

Bhogawati Mahavidyalaya, Kurukali
Department of Chemistry

Research Publications (Year 2021-22)

Sr No	Author	Title of Paper	Journal	ISSN	Year
1	Dr. Raviraj Shripati Kamble	Study of Different Acid Doped Polyaniline Nanostructures and Their Electrical Conductance Properties	Journal of Scientific Research	ISSN: 2070-0237 (Print); 2070-0245 (Online).	February 2022
2	Dr. Raviraj Shripati Kamble	A Brief review of Synthetic Methods and Applications of Polyaniline Nanofibres	Bulletin of Environment, Pharmacology and Life Sciences	Online ISSN 2277-1808	2022
3	Dr. Dattatray Ramchandra Chandam	[MerDABCO-BSA][HSO ₄] ₂ : A novel polymer supported Brønsted acidic ionic liquid catalyst for the synthesis of biscoumarins and ortho-aminocarbonitriles	Journal of Molecular Structure	E-ISSN 1872-8014, ISSN0022-2860	July 2022
4	Dr. Dattatray Ramchandra Chandam	Green and highly efficient synthesis of pyrimidine derivatives in a novel glycolic acid: urea-based low transition temperature mixture via C-C and C-O bond formation	Journal of Heterocyclic Chemistry	Online ISSN 1943-5193, ISSN : 0022-152x	July 2022
5	Dr. Niwas M. Patil	Synthesis, characterization and dielectric study of titania supported ZnFe ₂ O ₄	Macromolecular Symposia	Online ISSN 1521-3900	December 2021

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Research Publications (Year 2022-2023)

Sr No	Author	Title of Paper	Journal	ISSN	Year
1	Dr. D R Chandam	An efficient synthesis of pyranopyrimidine derivatives by using glyoxylic acid: L-proline deep eutectic solvent as novel designer reaction promoter	Indian Journal of Chemistry	ISSN 2583-1321 (Online) ISSN 0019-5103 (Print)	Year April 2023
2	Prof. Dr. D. K. Dalavi	AIEE Behaviour of Ctad Stabilised Pns for Determination of ATP	IJFANS International Journal of Food and Nutritional Sciences	ISSN PRINT 2319 1775 Online 2320 7876	December 2022
3	Prof. Dr. D. K. Dalavi	Mimi-Review: Fluorescent Organic Nanoparticles	IJFANS International Journal of Food and Nutritional Sciences	ISSN PRINT 2319 1775 Online 2320 7876	December 2022

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Sr No	Author	Title of Paper	Journal	ISSN	Year
1	Prof. Dr. D. K. Dalavi	SDS capped 1 pyrenecarboxaldehyde nanoprobe for selective detection of Cu ²⁺ ion	Luminescence	1522-7235	2024
2	Dr. D. R. Chandam	Fe ₃ O ₄ @Thiosemicarbazide Cu (II): An efficient magnetically separable catalyst for greener synthesis of 1,2,3-triazoles using click reaction	Journal of Organometallic Chemistry	0022-328x	2024
3	Dr. R. S. Kamble	Effect of Nickel (Ni) Ion Doping on the Morphology and Supercapacitive Performance of Mn ₃ O ₄ Thin Films	Journal of Electronic Materials	Print ISSN: 0361-5235	2023
4	Dr. R. S. Kamble	Structural, optical, morphological, and supercapacitive studies of electrophoretically deposited nanostructured Mn ₃ O ₄ thin films	Solid Thin Films	0040-6090	2024
5	Dr. R. S. Kamble	Enhanced supercapacitive performance of electrophoretically deposited nanostructured molybdenum-doped Mn ₃ O ₄ thin films	International Journal of Materials Science	1862-5282	2023


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Sr No	Author	Title of Paper	Journal	ISSN	Year
1	Dr D K Dalavi	AIEE Based Fluorescent Organic Nano-Probe For Selective Recognition Of Chloride Ion In Environmental Samples	Journal Of Novel Research and Innovative Development	2984-8687	June 2024
2	Dr R. S. Kamble	Mn3O4 Nanomaterials in Supercapacitor Applications: A Short Review	Chemsci Advances	2997-9587	September 2024
3	Dr R. S. Kamble	Ni ion doped vertical nanorod array network of ZnO engineered by chemical bath deposition for versatile NO2 gas sensor	Journal of the Korean Ceramic Society	Print ISSN 1229-7801 E ISSN 2234-0491	January 2025
4	Mrs V R Patil	Isatin as Scaffold for Anticancer Drug Development , Mechanistic Insights and Therapeutic Applications	African Journal of Biomedical Research	119-5096	November 2024
5	Dr D K Dalavi	Fluorescence "Off-On" recognition system of Tween- 80 stabilized 9-Anthracene Carboxylic Acid Nanoparticles for CN ⁻ : Application to Environmental Analysis	Journal of Emerging Technologies and Innovative Research	ISSN-2349-5162	August 2024


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Research Publications (Year 2025-2026)

Sr. No.	Author	Title of paper	Journal	ISSN	Year
1	Dr. R. S. Kamble	Progress and Developments in Transition Metal Oxide Material for Supercapacitor Application	Journal of Technology	1012-3407	2025
2	Dr. R. S. Kamble	Annealing Driven Modification in ZnO Nanorod Thin Films and Their Impact on NO ₂ Sensing Performance	Micromachines	2072-666x	2025
3	Dr. R. S. Kamble	Recent Advances in Doped ZnO Thin Films for Gas Sensing Application	IOSR Journal of Multidisciplinary Research	3048-7439	2026
4	Prof. Dr. D. K. Dalavi	CTAB Capped Beta Naphthol Nanoparticles as ratiometric Fluorescent Sensors for Cr (VI) : Application to Environmental Sample	Chemistry Select	Online ISSN 2365-6549 Print ISSN 2365-6549	2025
5	Dr. N. M. Patil	Development of a heterocontact-type gas sensor using nanostructured cobalt chromate for selective detection of petrol vapours	Next Research	3050-4759	2025
6	Dr. R. S. Kamble	Analysis of Student Centric Approaches Towards Online Education in Chemistry in Rural Areas during the Covid Pandemic Period	International Journal of Environmental Sciences	2229-7359	2025

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