

Sl. No	Title of article	Authors	Journal and Publisher	Conference	Year of Publication	SCI/Scopus/WOS/UGC Care	ISSN Number	Link to Paper/DOI
162	Role of Chiral Dopants, Luminescence Applications of Cholesteric Liquid Crystals	Dr. Raghavendra P Bakale	In Cholesteric Liquid Crystals: Dielectric and Optical Applications (pp. 67-85). Singapore: Springer Nature Singapore.		2025	Scopus	1612-1317	https://doi.org/10.1007/978-981-96-3821-5
163	Recent Advances in the Optical Properties of Cholesteric Liquid Crystals	Dr. Raghavendra P Bakale	Cholesteric Liquid Crystals: Dielectric and Optical Applications, 43-66.		2025	Scopus	1612-1317	https://doi.org/10.1007/978-981-96-3821-5
164	Understanding the Role of Natural Gas Contaminants in CO ₂ /CH ₄ Separation Using Advanced Polyimide Membrane Technology	Dr. Raghavendra P Bakale	Journal of Chemistry Letters, (), - . doi: 10.22034/jchemlett.2025.499267.1273		2025	Scopus	2717-1892	https://doi.org/10.22034/JCHEMLETT.2025.499267.1273
165	Achieving Zero Waste: Sustainable Strategies for a Resilient and Regenerative Society	Dr. Raghavendra P Bakale	Determinations in Nanomedicine & Nanotechnology		2025	Crossref	2832-4439	DOI: 10.31031/DNN.2025.03.000565

166	Determination of Medical Wastes by Nanomaterial Based Electrodes	Dr. Raghavendra P Bakale	Fabrication and Advanced Applications of Nanomaterial-Based Electrochemical Sensors, 218-242.		2025	Scopus	ISBN 9781032842561	DOI:10.1201/9781003512639
167	Engineering Biomaterials: Pioneering Advances in Medical Device Technology	Dr. Raghavendra P Bakale	Physics and Chemistry of Solid State, 26(3), 632-642.		2025	Scopus	1729-4428	DOI: 10.15330/pcss.26.3.632-642
168	Harnessing MOFs and Derivatives for Next-Gen Energy Devices	Dr. Raghavendra P Bakale	JOJ Material Science 10(1): JOJMS.MS.ID.555780 (2025)		2025	Crossref	2575-856X	DOI: 10.19080/JOJMS.2025.10.555780
169	Recent Advances in Optical Storage and Display Applications of Cholesteric Liquid Crystals	Mr. Bojappa Ginni	Cholesteric Liquid Crystals: Dielectric and Optical Applications, 21-41.		2025	Scopus	1612-1317	https://doi.org/10.1007/978-981-963821-5
170	How Nanomaterials Facilitated Electrochemical Sensor Research	Mr. Bojappa Ginni	In Fabrication and Advanced Applications of Nanomaterial-Based Electrochemical Sensors (pp. 33-55). CRC Press.		2025	Scopus	ISBN 9781032842561	DOI:10.1201/9781003512639

171	An Introduction to Carbon Sensors	Mr. Bojappa Ginni	In Handbook of Carbon Sensors (pp. 1-14). CRC Press.		2025	Scopus	9.78E+12	https://doi.org/10.1201/9781003500322
172	Advances in Biosensors: A Comprehensive Review of Types, Enzyme-Based Glucose Biosensors, and Applications	Dr. Raghavendra P Bakale	J. Chem. Lett. 6 (2025) 33-48		2025	DOAJ	2821-0123	https://doi.org/10.22034/JCHEMLETT.2024.472796.1220
173	Nanotechnology for a Greener Tomorrow: Exploring Ecofriendly Nanomaterial Applications	Dr. Raghavendra P Bakale	Nanomedicine & Nanotechnology Open Access		2025	Crossref	2574-187X	DOI: 10.23880/na-noa-16000339
174	Removal of Heavy Metals from Industrial Effluent using Electrogravimetric Technique	Dr. Raghavendra P Bakale	Academic Journal of Engineering Studies (AES)		2025	Crossref		

175	Progress unveiled: a comprehensive review on non-toxic carbon-based quantum dots - synthesis, unique properties, and diverse applications	Dr. Raghavendra P Bakale	PHYSICS AND CHEMISTRY OF SOLID STATE V. 25, No. 3 (2024) pp. 528-539		2024	Scopus	1729-4428	DOI: 10.15330/pcss.25.3.528-539
176	Unlocking the Potential of Nanomedicine and Nanotechnology: A New Era of Innovation	Dr. Raghavendra P Bakale	Nanomed Nanotechnology 2024, 9(3) 000315		2024	Crossref	2574-187X	DOI: 10.23880/noa-16000315
177	The Future of Biomedical Engineering and Biosciences: Current Innovations	Dr. Raghavendra P Bakale	Curr Trends Biomedical Eng & Biosci 23(2): CTBEB.MS.ID.556107 (2024)		2024	Crossref	2572-1151	DOI: 10.19080/CTBEB.2024.23.556107
178	Potential of ZnO Nanoparticles: Exploring Biological Activity and Applications	Dr. Raghavendra P Bakale	Nanomedicine & Nanotechnology Open Access 2024, 9(4)		2024	Crossref	2574-187X	DOI: 10.23880/noa-16000321
179	Sustainable Energy Solutions through Nanostructured Materials	Dr. Raghavendra P Bakale	Nanomedicine & Nanotechnology Open Access		2024	Crossref	2574-187X	DOI: 10.23880/noa-16000331