

1. Details of Publications (Journals/Proceedings)

S. no	TITLE OF THE PAPER	Name of the Journal/Conference proceedings	Type of Journal National/International/State	Whether Peer Reviewed	Whether UGC Listed	Indexing	H Index Factor of Journal/Author	No. of Authors with names	Whether 1 st /correspondent /principal	Affiliation At the time of publishing	Date of Publication	No. of Citations Excluding Self	Publisher	ISSN/ Volume no	Impact Factor (if any)	Source of impact Factor
1.	Strength and sorption capacity modulation of carboxymethylcellulose hydrogels in presence of ester-bonded Gemini surfactants	Journal of Molecular Liquids	International	Peer reviewed	yes	yes	82	Aabid H. Shalla Tauseef A. Rangreez, Masood Ah. Rizvi, Zahid Yaseen, Kabir-ud-din	1 st	IUST	JULY 2017	00	Elsevier	1873-3166/238	2.85	Thomson Reuters
2.	Interaction between amphiphilic antidepressant drug nortryptiline hydrochloride and conventional cationic surfactants:A physicochemical study	Journal of Molecular Liquids	International	Yes	Yes	Thomson Reuters	82	Ummer Farooq , Anwar Ali , Rajan Patel Nisar Ahmad Malik*	Corresponding Author	IUST	09 March 2017	12	Elsevier	0167-7332	4.561	Thomson Reuters
3.	Self-aggregation of ionic liquid-cationic surfactant mixed micelles in water and in diethylene glycol–water mixtures: Conductometric, tensiometric, and spectroscopic studies	Journal of Molecular Liquids	International	Yes	Yes	Thomson Reuters	82	Ummer Farooq , Anwar Ali , Rajan Patel Nisar Ahmad Malik*	Corresponding Author	IUST	31 March 2019	13	Elsevier	0167-7332	4.561	Thomson Reuters
4.	Interaction, thermodynamic, and solubilisation study of amino acid-tyrosine in aqueous anionic and cationic amphiphiles: electrical conductance and spectroscopic studies	PHYSICS AND CHEMISTRY OF LIQUIDS,	International	Yes	Yes	Thomson Reuters	35	Nisar Ahmad Malik and Anwar Alib	1 st and Corresponding Author	IUST	05 February 2017	01	Taylor and Francis	0031-9104	1.526	Thomson Reuters

Details of Publications (Journals/Proceedings)

S.no	Department	Name of the Faculty	Title of the paper	Name of the journal/conference proceedings	Volume No	No. of Citations	Whether Peer reviewed/UGC listed	Date of Publication	Publisher	ISSN	H. Index	impact factor
01	Chemistry	Aabid H. Shalla	Strength and sorption capacity modulation of carboxymethylcellulose hydrogels in presence of ester-bonded Gemini surfactants.	Journal of Molecular Liquids	238	04	Peer reviewed	July 2017	Elsevier	1873-3166	82	2.85
02	Chemistry	Aabid H. Shalla	Abiotic Fluorescent Receptors for Detection Mechanistic and Sensing Aspects	, Biomarkers Journal, DOI: 10.21767/2472-1646.100036...		00	Peer reviewed	December 14, 2017	iMedPub	2472-1646	05	2.85
03	Chemistry	Aabid H. Shalla	Free –NH ₂ based Chemo sensors for Fluoride anion Recognition: A Computational Study and its correlation with Experimental.	Journal of current chemical and pharmaceutical sciences.7 (2), 2017	7	00	Peer reviewed	December 29, 2017	Trade Science Inc	2277-2871	Not Matched	0.3
04	Chemistry	Dr. Jan Mohammad Mir	Synthesis, characterization and DFT aspects of some oxovanadium (IV) and manganese(II) complexes involving dehydroacetic acid and β -diketones	J. Coord. Chem.	71	10	Peer review/UGC listed	18-01-2018	Taylor and Francis	0095-8972	45	1.79
05	Chemistry	Dr. Jan Mohammad Mir	Experimental-DFT interface of hydrogen bonding description of 1: 10 methanol-water solution	J. Molecular liquids	247	14	Peer review/UGC listed	1-12-2017	Elsevier	0167-7322	82	1.79
06	Chemistry	Dr. Muzzaffar Ahmad Mir	Studies on the synthesis and characterization of polyaniline-zeolite LTL nanostructures and their role in carbon monoxide sensing	Journal of Environmental Chemical Engineering	6	04	Yes	Accepted 13 January 2018	Elsiever	2213-3437	60	1.385
07	Chemistry	Nisar Ahmad Malik	Self-aggregation of ionic liquid-cationic surfactant mixed micelles in water and in diethylene glycol–water mixtures: Conductometric, tensiometric, and spectroscopic	Journal of Molecular Liquids	234	20	yes	2017	Elsevier	0167-7322	82	4.513

			studies									
08	Chemistry	Dr.Sheikh Abdul Majid	Synthesis of Diphenylmethane and its Derivatives Over Ion Exchange Forms of MCM-22 as Catalyst,	Journal of Current Chemical and Pharmaceutical	Vol 7	00	yes	2017	Trade Science Inc	2277-2871	Not Matched	2.987
09	Chemistry	Dr.Sheikh Abdul Majid	Studies on the synthesis and characterization of Polyaniline-zeolite nanostructures and their role in carbon monoxide sensing,	Journal of Environmental Chemical Engineering	Volume 6, Issue 1	00	yes	February 2018	Elsevier	2213-3437	60	1.385
10	Department of Chemistry	Muzaffar Ahmad Bhat	Synthesis, spectral characterization, DFT studies and biological activity of novel Ligand 1-(2-cyclohexyl thioethyl) piperidine and its complexes with group 12 metal chlorides.	Applied Organometallic Chemistry	DOI: 10.1002/aoc.4329/2018	03	Yes	March	Wiley Online Library	1099-0739	66	3.6
11	Department of Chemistry	Muzaffar Ahmad Bhat	Theoretical and experimental investigations into structural, electronic, molecular and biological properties of 4-(3-chlorophenyl)-1-(3-chloropropyl) piperazine-1-ium chloride	Journal of Molecular Structure	. DOI: / 1168/ 2018/ 242-249.	12	Yes		Elsevier	0022-2860	89	2.1
12	Department of Chemistry	Muzaffar Ahmad Bhat	Synthesis, Spectroscopic characterization, DFT studies and biological activity of Bis (1-ethyl) piperidine) diselenide (L) and its complexes with selected group 12 metal halides.	Inorganic Chemical Acta	DOI: 10.1016/j.ica.2018.04.011/2018	08	Yes		Elsevier	0020-1693	Not Matched	2.2
13	Department of Chemistry	Muzaffar Ahmad Bhat	Synthesis of an unusual quinazoline alkaloid: Theoretical and experimental investigations of its structural, electronic, molecular and	RSC Advances	8/8259/2018.	15	Yes		Royal Society of Chemistry	2046-2069	113	3.5

			biological properties									
14	Department of Chemistry	Muzzaffar Ahmad Bhat	Synthesis, spectral characterization, crystallographic analysis, DFT studies, bioevaluation and anion exchange reactions of 1-(3-chlorophenyl)-4-(3-phenylseleno propyl) piperazinium chloride	Journal of Molecular Structure	1176/2019/117-127.	02	Yes		Elsevier	0022-2860	89	2.1
15	Department of Chemistry	Muzzaffar Ahmad Bhat	Synthesis, spectral characterization, reactivity and DFT studies of novel ligand phenylseleno benzylacetate (L) and its complexes with group 12 metal chlorides.	Journal of Molecular Structure	1171/2018/233-242.	08	Yes		Elsevier	0022-2860	89	2.1
16	Department of Chemistry	Muzzaffar Ahmad Bhat	1-(3-Chlorophenyl)-4-(3-phenylseleno propyl) piperazine (L); Synthesis, spectroscopic characterization, DFT studies, antimicrobial evaluation and its reactivity towards group 12 metal chlorides	Journal of Coordination Chemistry	/2018/ DOI: 10.1080/00958972.2018.1489126	01	Yes		Taylor and Francis	0095-8972	45	2.1
17	Department of Chemistry	Muzzaffar Ahmad Bhat	Synthesis of t -butyl 2-(4-hydroxy-3-methoxybenzylidene)hydrazine carboxylate: Experimental and theoretical investigations of its properties	Journal of Molecular Structure	1164/2018/216-524.	00	Yes		Elsevier	0022-2860	89	2.1
18	Department of Chemistry	Muzzaffar Ahmad Bhat	Hemisynthesis, Computational and Molecular Docking studies of novel New Nitrogen containing steroidal aromatase inhibitors: Testolactum and Testolactum.	New Journal of Chemistry	2018 /DOI: 10.1039/C8NJ00063H/	04	Yes		Royal Society of Chemistry	1144-0546	112	3.4

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<i>Dr Aabid Hussain Shalla</i>																
1	Recent review for Removal of metal ions by hydrogel	Separation Series Technology	International	Yes	Yes	Yes	Not Matched		Corresponding Author	IUST Awantipora	06 Aug 2018	18	Taylor and Francis		1.2	Thomas on Reuters
<i>Dr. Manzoor Ahmad Dar</i>																
2	Molecular and Dissociative adsorption on Au-Pd by bimetallic clusters: Role of composition and spin state of the clusture	ACS Omega	International	Yes	Yes	Yes	27	Manzoor Ahmad Dar and Sailaja Krishnamoorthy	First and Corresponding Author	IUST Awantipora	25 Jul 2019	02	American Chemical Society	ISSN 2470 - 1343 And Volume No 4	2.58	Thomas on Reuters
<i>Dr. Sheikh Abdul Majid</i>																
3	Experimental and molecular topology-based biological implication of Schiff base complexes: A Concise review	Review of Inorganic Chemistry 2019	International	Yes	Yes		22	Sheikh Abdul Majid, Jan Mohammed Mir, Shazia Paul, Mymoona Akhter, Hashim Parray, Romey Ayoub and Aabid Hussain Shalla	First and Corresponding Author	IUST Awantipora	07 Feb 2019	09	De Gruyter		3.4	Thomas on Reuters
4	Nitrate and phosphate sorption efficiency of mordenite versus zeolite-A at the convergence of experimental and density functionalized evaluation	Journal of the Chinese and Advanced Materials and Society	International	Yes	Yes		Not Matched	Sheikh Abdul Majid, Muzzaffar Ahmad Mir and Jan Mohammad Mir	First Author	IUST Awantipora	Accepted 26 Oct 2018	03	Taylor & Francis		1.2	Thomas on Reuters
5	H/BETA Zeolite mediated synthesis of t-butyl carbazate based Schiff bases. A versatile catalyst for the synthesis of highly	Journal of porous materials	International	Yes	Yes		51	Muzzaffar A. Bhat, Muzzaffar A. Mir, Shabir H. Lone, Sheikh Abdul Majid, Rayees A. Bhat	No	IUST Awantipora	14 Aug 2018	01	Springer		1.89	Thomas on Reuters

	functionalized							and Sanjay Shrivastava								
Dr. Manzoor Ahmad Rather																
6	Synthesis, Characterization, computational and cytotoxic evaluation of novel [N,N-dialkyl ammonium][diphenyl/ethyl phosphoryl oxides]	Journal of Molecular Structure	International	Peer review	Yes		89	Muzzaffar A. Bhat, Salman Jameel, Masrat Jan, Manzoor A. Rather, Sheeraz A. Bhat, Raymond J. Butcher and Sanjay K. Srivastava	No	IUST Awantipora	23 Feb 2019	00	Elsevier	ISBN: 0022 - 2860 and Vol No.: 1185	2.5	Thomas on Reuters
Dr. Muzaffar Ahmad Bhat																
7	Synthesis, characterization, and theoretical studies of (<i>E</i>)- <i>t</i> -butyl-2-((<i>E</i>)-2-methyl-3-phenylallylidene) hydrazine carboxylate and (<i>E</i>)- <i>t</i> -butyl-2-((<i>E</i>)-3-phenylallylidene) hydrazine carboxylates as a possible Mcl-1-antagonists	Journal of Molecular Structure	International	Peer Review	Yes	Yes	89	Muzzaffar A. Bhat, Ruqsana Banoo, Hashmi Rashid, Afroza Ashraf, Subayah Gul, Salmaan Jameel, Raymond J. Butcher, Shabir H. Lone	First and Corresponding Author	IUST Awantipora	14 December 2018	02	Elsevier	ISSN :022-2860 and Vol No. 1181	2.5	Thomas on Reuters
Dr. Bashir Ahmad Malik																
Dr. Jan Mohammad Mir																
8	Nitric oxide-releasing molecules at the interface of inorganic chemistry and biology: a concise overview	Review of Inorganic Chemistry 2019	International	Yes	Yes	Yes	22	Jan Mohammad Mir, Bashir Ahmad Malik and Ram Charita Maurya	First and Corresponding Author	IUST Awantipora	17 December 2018	06	De Gruyter		3.79	Thomas on Reuters
9	No news is good news for eyes	Annals of ophthalmology of Visual Sciences	International	Yes	Yes	Yes	Not Matched	J.M.Mir and R.C.Maurya	Principal and Corresponding author	IUST Awantipora	Aug 2018	00		Volume No 1	1.82	Thomas on Reuters
Dr Sajad Ahmad Bhat																
10	Metallated zonnaphthalene diimide based redox-active porous organic polymer as an efficient water oxidation electrocatalyst	Journal of Material Chemistry A	International	Yes	Yes	Yes	185	Sajad Ahmad Bhat, Chayankia Das and Tapas Kumar Maji	First Author	Jawaharhalal Nehru Centre for Advanced Scientific Research	16 Sep 2018	07	Royal Chemical Society	Volume No. 6	11	Thomas on Reuters

3.4.- Research Publications & Awards

3.4.5 – Bibliometrics of the publications during the academic year (01-08-2019 to 31-07-2020) based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Department	Title of the Paper	Name of the Journal/Conference Proceedings	Name of Author	Type of Journal (International/National/State)	Whether Peer Reviewed	Whether UGC Listed	Indexing	h-index Factor of Journal/Author	No. of Authors with names	Whether 1st/Correspondent/Co-Author	Affiliation at the time of publication	Number of citations excluding self citation	Publisher	ISSN/Volume No.	Impact Factor (If any)	Source of Impact Factor
Chemistry	Density functional aspects and thermodynamic evaluation of sodium dodecyl sulphate in aqueous tartrazine	Journal of King Saud University- Science	Nisar Ahmad Malik	International	Yes	Yes	Clarivate Analytics	32	F.A.Itoosaj.M.Mir; N.A	Co-Author	Department of Chemistry ,Islamic University of Science and Technology, Awantipora	1	Elsevier	1018-3647	2.94	SJR Clarivate Analytics
chemistry	A comprehensive review of the antibacterial, antifungal and antiviral potential of essential oils and their chemical constituents against drug-resistant microbial pathogens	Microbial pathogenesis	Manzoor A.Rather	international	peer reviewed	yes	Clarivate Analytics	67		Corresponding author	Department of Chemistry ,Islamic University of Science and Technology, Awantipora	47	Elsevier		2.9	0882-4010
Chemistry	Molecular electron density and nitrate-phosphate sorption efficiency of zeolite-A: Physico-chemical and DFT analyses	Indian Journal of Chemistry-A	Dr Muzaffar Ahmad Mir	National	Peer Reviewed	Yes	ScopusBIOSIS Preview	185		co-author	IUST-Awantipora	1	NOPR NISCAIR PUBLICATIONS Research Journals	ISSN: 0975-0975 (Online)/59A	0.489	Journal Home Page

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Publications 2021

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
						Link to website of the Journal	Link to article/paper /abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science /other, mention
Interactions of tricyclic antidepressant drug chlomidipramine hydrochloride with imidazolium based surface active ionic liquid in aqueous solution	Nisar Ahmad Malik, Ummer Farooq, Manzoor Ahmad Rather, Aabid Hussain Shalla	Chemistry	Journal of Molecular Li	2021	0167-7322	https://www.sciencedirect.com	https://www.sciencedirect.com	Yes
Drug Solubilization by Surfactants: Experimental Methods and Theoretical Perspectives.	Nisar Ahmad Malik	Chemistry	Mini Reviews in Medic	2021	1875-5607	https://benthamscience.com	https://www.eurekaselect.com	Yes
Effect of caffeine on the micellization and related thermodynamic parameters of sodium dodecyl sulphate, hexadecyltrimethylammonium bromide and triton x-100: a physicochemical study	Nisar Ahmad Malik, Ummer Farooq	Chemistry	Physics and Chemistry of Liquids	2021	0031-9104	https://www.tandfonline.com	https://www.tandfonline.com	Yes
Thermodynamics of cosolvent effect of surface-active ionic liquids on the micellization of conventional surfactant	Ummer Farooq, Nisar Ahmad Malik	Chemistry	Colloid and Polymer Science	2021	0303-402X (print) 1435-0139 (online)	https://www.springer.com	https://link.springer.com/article	Yes
Molecular scaffolds from mother nature as possible lead compounds in drug design and discovery against coronaviruses: A landscape analysis of published literature and molecular docking studies	Aadil Khurshid, Vikram Singh	Chemistry	Microbial Pathogenesis	2021	0882-4010	https://www.sciencedirect.com	https://www.sciencedirect.com	Yes

Enhancement of Schiff base biological efficacy by metal coordination and introduction of metallic compounds as anticovid candidates: a simple overview	Jan Mohammad Mir, S	Chemistry	Reviews in Inorganic C	2021	2191-0227	https://www.degruyter.com	https://www.degruyter.com/document/doi/10.1515/revic-2020-0020/html	
A Nonclinical Spectroscopic Approach for Diagnosing Covid-19: A Concise Perspective	Jan Mohammad Mir, M	Chemistry	Journal of Applied Spec	2021	1573-8647	https://www.springer.com	https://link.springer.com/article/10.1007/s10812-021-01238-9	
PEDOT and PEDOT:PSS conducting polymeric hydrogels: A report on their emerging applications	Mushtaq A.BhatReyaz	Chemistry	Synthetic Metals	2021	0379-6779	https://www.sciencedirect.com	https://www.sciencedirect.com/science/article/abs/pii/S037967792100014X	
Gas Chromatographic-Mass Spectrometric Analysis, Antibacterial, Antioxidant and Antiproliferative Activities of the Needle Essential Oil of Abies pindrow growing wild in Kashmir, India	Zubaid-ul-khazir, Gular	Chemistry	Microbial Pathogenesis	2021	0882-4010	https://www.sciencedirect.com	https://www.sciencedirect.com	Yes
Solid state electron density aspects of mordenite with experimentally evaluated nitrate and phosphate sorption	JM Mir, MA Mir, SA M	Chemistry	Materials Science and E	2021	0921-5107	https://www.sciencedirect.com	https://www.sciencedirect.com	Yes
Synthesis and characterization of Mo (0) and W (0) complexes of bis (azol-1-yl) methane based bisphosphines	SA Bhat, SC Sonawane	Chemistry	Journal of Coordination	2021	1029-0389	https://www.tandfonline.com	https://www.tandfonline.com	YES

Documents to be provided

a) e-Copies of the Publications