feb (19-21), 2011.
8. **Tripura Science Congress**, organized by Tripura State Council For Science and Technology, Govt. of Tripura, Sept (8-9), 2011. (OP)
9. **15<sup>th</sup> National Conference On Surfactants, Emulsions and Biocolloids**, organized by Indian Society For Surface Science And Technology (ISSST), Kolkata-700 032 and Dept. of Chemistry, T.U., Tripura, Dec (27-29), 2011. (OP)
10. **Invited Speaker at District Level Seminar, on the topic ‘Vivekananda and Recent India’** Town hall, Dharmanagar, organized by Dept. of Higher Education, Govt. of Tripura, 18<sup>th</sup> Aug-2012.
11. **National Seminar on Green Chemistry and Nano science Theory and Applications**, Organized by Dept. of Chemistry, NIT, Agartala and Dept. of Chemistry, MBB College, Agartala, Tripura, July (20-21)- 2012 (PP).
12. **50<sup>th</sup> Annual Convention of Chemists hosted by Department of Chemistry, Panjab University, Chandigarh – 160 014, held during December 04 – 07, 2013, Sponsored by Royal Society of Chemistry, Cambridge, UK, Reliance Industries Limited, Mumbai, Co-Sponsored by DST, New Delhi, CSIR, New Delhi and UGC, New Delhi and Organised by Indian Chemical Society, 92, Acharya Prafulla Chandra Road, Kolkata – 700 009.**
13. **IUPAC 23<sup>rd</sup> International Conference on Chemistry Education (ICCE-2014) entitled ‘Research on Teaching and Learning in the Chemical Sciences’** will be held on July 13 – 18 2014, Hosted by the Toronto University, Toronto, Canada.  
**Paper Title :** *“Metabolic And Innovative Methodologies On The Prediction Of Bond-Order And Magnetic Properties Without M.O.T.”*- Accepted on 15<sup>th</sup> March-2014 **organized by ACS, NY, USA.**
14. **2014 Biennial Conference on Chemical Education - HOSTED BY GRAND VALLEY STATE UNIVERSITY**, August 3-7, 2014 sponsored by the ACS, NY, USA.  
**Paper Title:** *“Innovative and time economic methodology for the identification of aromatic and anti-aromatic organic compounds”* - Accepted on 01<sup>st</sup> April 2014.
15. **2014, 2<sup>nd</sup> International Conference on Global Trends in Pure & Applied Chemical Sciences (ICGTCS-2014), 3-4 October, 2014, Hong Kong, Organized by: ASIAN JOURNAL OF CHEMISTRY.**  
**Paper Title:** *“Synthesis and Characterization of mixed ligand complexes of cobalt(II) ion with some nitrogen and sulphur donor”* - Accepted on 5<sup>th</sup> May 2014.

## **EDITOR:**

‘WORLD JOURNAL OF CHEMICAL EDUCATION’, Science and Education Pub., USA.

(<http://www.sciepub.com/journal/WJCE/EditorialBoard>)

## **Reviewer Invitation From U. K., USA and India:-**

Invitation as a *Reviewer* received from:

1. **“INORGANIC CHEMISTRY COMMUNICATIONS”**, ELSEVIER – 1<sup>st</sup> Reviewer  
JOURNAL, USA, ISSN 1387-7003, Impact Factor 1.974 (2010), since 2010
2. **“JOURNAL OF CO - ORDINATION CHEMISTRY”** – TAYLOR & FRANCIS 1<sup>st</sup> Reviewer  
Publication, U.K., Print ISSN: 0095-8972 and Online ISSN: 1029-0389, Impact Factor  
1.932(2010), since 2010.
3. **‘Journal of Indian Chemical Society’**- A.P.C., Road, Kolkata, India, since 2013.
4. **‘QScience Connect’**, Qatar, Asia (Since-2013).

## **Fellowship & Membership of Professional Bodies:**

1. **American Chemical Society** (ACS) (Invited, USA)(06-12-2013-)
2. **‘Indian Chemical Society’**, 92, A.P.C. Road, Kolkata-700009 – **Senior Fellow / 7158 (2010 -)**.
3. **‘Indian Academy of Forensic Science’**, 30, Gorachand Road, Kolkata-700014 – **A-029 (Life Member) (2011-)** .
4. **‘Indian Science Congress Association’**, 14, Dr. Bireswari Guha Street, Kolkata – 700017, India - **L18176 (2011-) (Life Member)**.
5. **‘Tripura Chemical Society’**, Tripura, India. (Life Member)
6. **‘Tripura Govt. Officer’s Association’**, Tripura, India.
7. **‘Tripura College Teacher’s Association’**, Tripura, India.



## **Innovation of 16 Time Economic Teaching Methodologies and 36 new formulae in the Field of Chemical Education:**

1. **New Innovative Methods for prediction of hybridization State in a very short time.**
2. **New innovative methods for prediction of bond order of mono and atomic molecules, ions and also acid radicals in a very short time.**
3. **New innovative methods for determination of IUPAC nomenclature of spiro and bicyclo compounds in Organic Chemistry.**
4. **New innovative methods for determination of spin multiplicity, spin state and Magnetic properties of diatomic heteronuclear molecules or ions in a very short Interval of time.**
5. **New Innovative methods for prediction of Bond order of mono and diatomic molecules or ions having total number of (1-20)e<sup>-</sup>s in a very short time.**
6. **A rapid and innovative method for the identification of aromatic and anti-aromatic nature of organic compounds.**
7. **A rapid and innovative method for the easy prediction of Magnetic behavior of homo and hetero nuclear mono and diatomic molecules or ions without MOT.**
8. **Simultaneous Equations as a Tool in the Spectrophotometric Analysis of Two Non-interacting Substances in a Binary Mixture: Senior Undergraduate Physical and Physical-Organic Chemistry Laboratory Experiment.**
9. **New methods for prediction of Bond order of mono and diatomic homo and hetero nuclear molecules or ions with (1-20)e<sup>-</sup>s and Oxide based acid radicals - An innovative approach (Review article)**
10. **New Methods for the prediction of Magnetic Moment of homo and hetero nuclear mono and diatomic molecules or ions without MOT-A Rapid Innovative Approach**
11. **Simple Thinking Makes Chemistry Metabolic and Interesting-A Review Article**
12. **Rapid calculation of the number of  $\pi$ -bonds,  $\sigma$ -bonds, single and double bonds in aliphatic unsaturated open chain and cyclic olefinic hydrocarbons.**
13. **Rapid calculation of the number of  $\pi$ -bonds,  $\sigma$ -bonds, single and double bonds in aliphatic unsaturated open chain and cyclic olefinic hydrocarbons.**
14. **Innovative and Time Economic Pedagogical Views In Chemical Education – A review Article.**
15. **Association Behavior of Mono, Di and Tri-hydric Alcohols with Three Carbon Skeleton in a Straight Chain**
16. **Time Economic Innovative Methodology on the Prediction of Hybridization State of Heterocyclic Compounds**

## **Innovations of Methodologies Approved by the different academicians from Nine (09) Indian Universities And Four I I T's in India as follows:**

1. 'Jadavpur University', Kolkata, W.B., India. (FIVE STAR)
2. 'Calcutta University', Kolkata, W.B., India. (FIVE STAR)
3. 'Indian Institute of Science', Bangalore. (FIVE STAR)
4. 'Osmania University', Hyderabad. (FIVE STAR)
5. 'University of Hyderabad', Hyderabad (FIVE STAR)
6. 'North-Eastern Hill University (NEHU)', Shillong, Meghalaya, India. (FOUR STAR)
7. 'Kalyani University', West Bengal, India. (THREE STAR)
8. 'Burdwan University', Kolkata, W.B., India. (B<sup>++</sup>)
9. 'Tripura Central University', Tripura, India (C<sup>+</sup>)
10. 'I.I.T., Kanpur', India. (RANK-01)
11. 'I.I.T., Kharagpur', West Bengal, India (RANK-04)
12. 'I.I.T., Guwahati', Assam, India. (RANK-06)
13. I.I.T., Patna, Bihar, India.
14. Hyllum University, South Korea

## **Press Release on Innovation in National and State News Papers and Website with date:**

<b><u>Name of National/State Daily</u></b>	<b><u>Date</u></b>
1. <b><u>'The Telegraph'</u></b> , Calcutta, India	2 <sup>nd</sup> Sept-2012, 6 <sup>th</sup> March-2013, 8 <sup>th</sup> Dec-2013 and 14 <sup>th</sup> Feb-2014
2. <b><u>'The Times of India'</u></b> , Calcutta, India	29 <sup>th</sup> Sept-2012
3. <b><u>'United News of India'</u></b> (UNI), India	25 <sup>th</sup> Sept-2012
4. <b><u>'Daily Dasher Katha'</u></b> , Agartala, Tripura	3 <sup>rd</sup> Sept-2012, 6 <sup>th</sup> March-13, 8 <sup>th</sup> July-13
5. <b><u>'Tripura info.com'</u></b> , Agartala, Tripura	2 <sup>nd</sup> & 29 <sup>th</sup> Sept-12, March-13, 2 <sup>nd</sup> ,8 <sup>th</sup> 20 <sup>th</sup> July 13,5 <sup>th</sup> Aug-13,8 <sup>th</sup> Dec-13 25 <sup>th</sup> Dec-2013, 21 <sup>st</sup> Dec-13, 30 <sup>th</sup> Jan-2014, 14 <sup>th</sup> Feb and 23 <sup>rd</sup> July - 2014
6. <b><u>'Dainik Sambad'</u></b> , Agartala, Tripura	4 <sup>th</sup> Sept-2012 & 7 <sup>th</sup> March-2013, 27 <sup>th</sup> Dec-13
7. <b><u>'Ajker Fariad'</u></b> , Agartala, Tripura	4 <sup>th</sup> ,12 <sup>th</sup> Sept-12,6 <sup>th</sup> March-13, 8 <sup>th</sup> July-13
8. <b><u>'Ajkal Tripura'</u></b> , Agartala, Tripura	15 <sup>th</sup> Sept & 7 <sup>th</sup> Oct-2012 & 9 <sup>th</sup> March-2013
9. <b><u>'Tripura Times'</u></b> , Agartala, Tripura	6 <sup>th</sup> Oct-2012
10. <b><u>'Tripura Prabaha'</u></b> , Kailashahar, Tripura	15 <sup>th</sup> Sept-2012
11. <b><u>'ICAT-GOVT. OF TRIPURA'</u></b> , Tripura, India	4 <sup>th</sup> Oct-2012.
12. <b><u>'SANDAN'</u></b> , Agartala, Tripura, India	20 <sup>th</sup> March 2013
13. Tripura Today Newsletter, Govt. of Tripura, Tripura, India	Aug-2013, Vol(4), Issue-4
14. GENERAL KNOWLEDGE ESSENTIALS, LINK in blogspot.in : 20 <sup>th</sup> March-2014 <a href="http://gkessentials.blogspot.in/2014/03/dr-arjit-dass-14-methodologies-and-34.html">http://gkessentials.blogspot.in/2014/03/dr-arjit-dass-14-methodologies-and-34.html</a>	

## **Interview on Innovation at Local News/Chanel, Agartala, West Tripura and Akashbani, Kailashahar, Unakoti Tripura, India With Date:**

<b><u>Name of News Chanel</u></b>	<b><u>Date</u></b>
1. <b><u>'Prime Focus'</u></b> , Agartala, Tripura	05/11/2012
2. <b><u>'Head Lines Tripura'</u></b> , Agartala, Tripura	05/11/2012
3. <b><u>'Akashbani Kailashahar'</u></b> , Unakoti Tripura	08/11/2012
4. <b><u>'Tripura Today'</u></b> , A Govt. of Tripura News Letter, ICAT Dept., Agartala, Tripura.	20/08/2013
5. <b><u>News 365, Agartala, Tripura(w).</u></b>	09/12/2013

### Award Received:

1. Award received as 'PMLPMRF'- 1<sup>st</sup> Fellow from Tripura University, Tripura, India- Duration two(02) years (2002-2004).

### Honour received from Different Departments and Societies For Invention of New dimensions in Chemistry:

1. Invitation received from the prestigious 'American Chemical Society'(ESTD-135 yrs ago) on 29-11-2013 via postal mail along with their nomination letter bearing Fellow nominated no FN-12047213025 and Candidate Promo Code 1513JA601 to join the ACS network as a member. I joined to the ACS network as ACS member since 06-12-2013.
2. Felicitated with 'Certificate of Honour' by Honble Chief Minister, Govt. of Tripura, Mr.Manik Sarkar on behalf of tripurainfo.com @ Agartala Town hall, Agartala, Tripura (w), Tripura, India, dated 7<sup>th</sup> July-2013.
3. Felicitated with 'Certificate of Honour' by Honble Higher Education Minister, Govt. of Tripura, Mr. Anil Sarkar @ Govt. Degree College, Dharmanagar, North Tripura, Tripura, India, dated 27<sup>th</sup> Sept-2012.
4. Felicitated with 'Certificate of Honour' by Department of Chemistry, Govt. Degree College, Dharmanagar, North Tripura, Tripura, India, dated 12-Sept 2012.
5. Felicitated by TCTA Unit Cell, Department of Chemistry, Govt. Degree College, Dharmanagar, North Tripura, Tripura, India dated 25-Sept 2012.
6. Felicitated with 'Certificate of Honour' by 'Saktisangha Club', Kailashahar, Unakoti, Tripura, in the Inauguration day of 50<sup>th</sup> Durga Puja dated 19<sup>th</sup> – Oct 2012.
7. Felicitated with 'Certificate of Honour' by 'Eikatan Club', Kailashahar, Unakoti, Tripura, in the Inauguration day of Kali Puja dated 12<sup>th</sup> – Nov 2012.
6. 'SARAD SAMMAN-2013 IN EDUCATION'- dated 12-10-2013, Nabajagrata Club (Estd-1970), Kailashahar, Unakoti Tripura, Tripura, India.
7. Honour received from the Ramthakur College (NAAC Gr.-B), Agartala, Tripura (West), Tripura, India on behalf of the Principal and other faculty members of the College on dated 01-01-2014 on the innovation of 14 New teaching methodologies including 34 completely new formulae in the Chemistry World and also on the Invitation along with nomination received from the Prestigious American Chemical Society, USA to join the impressive ACS network.

### Inauguration of Social Event:

Inauguration of Kalipuja of Eikatan Club (A 100 years oldest Club) @ Kailashahar, Unakoti Tripura, on dated 12-Nov-2012.

**LIST OF PUBLICATION DURING Ph.D.:- (2002 – to present)**

**[29 research publications (with 23 citations from 2009, hi-index-03) in the journals of International and National repute and large impact factors]**

**Google Scholar Citation indices**

	All	Since 2009
<b>Citations</b>	<b>23</b>	<b>21</b>
<b>h-index</b>	<b>3</b>	<b>3</b>
<b>i10-index</b>	<b>0</b>	<b>0</b>

**Citations to my articles**



1. “Synthesis and characterization of ionic heterobimetallic complexes of Ni(II), Cu(II), Zn(II) and Cd(II) ions containing nitrogen and sulphur donors.”  
M.K.Singh, R.Laskar & A.Das, *Indian Journal of Chemistry*, 41A, Nov 2002, p 2282. (IF-0.67)
2. “Synthesis and structural characterization of mixed ligand complexes of nickel(II) with 1,1-dicyanoethylene-2,2-dithiolate and some nitrogen donors”  
Mahesh K.Singh, Arijit Das and Bijaya Paul, *Trans. Metal Chem*, Sept 2005, 30, p 655. (IF-1.7)
3. “Synthesis and structural characterization of mixed ligand complexes of nickel(II) with 1- cyano-1- carboethoxyethylene-2,2-dithiolate and some nitrogen donors”  
Mahesh K.Singh, Arijit Das and Bijaya Paul, *Trans Metal Chem*, Sept 2007, 32, p 732. (IF-1.997)
4. “Synthesis and characterization of mixed ligand complexes of Zn(II) and Cd(II) with 1,1-dicyanoethylene-2,2-dithiolate and some nitrogen donors”  
M. K.Singh, A. Das, B. Paul and R. Laskar, *J.Ind.Chem.Soc.*, May 2008, 85, p 485. (IF-0.384)
5. “Synthesis and characterization of mixed ligand complexes of Zn(II) and Cd(II) with 1- cyano-1-carboethoxyethylene-2,2-dithiolate and some nitrogen donors”  
M. K. Singh, A. Das, B. Paul and R. Laskar, *J. Ind. Chem. Soc.*, Feb 2009, 86,P-143.
6. “Synthesis and characterization of mixed ligand complexes of cobalt(II) ion with some nitrogen and sulphur donors”  
Mahesh K. Singh, Arijit Das and Bijaya Paul, *Journal of Co-ordination Chemistry*, 62(16), Aug 2009, P-2745. (IF-1.932)
7. “New Methods For Determination of Hybridisation State For Organic and Inorganic Molecules or ions in a Very Short Time ”  
Arijit Das, *Chemistry Today*, May 2011, 20(5), p25, New Delhi, (ISBN-2468).
8. “Synthesis, characterization and Luminescent properties of mixed ligand complexes of nickel (II) with 1,1-dicarboethoxy ethylene-2,2-dithiolate and some nitrogen donors”.  
M.K.Singh, A. Das, B.Paul, S.Sutradhar and S.Bhattacharjee, *J.Ind.Chem.Soc.*, 89, March 2012, P-421.

9. “New Methods For IUPAC Nomenclature of Bicyclo and Spiro Compounds”  
Arijit Das, *Chemistry Today*, April 2012, 21(4), p86-87, New Delhi, (ISBN –2468).
10. “Synthesis, Characterization, Luminescent properties and biological activity studies of mixed ligand complexes of nickel (II) with sulphur and some nitrogen donors”  
Mahesh K Singh, Sanjit Sutradhar, Bijaya Paul, D. Barman and Arijit Das\* *J. Ind. Chem. Soc.*, 90, Feb - 2013, p-163.
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## Reviewers

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**Director and Professor of chemistry**

**Indian Institute of Science Education and Research (IISER), Kolkata**

**Email: [rnm@iitk.ac.in](mailto:rnm@iitk.ac.in).**

**2. Prof. G. N. Mukherjee (Retd-)**

Sir Rashbehary Ghose Professor of Chemistry

Department of Chemistry

**University of Calcutta**, 92, A. P. C. Road, Kolkata 700 009

India. **Email: [mukherg@rediffmail.com](mailto:mukherg@rediffmail.com)**

**3. Prof. R. A. Lal,**

**(HEAD)**

Dept. of Chemistry,

**NEHU University**, Shillong. **Email: [ralal@rediffmail.com](mailto:ralal@rediffmail.com)**

**4. Prof. Arabinda Kumar Das (Retd), Ex-VC, Kalyani University**

Department of Chemistry

**The University of Burdwan**

Burdwan – 713104, West Bengal, INDIA.

**Email: [arabindakdas@rediffmail.com](mailto:arabindakdas@rediffmail.com)**

**5. Dr. P. K. Chattaraj, FASc, FNA, FNASc**

**J. C. Bose National Fellow**

**Professor, Department of Chemistry**

**Convener: Centre for Theoretical Studies, Kharagpur local chapter of INSA**

**Indian Institute of Technology Kharagpur**

Kharagpur – 721302. **Email: [pratim.chattaraj@gmail.com](mailto:pratim.chattaraj@gmail.com)**

**6. Prof. Samar K. Das, FASc.**

**School of Chemistry**

**University of Hyderabad**

Hyderabad – 500046, India. **Email: [samar439@gmail.com](mailto:samar439@gmail.com)**

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