Department of Chemistry

Numbers of Research articles/papers in national/international Journals published by the staff teacher from 2016-17 to 2020-21

Sl. no	Title of the paper	Name of the Authors	Department of the teacher	Name of the journal	Year of publications	National/ International	ISBN/ISSN No.	Doi number/ Link to the recognition in UGC enlistment of the journal
1	Electromagnetic shielding effectiveness studies on polyaniline/CSA-WO3 composites at KU band frequencies	D. Nagesa Sastry	Chemistry	*AAP Journal*	2018	International		**DOI:**10.1063/1.5032914
2	Spectroscopic and electromagnetic interference-shielding effectiveness studies on polyailine/ DBSA/MoO_3 composite at X-band frequencies.	D. Nagesa Sastry	Chemistry	*International journal of scientific research in science and technology*	2018	International	**Print ISSN : 2395-6011, Online ISSN : 2395-602X**	**https://ijsrst.com/IJSRST185321**
3	Microwave-Synthesized NiO as a Highly Sensitive and Selective Room-Temperature NO2 Sensor	T. R. Ravikumar Naik	Chemistry	*J. Solid State Sci.technol*	2018	International		**https://iopscience.iop.org/article/10.1149/2.0211807jss**
4	Microwave assisted greener synthesis of silver nanoparticles using Karanjin and their antifungal activity	T. R. Ravikumar Naik	chemistry	*Journal of Materials NonoScience*	2018	International		**https://www.pubs.iscience.in/journal/index.php/jmns/article/view/814**
5	Synthesis, characterization and electrochemical investigations of azo dyes derived from 2-amino-6-ethoxybenzothiazole	Vinod kumar	chemistry	*Chemical Data Collections*	2018	International		**https://doi.org/10.1016/j.cdc.2018.07.002**
6	Low-temperature microwave-assisted synthesis and antifungal activity of CoFe2O4 nanoparticles	T. R. Ravikumar Naik	chemistry	*Journal of Materials NanoScience*	2019	International		**https://www.pubs.iscience.in/journal/index.php/jmns/article/view/856**

7	"Synthesis, DNA photocleavage, molecular docking and anticancer studies of 2-methyl-1,2,3,4-tetrahydroquinolines	T. R. Ravikumar Naik	chemistry	*Chemical Biology Letters*	2019	International		https://pubs.thesciencein.org/journal/index.php/cbl/article/view/7
8	Snthesis charecterisation and tumer inhibitor activity of novel Pd(II) complex derived from methanethiol-briged (2-(1H-benzo(d)imdazol-2-yl)methylthio)-1H-benzo(d)imidazol-6yl)phenyl)methanone	T. R. Ravikumar Naik	chemistry	*New Journal of Chemistry*	2019	International		https://pubs.rsc.org/en/content/articlelanding/2019/nj/c8nj03057j
9	Synthesis, structural investigations and in vitro biological evaluation of N, N-dimethyl aniline derivatives based azo dyes as potential pharmacological agents	Vinod kumar	chemistry	*Journal of Molecular Structure*	2019	International		https://doi.org/10.1016/j.molstruc.2019.03.042
10	Synthesis of nano crystalline ZnO: Reusability and its morphological effect on catalytic activity, yield and time of the reaction,	T. R. Ravikumar Naik	chemistry	*Research Journal of Chemistry and Environment*	2020	International		https://www.sciencedirect.com/science/article/pii/S1878535216302520
11	significance of 1,4-Dihydropyridine compounds as potential anticancer agents	T. R. Ravikumar Naik	chemistry	*Intech Open, publications*	2020	International		https://www.intechopen.com/chapters/69838
12	Synthesis, characterization, electrochemistry, biological and molecular docking studies of the novel Co (II), Ni (II) and Cu (II) complexes derived from methanethiol bridged ligand	T. R. Ravikumar Naik	chemistry	*Journal of Molecular Structure*	2020	International		https://www.sciencedirect.com/science/article/abs/pii/S0022286020309 11X
13	Microwave-assisted synthesis of copper nanoparticles: influence of copper nanoparticles morphology on the antimicrobial activity	T. R. Ravikumar Naik	chemistry	*Journal of Materials NanoScience*	2020	International		https://pubs.thesciencein.org/journal/index.php/jmns/article/view/223

14	Synthesis, Characterization, DFT Studies and Biological Activity of Ru(III), La(III) and Ce(III) Triphenylphosphine Complexes Containing 2-Aminothiazole and 2-Aminotriazole	T. R. Ravikumar Naik	chemistry	*Journal of Inorganic and Organometallic Polymers and Materials*	2020	International		**https://link.springer.com/article/10.1007/s10904-020-01492-y**
15	Synthesis of blue light emitting 5-carboxylicacid-2-arylsubstituted benzimidazoles as photosensitizers for dye-sensitized solar cells	T. R. Ravikumar Naik	chemistry	*Journal of Materials NanoScience*	2020	International		**http://pubs.iscience.in/journal/index.php/jmns/article/view/1051**
16	Synthesis, characterization, computational and biological studies of nitrothiazole incorporated heterocyclic azo dyes	Vinod kumar	chemistry	*Structural chemistry journal (Springer)*	2020	International		**https://doi.org/10.1007/s11224-020-01493-0**
17	Synthesis, characterization and biological potency of butyl pyridone based azo dyes.	Vinod kumar	chemistry	*Chemistryselect (Willey),*	2020	International		**https://doi.org/10.1002/slct.201904954**
18	Synthesis, characterization and pharmacological evaluation of 2-aminothiazole incorporated azo dyes.	Vinod kumar	chemistry	*Journal of molecular structure*	2020	International		**https://doi.org/10.1016/j.molstruc.2019.127493**
19	Synthesis and antioxidant activity of sulfur and selenium substituted quinoilines, Book chapter, Biomolecules	T. R. Ravikumar Naik	chemistry	*The current Status and Future Prospects*	2021	International		**https://pubmed.ncbi.nlm.nih.gov/32242787/**
20	Synthesis, spectral characterization, anticancer and cyclic voltammetric studies of azo colorants containing thiazole structure	Vinod Kumar	chemistry	*Chemical data collections*	2021	International		https://doi.org/10.1016/j.cdc.2021.100686

21	Heterocyclic azo dyes derived from 2-(6-chloro-1,3-benzothiazol-2-yl)-5-methyl-2,4-dihydro-3H-pyrazol-3-one having benzothiazole skeleton, Synthesis, structural, computational and biological studies	Vinod Kumar	chemistry	*Journal of molecular structure*	2021	International		https://doi.org/10.1016/j.molstruc.2021.131321
22	In-vitro antioxidant and anticancer activities of MnFe2O4 nanoparticles synthesized using spinach leaves extract	T. R. Ravikumar Naik	chemistry	*Appl. Nanomed*	2022	International		https://pubs.thesciencein.org/journal/index.php/nanomed/issue/view/54
23	Synthesis and Biological Evaluation of (4-Fluorophenyl)(1-(5-phenyl-1,3,4-oxadiazol-2-yl)indolizin-3-yl)methanone Derivatives as Anti-cancer and Antimicrobial Agents,	T. R. Ravikumar Naik	chemistry	*International Journal of Pharmaceutical Sciences and Drug Research*	2022	International		http://www.ijpsdr.com/index.php/ijpsdr/article/view/2811
24	Synthesis, docking and biological evaluation of 3-(3-chlorobenzoyl)-n-phenylindolizine-1-carboxamide derivatives as anti-tuberculosis, anticancer, anti-inflammatory and antibacterial agents	T. R. Ravikumar Naik	chemistry	*Rasayan J. Chem*	2022	International	ISSN: 0974-1496	https://rasayanjournal.co.in/admin/php/upload/3442_pdf.pdf
25	Synthesis, spectral interpretation and biological efficiency of azo colourants derived from sulfadiazine moiety	Vinod Kumar	chemistry	*Polycyclic Aromatic Compounds*	2023	International		https://doi.org/10.1080/10406638.2023.2209250
26	Fluorenone-thiazolidine-4-one scaffolds as antidiabetic and antioxidant agents: Design, synthesis, x-rays crystal structures, and binding and computational studies.	T. R. Ravikumar Naik	chemistry	*New J Chem*	2023	International		https://pubs.rsc.org/en/content/articlelanding/2023/nj/d3nj01922e