



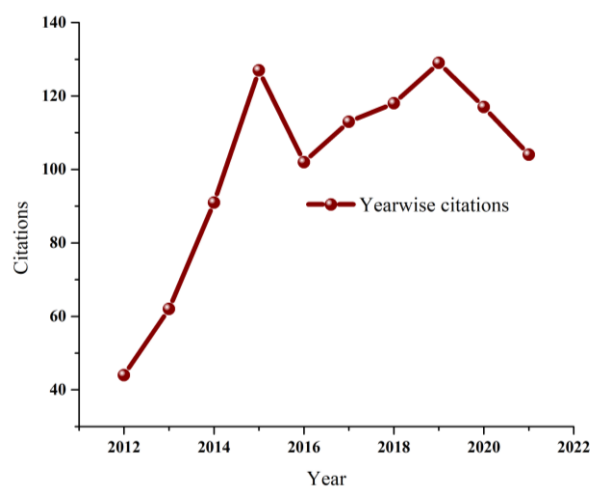
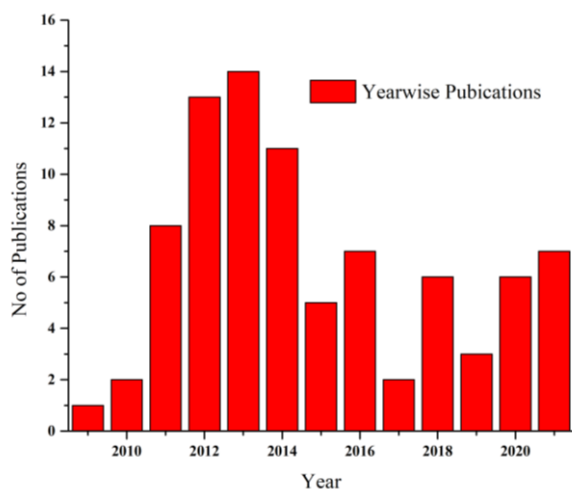
KAZI NAZRUL UNIVERSITY ASANSOL

Faculty Profile

1. Name (Block Letter): Dr RAJAT SAHA
2. Department: CHEMISTRY
3. Current Designation: Assistant Professor
4. Contact Number: 08116599474
5. Contact Mail (Personal and Institutional): rajatinorg1@gmail.com; rajat.saha@knu.ac.in
6. Address for Communication (Present): Department of Chemistry, Kazi Nazrul University
Kalla, Asansol-713340, West Bengal, India
7. Address for Communication (Permanent): Village + Post: Chanderghat, Dist: Nadia, Pin:
714460, West Bengal, India
8. Research Degree:

Degree	Name of the University	Date of Award
Ph D	Jadavpur University	25 th November, 2013

Publications: 68 Articles in Peer reviewed Journals (85 international and 3 national,)
Total Citations: 1014 *h*-Index: 19 *i*-10 index: 39



(Google scholar: <https://scholar.google.co.in/citations?user=dIK6tf0AAAAJ&hl=en>)

9. Published Papers in Journals:

S. No.	Paper Details	No. of Citations	Impact Factor (Publishing Journal)
1	Defect Enriched Hierarchical Iron Promoted Bi ₂ MoO ₆ Hollow Spheres as Efficient Electrocatalyst for Water Oxidation Chemical Engineering Journal, 2021, 131884 Sakila Khatun, Koji Shimizu, Soumen Singha, Rajat Saha, Satoshi Watanabe, Poulomi Roy*	0	13.273
2	<u>Sulphido bridged dinuclear quadruple bond cleavage product from the reaction between Re₂ (μ-O₂CCH₃)₄Cl₂ and dithiocarbamate: An experimental and theoretical study</u> Polyhedron, 2021, 115422 Suman Mallick, Purnananda Garu, Jagannath Chowdhury, Rajat Saha, Swarup Chattopadhyay*	0	2.88
3	Investigation of intermolecular interactions between [Ho(H ₂ O) ₈] ⁴⁺ based 3D metal-organic supramolecular host and bipyridyl guest through crystal structure and Hirshfeld surface analysis Journal of Coordination Chemistry, 2021, 1-12 M. Patra, S. K. Dubey, S. Singha, C. Rizzoli, S. Bhattacharjee, R. Saha*	0	1.60
4	Design of π-Conjugated Flexible Semiconductive 2D MOF and MOF Derived CuO Nano-spheres for Solvent Free C-X (S, O) Hetero-coupling Catalysis with Enhanced Conductivity Nano- Structures and Nano-Objects, 2021, 26, 100756 M. Patra, S. K. Dubey, B. Mandal, K. Gupta, A. Ghosh,	0	5.45

	S. Mandal, S. Hazra, A. K. Meikap, U. K. Roy, S. Bhattacharjee, R. Saha*		
5	Organozinc Hydrazides and Their Derivatives: Synthesis, Structural Diversity and Applications New J. Chem, 2021, 45 , 10160-10169 S Jana, R Saha	0	3.228
6	Photo-responsive Schottky Diode Behavior of a Donor-Acceptor Co-crystal with Violet Blue Light Emission CrystEngComm, 2021,23 ,3510-3523 S Singha, R Jana, R Mondal, P. P. Bag, P. P. Ray, C Rizzoli, N Pakhira, K Gupta, A Mallick, S Kumar and R Saha*	0	3.117
7	Synthesis, crystal structure and antibacterial activity of four mononuclear Schiff base complexes of copper (II) and nickel (II) Transition Metal Chemistry, 2021, 46(1), 9-16 S. Mandal, M. Layek, R. Saha, C. Rizzoli, D. Bandyopadhyay	0	1.40
8	Mononuclear Mn (III) complex with sterically constrained phenol-based ligand: Synthesis, structure and catecholase activity Journal of Molecular Structure, 2020, 1220,128723 B Mandal, A Halder, R Saha, D Mandal	0	2.88
9	Reactivity of Electrochemically Synthesised Nano Zinc Wire in Facile Reduction of Nitro and Azide Compounds Indian Journal of Chemistry-Section A (IJCA),2020, 59 (8), 1076-1083 UK Roy	0	0.50
10	Synergistic effect of various intermolecular interactions on self-assembly and optoelectronic behaviour in co-crystals/salts of tetrabromoterephthalic acid: a report on their structure, theoretical study and Hirshfeld surface	1	3.117

	analysis CrystEngComm,2020, 22, 8197-8207 S Singha, S Goswami, S.K.Dey, R Jana, P.P.Ray, I Saha, C Rizzoli, P.P.Bag, S Kumar, R Saha		
11	Selective Metal–Ligand Bond-Breaking Driven by Weak Intermolecular Interactions: From Metamagnetic Mn(III)-Monomer to Hexacyanoferrate(II)-Bridged Metamagnetic Mn ₂ Fe Trimer Inorg. Chem. 2020, 59, 8487–8497 S Goswami, S Singha, I Saha, A Chatterjee, S.K. Dey*, C J. G García*, A Frontera, S Kumar*, R Saha*	2	4.850
12	Homogeneous Electrochemical Reduction of CO ₂ to CO by a Cobalt Pyridine Thiolate Complex Inorganic chemistry,2020, 59 (8), 5292-5302 ME Ahmed, A Rana, R Saha, S Dey, A Dey	10	4.850
13	Mono and tri-nuclear cobalt (III) complexes with sterically constrained phenol based N ₂ O ₂ ligand: Synthesis, structure and catechol oxidase activity Polyhedron, 2020, 180, 114429 I Ali, B Mandal, R Saha, R Ghosh, M C Majee, D Mondal, P Mitra, D Mandal	1	2.88
14	Rhodium (III) supported amination reaction of a pendant naphthyl group: Structure, electrochemistry and theoretical interpretation Polyhedron, 2019, 171, 542-550 D Sardar, P Datta, R Saha, R Pallepogu, C Sinha	2	2.88
15	Sonochemically Synthesized Spin-Canted CuFe ₂ O ₄ Nanoparticles for Heterogeneous Green Catalytic Click Chemistry ACS Omega, 2019, 4(9), 13845-13852 B Mondal, M Kundu, SP Mandal, R Saha, UK Roy, A Roychowdhury	5	2.87

16	A bi-nuclear Cu (II)-complex for selective epoxidation of alkenes: Crystal structure, thermal, photoluminescence and cyclic voltammetry. Inorganic Chimica Acta, 2019, 486, 352-360 S Amanullah, P Saha, R Saha, A Dey	4	2.047
17	Synthetic Iron Porphyrins for Probing the Differences in the Electronic Structures of Heme a ₃ , Heme d, and Heme d ₁ Inorganic chemistry, 2018, 58(1), 152-164 S Amanullah, P Saha, R Saha, A Dey	8	4.850
18	Synthesis, crystal structure, and antimicrobial activity of a series of cobalt (III) Schiff base complexes, Journal of Coordination Chemistry, 2018, 71(24), 4180-4193 M Ghosh, S Mandal, M Fleck, R Saha, C Rizzoli, D Bandyopadhyay	2	1.60
19	Cobalt (II), nickel (II) and copper (II) complexes of N-((2-pyridyl) methylidene)-6-coumarin: Characterization, DNA interaction, catecholase activity and theoretical interpretation Inorganica Chimica Acta, 2018, 482, 659-668 S Roy, SK Sarkar, R Saha, TK Mondal, C Sinha	3	2.047
20	A MOF to CuO Nanospheres of Uniform Morphology for Synthesis of α -Aminonitriles under Solvent-Free Conditions along with Crystal Structure of the MOF Cryst. Growth Des, 2018, 18(1), 189-199 S. Singha, A. Saha, S. Goswami, S. K. Dey, S. Payra, S. Banerjee, S. Kumar, R. Saha	8	4.183
21	Outer Surface Hydrophobic Shielding Strategy to Enhance the Chemical Stability of Metal-Organic Angewandte Chemie International Edition, 2018, 14, 1053-1057 S. K. Ghosh, S Mollick, S Mukherjee, D Kim, Q	28	15.53

	Zhiwei, A. V. Desai, R Saha, Y. D. More, J. Jiang, M Soo La		
22	Structure, spectra and electrical conductivity of copper (I) and silver (I) phos phino bridging mixed ligand complexes with coumarinyl Schiff base. Inorganica Chimica Acta, 2018, 469, 523-535 S Roy ,TK Mondal ,A Layek,R Saha , C Sinha	12	2.047
23	Synthesis, crystal structure and antibacterial activity of azido complexes of cobalt(III) containing heteroaromatic Schiff bases Inorg. Chim. Acta, 2017, 461, 174-182 D.Bandyopadhyay, M. Layek, M. Fleck, R. Saha, C. Rizzoli	22	2.047
24	In situ reduction of Cu(II) forming a double-stranded dinuclear copper(I) helicate of a bis azino-pyridyl ligand Inorg. Chim. Acta, 2017, 455, 235-240 R. Chandra, A. Datta, A. Manna, R. Saha, G. K. Patra	2	2.047
25	A magnesium-based bifunctional MOF: Studies on proton conductivity, gas and water adsorption Inorg. Chim. Acta, 2016, 453, 321-329 S. Singha, S. K. Maity, S. Biswas, R. Saha, S. Kumar	6	2.047
26	Synthesis, structure, photo-physical properties and catalytic activities of Zn (II), Cd (II) and Hg (II) complexes of an azinopyridyl ligand Inorg. Chim. Acta, 2016, 448, 70-77 J. Mondal, A. Dutta, P. K. Pal, R. Saha, P. Maji, G. K. Patra	10	2.047
27	Predesigned Synthesis of Dinuclear to Unusual Hexanuclear to 1D Coordination Polymer of Cu(I)-halides and Their and Photophysical Properties Inorg. Chim. Acta, 2016, 447, 77-86 G. K Patra, P. K. Pal, J. Mondal, A. Ghorai, A. Mukherjee, R. Saha and H. K. Fun	6	2.047

28	Synthesis, crystal structure, spectral characterization and photoluminescence property of three Cd (II) complexes with a pyrazole based schiff-base ligand Journal of Molecular Structure, 2016, 1110, 11-18 S Mandal, R Saha, M Saha, R Pradhan, RJ Butcher, NC Saha	15	2.85
29	Synthesis, Structure, Photophysical and Catalytic Properties of CuI-Iodide Complexes of di-imine Ligands Journal of Molecular Structure, 2016, 1108, 315-324 A. Ghorai, J. Mondal, S. K. Singh, R. Saha and G. K. Patra	7	2.85
30	Selective picomolar level fluorometric sensing of the Cr(VI)-oxoanion in a water medium by a novel metal-organic complex RSC Adv., 2016, 6, 61966-61973 R. K. Mondal, S. Dhibar, P. Mukherjee, A. P. Chattopadhyay, R. Saha and B. Dey	4	3.36
31	A highly sensitive reversible fluorescent-colorimetric azino bis-Schiff base sensor for rapid detection of Pb ²⁺ in aqueous media Anal. Methods, 2016, 8(9), 2032 A. Ghorai, J. Mondal, S. Bhattacharya, R. Saha and G. K. Patra	24	2.596
32	A new multicomponent salt of imidazole and tetrabromoterephthalic acid: Structural, optical, thermal, electrical transport properties and antibacterial activity along with Hirshfeld surface analysis. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2016, 144, 43-52 S. K. Dey, R. Saha, S. Singha, S. Biswas, A. Layek, S. Middya, P. P. Ray, D. Bandhyopadhyay, S. Kumar	10	4.098
33	Synthesis, structure, redox properties and theoretical calculation of copper (I)-triphenylphosphine halide	0	2.88

	complexes of arylazopyridines, and their reaction with H ₂ O ₂ Polyhedron, 2015, 87, 63-70 G Saha, C Patra, P Datta, KK Sarkar, R Saha, CJ Chen, C Sinha		
34	Synthesis, crystal structure and antibacterial activities of mixed ligand copper(II) and cobalt(II) complexes of a NNS Schiff base Polyhedron, 2015, 85, 312-319 M. Ghosh, M. Layek, M. Fleck, R. Saha, D. Bandyopadhyay	32	2.88
35	Conformation-selective coordination-driven self-assembly of a ditopic donor with Pd II acceptors Dalton Transactions, 2015, 44 (47), 20493-20501 P Howlader, S Mukherjee, R Saha, PS Mukherjee	10	4.052
36	Ionophoric azoaromatics: Synthesis, isolation and complex formation with alkali metal ions Inorganica Chimica Acta , 2015, 424, 260-266 P Ghosh, SK Roy, D Ghoshal, R Saha, G Mostafa, S Goswami	0	2.047
37	A dynamic metal–organic supramolecular host based on weak p-stacking interactions incorporating 2D water-chloride-methanolic supramolecular sheet Inorg. Chim. Acta, 2014, 423, 123–132 R. Saha, S. Goswami, S. Biswas, I. M. Steele, K. Dey, A. D. Jana, S. Kumar	6	2.047
38	Palladium(II) and platinum(II) complexes of N-{(2-pyridyl)methylidene}-6-coumarin and N-{(2-hydroxy)benzylidene}-6-coumarin Inorg. Chim. Acta, 2014, 423, 52–61 S. Roy, R. Saha, T. K. Mondal, C. Sinha	5	2.047
39	Synthesis, crystal structure, and antibacterial activity of two new mononuclear nickel(II) complexes of a NNS	7	2.047

	<p>Schiff base</p> <p>Journal of Coordination Chemistry, 2014, 67(20), 3371-3379</p> <p>M. Layek, M. Ghosh, M. Fleck, R. Saha, D. Bandyopadhyay</p>		
40	<p>Thermally induced single crystal to single crystal transformation leading to polymorphism</p> <p>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2014, 130, 526–533</p> <p>R. Saha, S. Biswas, S. K. Dey, A. Sen, M. Roy, I. M. Steele, K. Dey, A. Ghosh, S. Kumar</p>	2	4.098
41	<p>Reactions of the dirhenium(III) complex $\text{Re}_2(\mu - \text{O}_2\text{CCH}_3)_4\text{Cl}_2$ with triphenylguanidine: Dirhenium paddlewheel complex versus the mononuclear quadruple bond cleavage product</p> <p>Polyhedron, 2014, 71, 104–110</p> <p>S. Mallick, M. K. Ghosh, R. Saha, S. Chattopadhyay</p>	4	2.88
42	<p>An unusual μ-1,2,3-squarato-bridged two dimensional coordination polymer: Crystal structure, thermal, photoluminescence and magnetic studies</p> <p>Inorganica Chimica Acta, 2014, 410, 111-117</p> <p>S Goswami, R Saha, IM Steele, P Dasgupta, A Poddar, S Kumar</p>	6	2.047
43	<p>Structure, fluorescence, redox properties and theoretical interpretation of heteroleptic copper(I) and silver(I) complexes of N-[(2-pyridyl)methyliden]-6-coumarin and triphenylphosphine</p> <p>Polyhedron, 2014, 410, 202-213</p> <p>S. Roy, P. Gayen, R. Saha, T. K. Mondal, C. Sinha</p>	14	2.88
44	<p>Synthesis, characterization, X-ray crystallography and antimicrobial activities of new Co(III) and Cu(II) complexes with a pyrazole based Schiff base ligand</p> <p>Polyhedron, 2014, 68, 122–130</p>	22	2.88

	N. C. Saha,* S. Mandal, M. Das, N. Khatun, D. Mitra,A. Samanta, A. M.Z. Slawin, R. J. Butcher, R. Saha		
45	Tetrabromoterephthalic Acid in Designing Co-crystals and Salts: Modification of Optical Properties and Schottky Barrier Effect Cryst. Growth Des, 2014, 14, 207–221 S. K. Dey, R. Saha,* S. Biswas, A. Layek, S. Middy, I. M. Steele, M. Fleck,P. P. Ray, S. Kumar*	18	4.183
46	A pharmaceutical cocrystal with potential anticancer activity RSC Adv., 2014, 4(90), 49070–49078 R. Saha, S. Sengupta, S. K. Dey, I. M. Steele, A. Bhattacharyya, S. Biswas, S. Kumar	10	3.36
47	Synthesis, crystal structure, DNA interaction and in vitro anticancer activity of a Cu(II) complex of purpurin: dual poison for human DNA topoisomerase I and II RSC Adv., 2014, 4(103), 59344–59357 P. Das, C. K. Jain, S. K. Dey, R. Saha, A. D. Chowdhury, S. Roychoudhury, S. Kumar, H. K. Majumder, S. Das	35	3.36
48	Simultaneous Presence of Both Open Metal Sites and Free Functional Organic Sites in a Non-centrosymmetric Dynamic MOF with Bimodal Catalytic and Sensing Activities Chemistry A European Journal, 2013, 19(49), 16607-16614 R. Saha, B. Joarder, A. S. Roy, S. M. Islam, S. Kumar	44	5.23
49	Synthesis, crystal structure and spectroscopic studies of a cobalt(III) Schiff base complex and its use as a heterogeneous catalyst for the oxidation reaction under mild condition	20	3.68

	Journal of Molecular Catalysis A: Chemical, 2013, 380, 94-103 S. M. Islam,* A. S. Roy, S. Dalapati, R. Saha, P. Mondal, K. Ghosh, S. Chatterjee, K. Sarkar, N. Guchchait, P. Mitra		
50	Synthetic aspects, crystal structures and antibacterial activities of manganese (III) and cobalt (III) complexes containing a tetradentate Schiff base Transition Metal Chemistry, 2013, 38 (7), 715-724 M Fleck, M Layek, R Saha, D Bandyopadhyay	22	1.336
51	Co-crystals of 2, 3-dimethylquinoxaline (DMQ) and dimethylglyoxime (DMG) in 1: 1 and 1: 2 ratios and hirshfeld surface analysis Journal of Chemical Crystallography, 2013, 43 (9), 493-501 S Biswas, R Saha, IM Steele, S Kumar, K Dey	9	0.56
52	dependent magnetism J. Indian Chem. Soc, 2013, 90, 1043-1052 R Saha, A Roychowdhury, IM Steele, S Biswas, S Kumar	1	0.50
53	1-Alkyl-2-{{(O-Thioalkyl)Phenylazo}Imidazole Complexes of PbII and Their Photochromic Property Zeitschrift für anorganische und allgemeine Chemie, 2013, 639 (10), 1861-1870 S Saha Halder, S Roy, T Kumar Mondal, R Saha, C Sinha	1	1.49
54	A luminescent-water soluble inorganic co-crystal for a selective pico-molar range arsenic(iii) sensor in water medium Chemical Communications, 2013, 49, 7064-7066 R Saha, P Mukherjee, B Dey	47	6.22
55	The C–H activation of pendant naphthyl group of 1-alkyl-2-(naphthyl- α -azo) imidazole by rhodium (III).	10	2.304

	Spectral, structural characterization and, DFT computation Journal of Organometallic Chemistry, 2013, 732, 109-115 D Sardar, P Datta, R Saha, P Raghavaiah, C Sinha		
56	Transformation of a Mother Crystal to a Daughter Crystal through Amorphous Phase: De-assembly of Coordination Helices upon Heating and Re-assembly through Aquation Crystal Growth and Design, 2013, 13(5), 2135-2142 R. Saha, S. K. Dey, S. Biswas, A. D. Jana, S. Kumar	14	4.183
57	Intercalated Iodobismuthate in the Layers of Azoimidazoles Structure, Photochromism and DFT Computation Polyhedron, 2013, 54, 147-157 D. Mallick, K. K. Sarker, R. Saha, T. K. Mondal, C. Sinha	19	2.88
58	Structure, photophysics, electrochemistry and DFT calculations of [RuH(CO)(PPh ₃) ₂ (coumarinyl-azoimidazole)] Polyhedron, 2013, 53, 193-201 P. Datta, D. Sardar, R. Saha, T. K. Mondal, C. Sinha	7	2.88
59	2D Ferromagnetic sheet of antiferromagnetic trimeric metal cores Polyhedron, 2013, 53, 258-263 S Biswas, R Saha, IM Steele, K Dey, S Kumar	4	2.88
60	Stabilization of 2D Water Sheet in a Supramolecular Metal-Organic Schiff Base Complex: Reversible Structural Transformation upon Dehydration-Rehydration Inorganica Chimica Acta, 2013, 399, 200-207 R. Saha, S. Biswas, I. M. Steele, K. Dey, A. D. Jana, S. Kumar	4	2.047

61	Synthesis and crystal structure of a group of phenoxo-bridged heterodinuclear [NiII HgII] Schiff base complexes Polyhedron, 2013, 49(1), 93-99 D. Karmakar, M. Fleck, R. Saha, M. Layek, S. Kumar, D. Bandyopadhyay	9	2.88
62	An efficient one-pot organocatalytic synthesis of 9-(1H-indol-3-yl)-xanthen-4-(9H)-ones under mild aqueous micellar conditions Tetrahedron Letters, 2012, 53 (52), 7067-7071 NC Ganguly, S Roy, P Mondal, R Saha	44	2.27
63	A multifunctional porous organic Schottky barrier diode Angewandte Chemie, 2012, 124 (50), 12702-12705 S Dalapati, R Saha, S Jana, AK Patra, A Bhaumik, S Kumar, N Guchhait	36	15.336
64	Reusable Amine-Based Structural Motifs for Green House Gas (CO ₂) Fixation Organic letters, 2012, 14 (13), 3244-3247 S Dalapati, S Jana, R Saha, MA Alam, N Guchhait	13	6.09
65	Synthesis, characterization and pseudopolymorphism of a phenoxo-bridged binuclear manganese (III) Schiff base complex Inorganica Chimica Acta, 2012, 387, 1-7 S Mandal, R Saha, B Mahanti, M Fleck, D Bandyopadhyay	15	2.047
66	Copper (II)–Mercury (II) Heterometallic Complexes Derived from a Salen-Type Ligand: A New Coordination Mode of the Old Schiff Base Ligand Organometallics, 2012, 31(10), 3844-3850 S Biswas, R Saha, A Ghosh	34	3.862
67	Synthetic aspects, crystal structure and antibacterial activity of two new Schiff base cobalt (III) complexes Polyhedron, 2012, 34 (1), 157-162	38	2.88

	M Fleck, D Karmakar, M Ghosh, A Ghosh, R Saha, D Bandyopadhyay		
68	Reusable anion detection kit: An aqueous medium anion detection Sensors and Actuators B: Chemical, 2012, 162 (1), 57-62 S Dalapati, MA Alam, S Jana, R Saha, N Guchhait	17	7.460
69	A Molecular Lock and Key:" Unlocked-Locked" Conformational Switching of a Receptor by Anions ChemPlusChem, 2012, 77 (2), 93 S Dalapati, MA Alam, S Jana, R Saha, S Biswas, N Guchhait	8	2.75
70	Synthesis and crystal structure of three new copper (II) complexes with a tridentate amine and its Schiff bases Polyhedron, 2012, 31 (1), 82-88 S Sain, R Saha, G Mostafa, M Fleck, D Bandyopadhyay	19	2.88
71	Synthesis and characterisation of arylazoimidazolium iodide and tetraiodocadmium (II) compounds NISCAIR-CSIR, India, 2012 D Mallick, R Saha, KK Sarker, P Datta, C Sinha	0	0.50
72	An efficient size-selective anion binding cleft-shaped receptor: A novel [F ₂ (H ₂ O) ₃] ²⁻ cluster with pseudo-encapsulated F ⁻ ion CrystEngComm, 2012, 14 (5), 1527-1530 S Dalapati, MA Alam, R Saha, S Jana, N Guchhait	14	3.117
73	Synthesis, structural, magnetic, DFT calculations and CShM studies of three new pentanuclear Mn (II) clusters Dalton Transactions, 2012, 41 (2), 413-423 TN Mandal, S Roy, S Konar, A Jana, K Das, S Ray, S Gupta, R Saha, MS El Fallah, J Tercero, RJ Butcher, S Chatterjee, SK Kar	8	4.052

74	{[Co ₂ (ndc) ₂ (bpee) ₂](bpee)}: a 3D multifunctional MOF CrystEngComm, 2012 14 (15), 4980-4988 R Saha, S Kumar	19	3.117
75	Synthesis, spectral characterization and single crystal X-ray diffraction study of arylazoimidazolium tetraiodobismuthate(III) compounds Journal of the Indian Chemical Society, 2011, 88(2),1817-1825 D. Mallick, K. K. Sarker, R. Saha, C. Sinha	0	0.50
76	A 1D Cu(II) coordination polymer exhibiting ferromagnetic interactions and a mononuclear Cu(II) complex of substituted pyrazole carboxylic acids: Synthesis, characterization and crystal structure Polyhedron, 2011, 30(9), 1571–1578 T. N. Mandal, S. Roy, S. Gupta, K. Das, R. Saha, G. Mostafa, R. J. Butcher, C-M. Liu, S. K. Kar	3	2.88
77	Planer tetrameric metal cluster formation at room temperature induced by $\pi \dots \pi$ interactions: 3D supramolecular host containing 1D channel filled with solvent methanol Inorg Chim Acta, 2011, 368(1), 216-222 S. Biswas, R. Saha, I. M. Steele and G. Mostafa	12	2.047
78	Synthesis structure photochromism and DFT calculations of copper (I) triphenylphosphine halide complexes of thioalkylazoimidazoles Polyhedron, 2011, 30(4), 614-623 G. Saha, P. Dutta, K. K Sarkar, R. Saha, G. Mostafa and C. Sinha	22	2.88
79	pH-Triggered construction of NLO active CMOFs: change in supramolecular assembly, water clusters, helical architectures and their properties Cryst Eng Comm, 2011, 13(3), 1018-1028	33	3.117

	R. Saha, S. Biswas and G. Mostafa		
80	Self assembled tetranuclear Cu ₄ (II), Ni ₄ (II) [2 × 2] square grids and a dicopper(II) complex of heterocycle based polytopic ligands - Magnetic studies Dalton Transactions, 2011, 40(44), 11866-11875 T. N. Mandal, S. Roy, S. Konar, A. Jana, S. Ray, K. Das, R. Saha, M. S. El Fallah, R. J. Butcher, S. Chatterjee and S. K. Kar	21	4.052
81	Two unusual mixed-valent trinuclear Cu ^{II} 2Cu ^I complexes containing copper (I) tribromide dianion as bridging ligand: Identification of an unprecedented doubly hydrogen-bonded water dimer CrystEngComm, 2011, 13(17), 5342-5347 A. Biswas, R. Saha and A. Ghosh	17	3.117
82	A Supramolecular spin Crossover Fe(III) Complex and its Cr(III) Isomer: Stabilization of Water-Chloride within Supramolecular Host Dalton Transactions, 2013, 40(13), 3166–3175 R. Saha, S. Biswas, I. M. Steele, K. Dey and G. Mostafa	21	4.052
83	Synthesis, crystal structure and characterization of a new mixed ligand cationic-anionic nickel (II) complex containing 1, 4-diazepane Journal of Molecular Structure, 2010, 984 (1-3), 350-353 S Sain, R Saha, G Pilet, D Bandyopadhyay	4	2.85
84	Acyclic water pentamer induces novel supramolecular ribbed sheet: Cooperativity and competitiveness of weak and covalent forces? Journal of Molecular Structure, 2010, 966 (1-3), 64-68 AD Jana, R Saha, G Mostafa	3	2.85
85	Role of weak interactions in controlling the topology of coordination polymeric chains in [Pt(CN) ₄] ²⁻ bridged	17	2.88

	<p>Cu(II) complexes: Syntheses, crystal structure and magnetic studies</p> <p>Polyhedron, 2009, 28 (14), 3065-3077</p> <p>AD Jana, R Saha, AK Ghosh, S Manna, J Ribas, N Ray Chaudhuri, G Mostafa</p>		
--	---	--	--

10. Articles/Chapters Published in Edited Volume: **NA**

Sl. No	Name of Article/chapter	Name of Edited Volume, Editor and Publisher	ISBN No	No of Co-author	Whether you are the main author	Date of Publication

11. Full Papers in Conference Proceedings: **NA**

Sl. No	Title with Page No	Details of Conference Publication	ISSN/ISBN No	No of Co-author	Whether you are the main author	Date of Publication
1.						
2.						
3.						
4.						
5.						

12. Published Books or Edited Volume: **NA**

Sl. No.	Title	Book or Edited Volume	Publisher & ISBN No. (I. International II. National III. Regional)	Whether Peer Reviewed	No of Co-author/s	Whether you are the main author	Date of Publication
2							

13. Papers Presented in Conferences/Seminars/Workshops/ Symposia:

Sl. No	Title of the Paper Presented	Title of the Conference/Seminar/Symposia	Organising Authority	Whether International/National/State/Regional/University/College Level	Date of presenting the Paper
1					
2					
3					
4					
5					

14. Organising Seminar/Conference/Symposia:

Sl. No	Whether you are Convenor/Co-convenor	Theme of the Conference/Seminar/Symposia	Whether International/National/Regional/State/University Level	Funding Authority	Date of the Conference/Seminar/Symposia
1	Convenor	Birth anniversary of Sir A P C Ray	National	KNU	2 nd August, 2020
2	Convenor	International Webinar	International	KNU	3-4 th June, 2020

15. Invited Lectures/Chairing the Session or Presentation for Conferences/Seminar/Symposia etc:

Sl. No	Title of the Lecture/Academic Session	Title of the Conference/Seminar	Organizing Authority	Whether International/National/State/Regional/University/College Level	Date of Conference/Seminar/Symposia

16. Ongoing Projects/Consultancies:

Sl. No	Title	Agency	Period	Grant/Amount Mobilized (Rs.)

1	Porphyrin based Metal-organic Frameworks for the Efficient Conversion of CO ₂ to Value Added Chemicals	SERB	2018	18.30 lacs
2	Metal organic frameworks and covalent organic frameworks for reduction of CO ₂	STRIDE-UGC, KNU	2021	3.80 Lacs

17. Completed Projects/Consultancies: **NA**

Sl. No	Title	Agency	Period	Grant/Amount Mobilized (Rs..)

18. Received Research Fellowship/ Awards:

Sl. No	Title	Funding Authority	Period	Grant/Amount Mobilized (Rs..)
1	Postdoctoral Fellowship	Science Foundation of Ireland	2014-2015	36000 Euro per annum
2	UGC Kothari	UGC, India	2014	Not availed
3	INDO US Postdoctoral Fellowship	SERB, India	2017	Not availed
4	UGC Faculty Recharge Programme	UGC	2017	Not availed

19. Academic Staff College Organised Orientation/ Refresher Courses Attended: **NA**

Name of the Courses	Place	Duration From	Sponsoring Authority

20. Training Courses, Teaching-Learning-Evaluation Technology Programmes, Faculty Development Programme: **NA**

Sl. No	Programme/Course	Duration	Organising Authority	Period

21. Research Guidance:

Sl. No	Name of the Research Student	Title of the Thesis/Dissertation	Date of Thesis Submission	Date of Degree Awarded
1.	Manas Layek	<i>Synthesis and Characterization of Schiff base complexes of Transition Metal</i>	25 th November, 2020	11 th Feb, 2021
2	Biplab Biswas		Ongoing	Ongoing
3	Maxcimi lan Patra		Ongoing	Ongoing
4	Soumen Kumar Dubey		Ongoing	Ongoing

22. Any other Information: **NA**