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Nationality	INDIAN				
Educational Qualification					
Exam Passed	Year	Grade	Board/ University		
Matriculation	2001	1 st	West Bengal Board of Secondary Education, India		
Higher Secondary	2003	2 nd	West Bengal Council of Higher Education, India		
B.Sc (Chemistry)	2006	2 nd	University of North Bengal, India		
M.Sc	2008	1 st	University of North Bengal, India		
Ph.D	2014		University of North Bengal, India		
Title of the Thesis	PHYSICO-CHEMICAL STUDY OF SOME SCHIFF BASE COMPLEXES OF TRANSITION METALS IN PURE AND MIXED SOLVENT MEDIA				
Research Interests	Synthesis of Metal Organic Framework of transition and Post Transition elements and their application; Thermodynamic properties of metal complexes.				
Research Publications					
In Journal					
	<ol style="list-style-type: none"> 1. Synthesis, spectral properties, chemical descriptors and light harvesting studies of a new bioactive azo imidazole compound, <i>Journal of Molecular Structure</i>, 1199 (2020) 127035 2. Synthesis, spectral characterization, quantum mechanical analysis and light harvesting properties of two azoimidazole analogues, <i>Journal of Molecular Structure</i>, 1197 pp 45-55 ((2019) 3. 2-iodo benzoic acid: an unconventional precursor for the one pot multi-component synthesis of quinoxaline using organo Cu(II) catalyst <i>Tetrahedron Letters</i> 59 (41) pp-3657-3663 (2018) 4. [Bis(picolate-κ²N:O)Copper(II)] di(benzene1,3,5- tricarboxylic acid): Hydrothermal synthesis, structural characterization, magnetic properties and DFT study <i>Journal of Molecular Structure</i>, Volume 				

1165 pp 228-235 (2018)

5. Solution Thermodynamics of *N,N*-Ethylenebis-(salicylideneiminato)-diaquochromium(III) Chloride in Aqueous Dimethylsulphoxide *Journal of Solution Chemistry*, Volume 46 (3) pp 589–612 (2017).
6. Poly[μ_2 -diaquo(1,10-phenanthroline- $\kappa^2N^1:N^{10}$)(μ_2 -sulphato- $\kappa^2O:O'$)copper (II)]: Hydrothermal synthesis, Crystal structure and magnetic properties. *RSC Advances* volume 6 pp46030-46036 (2016)
7. Hydrogen bond interactions in the blends of 1,4-dioxane with some 1, 2- disubstituted ethanes at $T=(298.15, 308.15$ and $318.15)$ K *Fluid Phase Equilibria* Volume 404, , pp 131-140 (2015)
8. Cu (II) complexes of an ionic liquid-based Schiff base [1-{2-((2hydroxybenzylidene)amino)ethyl}-3-methylimidazolium]PF₆: Synthesis, characterization and biological activities. *J. Serb. Chem. Soc. Volume 80 (1) pp 35–43 (2015)*.
9. Synthesis, characterization and antibacterial activities of Zn(II) and Cd(II) complexes of a 3-amino-2-phenylquinazolin-4(3*H*)-one Schiff base. *J. Serb. Chem. Soc. Volume 79 (12) pp 1505–1513 (2014)*.
10. Solution Thermodynamics of iron(III)-N, N/-ethylene bis(salicylideneiminato)-chloride in binary mixtures of N, N-dimethylformamide and acetonitrile at $T = (298.15, 303.15, 308.15$ and $313.15)$ K. *J. Chem. Thermodynamics*, volume 75 pp 96-105 (2014).
11. Non-covalent interactions between {N, N/-bis[(2-pyridinyl)methylene]-1, 2-benzenediamine}-bis(nitrato)}Cu(II) with pyridoxine hydrochloride in methanol at $T=(298.15, 308.15$ and $318.15)$ K. *J. Chem. Thermodynamics*, volume 75 pp 136-144 (2014)
12. Spectrophotometric and conductometric study of the complexation of N-salicylidene-2-aminophenol with Cu²⁺ in methanol + 1,4-dioxane binary solutions. *J. Serb. Chem. Soc. Volume 79 (0) pp 1–24 (2014)*.
13. Partial molar volumes and viscosity *B*-coefficients for N, N/-ethylenebis(salicylideneiminato)-diaquochromium(III) chloride in methanolic solutions of 1- butyl- 2, 3-dimethylimidazolium tetrafluoroborate at $T = (298.15, 308.15$ and $318.15)$, *J. Chem. Thermodynamics* volume 68 pp 260–269 (2014).
14. Thermodynamics of the complexation between salicylaldehyde thiosemicarbazone with Cu²⁺ ion in methanol-1,4-dioxane binary

	<p>solutions, <i>J. Serb. Chem. Soc.</i>, doi:10.2298/JSC130730137B (2013).</p> <p>15. Thermophysical properties of binary mixtures of N, N-dimethylformamide with three cyclic ethers, <i>J. Serb. Chem. Soc.</i> volume 78 pp 1443-1460 (2013).</p> <p>16. Solution behavior of iron(III)-N, N/-ethylene-bis- (salicylideneiminato) chloride in aqueous methanol at 298.15, 303.15 and 313.15 K <i>J. Serb. Chem. Soc.</i> doi: 10.2298/JSC170413082B (2013).</p> <p>17. Effect of tetrabutylammonium bromide on solution behavior of salicylaldehyde anil zinc(II) in methanol at $T = (298.15, 308.15 \text{ and } 318.15) \text{ K}$, <i>J. Chem. Thermodynamics</i>, volume 67 pp 13-20 (2013).</p> <p>18. Partial molar volumes and viscosity B-coefficients of N, N/-Ethylenebis(salicylideneiminato)cobalt(II) in Binary Mixtures of 1,4-dioxane + methanol at $T = (298.15, 303.15, 308.15, \text{ and } 313.15) \text{ K}$, <i>J. Chem. Eng. Data</i>, volume 56 pp 3073-3082 (2011).</p> <p>19. Physicochemical properties of L-alanine in aqueous silver sulphate solutions at (298.15, 308.15, and 318.15) K, <i>Int. J. Thermophys</i> volume 32 pp 2062-2078 (2011).</p> <p>20. Apparent Molar Volumes and Viscosity B-coefficients of Caffeine in Aqueous Thorium Nitrate Solutions at $T = (298.15, 308.15, \text{ and } 318.15) \text{ K}$, <i>Journal of Chemical Thermodynamics (Elsevier)</i>, volume 42 pp 380-386 (2010).</p>
<p>Paper Presentations</p>	
<p>Seminar and workshop attended</p>	<ol style="list-style-type: none"> 1. Participated in the Zurich School of Crystallography-2019 at the University of Zurich, Switzerland from 16th to 27th June 2019. 2. National Workshop on ADVANCES IN INSTRUMENTAL TECHIQUES (NWAIT) organized by Department of Chemistry, Shri Shivaji Science College, Amravati (Maharashtra), India on October 14th -16th, 2010 as Delegate. 3. Sixth CRSI, National Symposium (Kolkata Chapter), organized by Department of Chemistry, University of North Bengal, Darjeeling, India on August 2, 2008 as Delegate. 4. National Seminar on Frontiers in Chemistry 2011 & Celebration of The International Year of Chemistry 2011 sponsored by University Grants Commission, New Delhi, India & University of North Bengal, Organized by Department of Chemistry, University of North Bengal, Darjeeling, India on March 14-16, 2011 as Delegate. 5. Science Academies' Lecture Workshop on Recent Trends In

	<p>Chemistry, organized by Department of Chemistry, University of North Bengal, Darjeeling, India on November 11-12, 2011 as Delegate.</p> <p>6. Science Academies' Lecture Workshop on Modern Trends In Chemistry and Chemistry Education, organized by Department of Chemistry, University of North Bengal, Darjeeling, India on November 22-23, 2012 as Delegate.</p> <p>7. 15th CRSI National Symposium in Chemistry, organized by Department of Chemistry, Faculty of Science, Banaras Hindu University, Varanasi, India on February 1-3, 2013 as Delegate.</p> <p>8. Workshop on Diversities and Frontiers in Chemistry, jointly organized by Department of Chemistry, Jadavpur University, Kolkata & Department of Chemistry, University of North Bengal, India on August 7-8, 2013 as delegate.</p>
Appreciation:	<p>Research Paper on "Apparent molar volumes and viscosity B coefficients of caffeine in aqueous thorium nitrate solutions at T= (298.15, 308.15, and 318.15) K" published in the Journal "Journal of Chemical Thermodynamics" (ELSEVIER), vol. 42, page 380-386, 2010) is appreciated by You Lu, MD, PhD, Executive Chair, EPS Anticancer Drugs 2011, the President of Global Medical Development Inc., Stockholm, Sweden.</p>
Research Experiences:	<p>Knowledge on FT-N.M.R (1D and 2D), FT-IR, UV-visible, AAS, fluorescence spectroscopy, TGA/DTA, DSC, Conductometry, SEM, TEM, single crystal X-ray diffraction, Powder X-ray Diffraction, SQUID Magnetometry.</p>