

List of Publications/Book Chapter
Year Wise Details 2017-18 till 2022-23

Dr. Vishu Mehra

&

Dr. Rahul Kumar

Department of Chemistry

Sr. No	Session	Name of Teacher	Title of the Book / Chapters Published	Title of Paper	Title of the proceedings of the conference	Year of Publication	ISBN/ISSN number Volume, Page number	Name of publisher/Journal	Whether of publication affiliating institution was same Yes/No
1	2017-18	Dr. Vishu Mehra		Recent advancements in synthetic facets of immensely reactive azetidines		2017	ISSN: 2046-2069 72. 45763-45783.	RSC Advances	YES
2	2017-18	Dr. Vishu Mehra	Recent developments in carbon-heteroatom (C-X) intramolecular cyclization reactions (Book Chapter)			2018	ISSN: 1574-0870 ISBN: 978-1-68108-696-5 Vol 9, 72,120.	Bentham Publications	YES
3	2018-19	Dr. Vishu		Ferrocenylchalcone-uracil		2018	ISSN 1554-8120,	Medicinal Chemistry Research	YES

								27(4), 1260-1268.			
4	2018-19	mehra Dr. Vishu Mehra			conjugates: synthesis and cytotoxic evaluation β -lactam-synthon interceded diastereoselective synthesis of 2-azido- γ -amino-alcohols with subsequent transformations to functionally enriched heterocycles			2018	ISSN: 2365-6549 4, 4764-4767	Chemistry select	YES
5	2019-20	Dr. Vishu Mehra			Ferrocene-appended pharmacophores: an exciting approach for modulating the biological potential of organic scaffolds			2019	ISSN: 1477-9226 48, 2840-2860	Dalton Transactions	YES
6	2020-21	Dr. Vishu Mehra			Recent accomplishments on the synthetic/biological facets of pharmacologically active 1H-1,2,3 triazoles			2020	ISSN: 0223-5234 212, 113069	European Journal of Medicinal Chemistry	Yes
7	2022-23	Dr. Vishu Mehra	Recent Synthetic and Biological Advances in Anticancer Ferrocene Analogues and Hybrids					2023	ISSN: 1574-0870 ISBN: 978-1-68108-696-5 Vol 18, 1-36	Bentham Publications	Yes


8	2021-22	Dr. Rahul Kumar						2021	ISSN: 2052-1537 5, 1090-1125	Materials Chemistry Frontiers	Yes
9	2021-22	Dr. Rahul Kumar						2021	ISSN:0022-2860 1232, 130073	Journal of Molecular structure	Yes


10	2020-21	Dr. Rahul Kumar	Structural diversity from co-crystal to 1D coordination polymers of 2,6-naphthalenedicarboxylic acid with 4,4'-bipyridine as coligand: structural and computational approach	2020	ISSN:3363-3381 73, 3363-3381	Journal of Coordination Chemistry	Yes
11	2020-21	Dr. Rahul Kumar	Structural transformation from 1D to 3D in $[K(\mu_5-L)H_2O]_n$ ($L = 2,4$ -dinitrobenzoate) by nitro group coordination: Comparison with theoretical and Hirshfeld surface calculations	2020	ISSN:1029-0478 32, 535-545	Supramolecular Chemistry	Yes
12	2019-20	Dr. Rahul Kumar	Tunable M-type nano barium hexaferrite material by Zn ²⁺ /Zr ⁴⁺ co-doping Anion controlled geometrically different Cu(II) ion based coordination polymers and green synthetic route for copper nanoparticles: A combined experimental and computational insight	2019	ISSN:2053-1591 6, 116111	Materials Research Express	Yes

13	2018-19	Dr. Rahul Kumar		Anion controlled geometrically different Cu(II) ion based coordination polymers and green synthetic route for copper nanoparticles: A combined experimental and computational insight		2018	ISSN:3363-3381 71, 2243-2266	Journal of Coordination Chemistry	Yes
14	2018-19	Dr. Rahul Kumar		Cu(II) ion based 1D coordination polymer: Its thermal, fluorescence properties, Hirshfeld surface analysis and theoretical calculations		2018	ISSN:1542-1406 664, 142-155	Molecular Crystals and Liquid Crystals	Yes
15	2018-19	Dr. Rahul Kumar		Study the cooperative noncovalent interactions in Lithium-1, 10-Phenanthroline complex, its DFT calculations and Hirshfeld surface analysis		2018	ISSN: 1542-1406 664:1, 124-134	Molecular Crystals and Liquid Crystals	Yes

16	2018-19	Dr. Rahul Kumar		Sol-gel route approach and improvisation in physicochemical, structural, magnetic and electrical properties of $BaCo_{0.7}Zn_{0.2}Zr_{1-x}Fe_{(12-2x)}O_{19}$ ferrites		2018	ISSN:0304-8853 447, 32-41	Journal of Magnetism and Magnetic Materials	Yes
17	2017-18	Dr. Rahul Kumar		Li doping induced physicochemical modulations in Cd ferrite ($CdLi_xFe_{(2-x)}O_{4-x}$) synthesized using aqueous ammonia assisted Co-precipitation route		2017	ISSN:0921-5107 227, 1-8	Materials Science and Engineering: B	Yes
18	2017-18	Dr. Rahul Kumar		A combined theoretical calculations and Hirshfeld surface analysis of cooperative non-covalent interactions in the crystal packing in $[Cu(L1)_2(EDA)]$		2017	ISSN: 10.1002/zaac.201700182	Zeitschrift für anorganische und allgemeine Chemie	Yes

19	2017-18	Dr. Rahul Kumar	Sol-gel route approach and improvisation in physicochemical, structural, magnetic and electrical properties of $BaCo_{0.5}Zn_{0.5}Zr_{1-x}Fe_{(12-2x)}O_{19}$ ferrites	2017	ISSN: 0304-8853 447, 32-41	Journal of Magnetism and Magnetic Materials	Yes
20	2017-18	Dr. Rahul Kumar	Effect of H-bonding interactions of water molecules in the self-assembly of supramolecular architecture-joint experimental and computational studies	2017	ISSN: 0022-2860 1142, 148-155	Journal of Molecular Structure	Yes


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Dr. Vishnu Melwa