

Achievements

Department of Chemistry (2019-2020)

Teachers achievements:

Papers published in UGC listed journals:

S.No.	Papers published in UGC listed journals (in APA format)	Citations	h- index*	Impact factor range/Average Impact factor*
1.	Ali, A., Bidhuri, P. , Malik, N.A., Uzair, S., (2019) Density, Viscosity, and refractive index of mono-, di-, and tri- saccharides in aqueous glycine solutions at different temperatures, Arabian Journal of Chemistry (Elsevier), 12, 1684-1694	75	4	4.039
2.	Iqbal, S. , Khatoon, H., Kotnala, R.K., Ahmad, S., (2019) Mesoporous Strontium Ferrite/Polythiophene Composite: Influence of enwrappment on structural, thermal, and electromagnetic interference shielding, Composites Part B: Engineering, 175, 107143	6	4	6.86
3.	Khatoon, H., Iqbal, S. , Ahmad, S., (2019) Influence of Carbon Nanodots encapsulated Polycarbazole Hybrid on Corrosion Inhibition Performance of Polyurethane Nanocomposite Coatings, New Journal of Chemistry, 43, 2019, 10278-10290	0	4	3.06
4.	Iqbal, S. , Kotnala, G., Shah, J., Ahmad, S., “Barium ferrite nanoparticles: A highly effective EMI shielding material”, Materials Science for Energy Technology, 2, 2019, 417-428.	12	4	1.449
5.	Ghosal, A., Iqbal, S. , Ahmad, S., (2019) “NiO nanofiller dispersed Hybrid Soy Epoxy Anticorrosive Coatings”, Progress in Organic Coatings, 133, 61-76.	4	4	3.42
6.	Ravi R., Iqbal S. , Ghosal A. and Ahmad S., (2019) “Novel Mesoporous trimetallic Strontium Magnesium Ferrite (Sr _{0.3} Mg _{0.7} Fe ₂ O ₄) nanocubes: A selective	5	4	4.17

	and recoverable magnetic nanoadsorbent for Congo red”, Journal of Alloys and Compounds, 791, 336-347.			
7.	Hepatic Lipoprotein Receptor Related Protein Modulators As Potential Therapeutics For Alzheimer’s Disease, Arathy Ramachandran, Khader Valli Rupanagudi, Pankaj Khanna, Mahesh Chand , Subhash C. Jain, Hema Saranya Ilamathi, Suman S. Thakur and Vijayalakshmi Ravindranath, Alzheimer’s and Dementia, July 2019, 15(7):P27, ISSN:1552-5279.	-	-	14.423
8.	Soni S., Chouhan N., Meena R.K. , Kumar S., Dalela B., Mishra M., Meena R.S., Gupta G., Kumar S., Alvi P.A., and Dalela S., (2019) “Electronic Structure and Room Temperature Ferromagnetism in Gd-doped Cerium Oxide Nanoparticles for Hydrogen Generation via Photocatalytic Water Splitting” <i>Global Challenges</i> , Published by WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim.	8	4	4.306
9.	Issar, U. , Arora, R., Kumari, T. & Kakkar, R. (2019) Combined pharmacophore-guided 3D-QSAR, molecular docking, and virtual screening on bis-benzimidazoles and ter-benzimidazoles as DNA–topoisomerase I poisons. <i>Struct Chem</i> 30, 1185–1201. https://doi.org/10.1007/s11224-018-1257-3	2	5	1.624
10.	Narang, P. , Venkatesu, P., (2019) An efficient study to reach physiological temperature with Poly(N-isopropylacrylamide) (PNIPAM) in presence of two differently behaving additives. <i>J. Colloid Interface Sci.</i> 538, 62-74.	3	5	5.091
11.	Narang, P. , Yadav, N., Venkatesu, P., (2019) Scrutinizing the efficacy of various additives to modulate the micellization behavior of triblock copolymer. <i>J. Colloid Interface Sci.</i> 553, 655-665.	1	5	5.091

12.	Umapathi, R., Narang, P. , Venkatesu, P., Deenadayalu, N., (2019) Profiling the molecular interactions between a promising thermoresponsive polymer and ionic liquid: A biophysical outlook. J. Mol. Liq. 278, 716-721.	3	5	4.513
13.	Narang, P. , de Oliveira, T.E., Venkatesu, P., Netz, P.A. (2019) <u>The role of osmolytes in the temperature-triggered conformational transition of poly(N -vinylcaprolactam): an experimental and computational study.</u> Phys. Chem. Chem. Phys., Accepted DOI: 10.1039/C9CP06683G , recently came online	-	5	3.567
14.	Narang, P. , Venkatesu, P., (2020) <u>Efficacy of several additives to modulate the phase behavior of biomedical polymers: A comprehensive and comparative outlook.</u> Adv. Colloid Interface Sci, 274, 102042-1-10.	-	5	8.243

Book Chapters published:

S.No.	Book Chapters Published
1.	Iqbal S. and Ahmad S., (2019). Conducting Polymer Composites: An Efficient EMI Shielding Material in Materials for Potential EMI Shielding Applications, Elsevier, ISSN: 9780128175910
2.	Ahmadi Y., Iqbal S. and Ahmad S., (2019). Conducting Polymer Composites: An Efficient EMI Shielding Material in Materials for Potential EMI Shielding Applications, Elsevier, ISSN: 9780128175910
3.	Darda A., Khatoon H., Irfan M., Ahmad S., Siddiqi W. A., Iqbal S. , Pandit A. H. and Ansari M. D., (2020). “The Next-Generation Sustainable Polymers” in Green Polymer Chemistry and Composites: Pollution Prevention and Waste Reduction, Apple Academic Press, 9781771889377.
4.	Irfan M., Khatoon H., Kouser R., Darda A., Bhat S. I., and Iqbal S. , (2020). “Renewable Resource-Based Environmental Friendly Waterborne Polymeric

	Anticorrosive Nanocomposite Coatings” in Green Polymer Chemistry and Composites: Pollution Prevention and Waste Reduction, Apple Academic Press, ISBN: 9781771889377.
5.	Verma N. , Shaily, Chauhan K., Kumar S., “Benzofuran-3(2H)-ones Derivatives: Synthesis, Docking and Evaluation of Their in vitro Anticancer Studies”, <i>Advances in Intelligent Systems and Computing (AISC)</i> , Springer, TCCE-2019, (In Press)

Details of teachers attended Refresher/Orientation/short term courses:

Name of Faculty	Name of course and organizing body	Duration From -To
Dr. Swati Aggarwal	Participated and successfully completed ‘Online Refresher Course in Chemistry for Higher Education’ under Annual Refresher Programme in Teaching (ARPIT-2019) organized by SWAYAM, MHRD, Government of India for 16 weeks.	1 st September 2019 to 31 st December 2019
Dr. Upasana Issar	Participated and successfully Completed a four month Online Refresher Course in Chemistry under Annual Refresher Programme in Teaching (ARPIT- 2019), organized by SWAYAM, GOI.	1 st September 2019 to 31 st December 2019