Profile

Name of the Faculty	Dr. A. Anilkumar
Designation	Assistant Professor
Department	Freshman Engineering
Area of Interest	Inorganic/Organic synthesis and Material chemistry
Subjects Taught	BSc and Engineering Chemistry
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Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	Ph.D.	Inorganic chemistry	Osmania University	2020
2	M.Sc.	Organic Chemistry	Kakatiya University	2009
3	B. Ed	Physical Science and Biological Science	Kakatiya University	2006
4	B.Sc.	Botony, Zoology, Chemistry	Kakatiya University	2004

Publications Details :

S. No.	Publication details
1.	Synthesis, Characterisation, Antimicrobial Activity And DNA Cleavage Study Of (E)-2-(((2-(p- tolyloxy)quinolin-3-yl)methylene)amino) benzenethiol Schiff Base Metal Complexes**, Chemical Data Collections,** ISSN : 2405-8300, VOL.27, June 2020, DOI:000(2020)100372
2.	Synthesis, Characterisation, Antimicrobial Activity And DNA Cleavage Of (E)-4-(((2-morpholinoquinolin-3-yl) methaylene)amino)phenol Schiff Base Metal Complexes. **Research Journal of Chemistry and Environment,** 25(2), February 2021, pp: 194-200, ISSN: 2278-4527.
3.	Synthesis, Characterisation, Antimicrobial activity and DNA Cleavage of (E)-2-((Tetrazolo[1,5-A]Quinolin-4-ylmethylene)Amino)Phenol Schiff base Metal complexes. **International Journal of ChemTech Research,** 2020, 13 (2), 29-37. DOI : http://dx.doi.org/10.20902/IJCTR.2019.130204
4.	Synthesis, Characterization, Antimicrobial Activity, DNA Cleavage and Docking Studies of Quinoline Schiff Base Metal Complexes. **Journal of Applicable Chemistry,** 2018, 7 (5): 1196-1206.
5.	"Synthesis and Antimicrobial Activity of Some Novel Benzofuran Based 1,2,3-Triazoles. **Russian Journal of General Chemistry**, 2017, Vol. 87, No. 2, pp. 322–330. 2017, , ISSN 1070-3632 DOI : 10.1134/S1070363217020281
6.	Synthesis and Characterization Pd(II) Macrocyclic Complexes and Evaluation their Antibacterial Activity, ,**Journal of Applicable Chemistry**, 2019, 8 (4): 1611-1618, ISSN: 2278-1862.
7.	Synthesis, Spectral Characterization and Antibacterial Investigation of Ni(II) Coordination Complexes of Macrocyclic Schiff base ligands Derived from 4-Aminoantipyrine, **Journal of Advances in chemistry**, Vol. 13(1), ISSN2321- 807 X.
8.	"Carbon Credits: Project Based Learning to Enhance Conceptual Understanding". Resonance, vol 27, issue 4, page no. 667-671, ISSN : 0971-8044. DOI : https://doi.org/10.1007/s12045-022-1356-8
9.	An Estimation of Complicated and Expensive Chemical Reactions by using Machine Learning Techniques", **JOURNAL OF OPTOELECTRONICS LASER**, Volume 41 Issue 5, 2022, ISSN:1005-0086, PP : 877-883DOI: https://www.gdzjg.org/index.php/JOL/article/view/437
10.	Green synthesis of CeO2 NPs using Manilkara zapota fruit peel extract for photocatalytic treatment of pollutants, antimicrobial and antidiabetic activities" **Results in Chemistry, ISSN : 2211-7156** DOI : https://doi.org/10.1016/j.rechem.2022.100441

11.	'Facile synthesis and characterization of noble metals decorated g-C_3N_4 (g-C_3N_4/Pt and g-C_3N_4/Pd) nanocomposites for efficient photocatalytic production of Schiff bases', **Results in Chemistry,4,(2022)100597, ISSN : 2211-7156** DOI : https://doi.org/10.1016/j.rechem.2022.100597
12.	Synthesis, characterization, antimicrobial activity and dna cleavage study of (e)-3-(((3-hydroxypyridin-2-yl) imino) methyl) quinolin-2-ol schiff base metal complexes'' **Heterocyclic letters**, vol. 12| no.4|821-829|aug-oct|2022,issn : 2231–3087, DOI **:** https://www.heteroletters.org/issue124/Paper-17.pdf
13.	An improved eco-friendly and solvent-free method for the one-pot synthesis of tetrahydropyrimidine derivatives via Biginelli condensation reaction using ZrO2/La2O3 catalysts" **Results in Chemistry,** Volume 5, January 2023, 100691**, ISSN : 2211-7156 DOI :** https://doi.org/10.1016/j.rechem.2022.100691
14.	Optical, luminescence and photocatalytic activity of Sr based Mg, Ce nano ferrites synthesized by citrate gel auto combustion method". **Materials Today: Proceedings, ISSN :** 2214-7853.DOI : https://doi.org/10.1016/j.matpr.2023.04.346
15.	An efficient, reusable heterogeneous Ceria pramoted lanthanum catalyst developed for the synthesis of (e)-1-(Arylmethylene)-2-phenylhydrazines". **Research Journal of Chemistry and Environment,** Vol. 27 (6) June (2023) pp: 36-41, ISSN: 2278-4527. DOI : https://doi.org/10.25303/2706rjce036041
16.	A facile, an efficient and improved solvent-free protection of amines using reusable 5 wt% SnO2/La2O3 heterogeneous catalyst. **Materials Today: Proceedings' ISSN :** 2214-7853. DOI : https://doi.org/10.1016/j.matpr.2023.05.350
17.	Novel benzothiophene–tethered 1,3,4–oxadiazoles as potent antimicrobial targets: Design, synthesis, biological evaluation, DFT exploration and in silico docking study'' , **Journal of Molecular Structure,** Volume. 1322*, part.1,* Article no.140251, **ISSN:** 0022 – 2860, **DOI: https://doi.org/10.1016/j.molstruc.2024.140251**

Experience:

Teaching	8
Industry	0
Research	7
Total Experience	15