

R.V.R.& J.C. COLLEGE OF ENGINEERING
DEPARTMENT OF CHEMICAL ENGINEERING
AY 2023-2024

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2. D.N.V. Satyanarayana et al., 'Current challenges and future directions in artificial intelligence for imaging informatics, Journal of Theoretical and Applied Information Technology, Vol. 101(2), pp. 6801-6809, 2023. (SCOPUS INDEXED)
3. K. Sobha, Characterization and evaluation of some biological activities of silver nanoparticles synthesized using Trigonella foenum, Journal of Microbiology, Biotechnology and Food Sciences, Vol.13(5), pp.e4255, ISBN: 1338-5178. (Scopus/WOS/SCI)
4. K. Mounika, P. Somanath, P. Ashraf baji, G. Harika and K. Sobha, 'Natural pigments, their applications and methods of extraction: A review', International Journal of Innovative Science and Research Technology, Vol. 8(12), pp. 2531-2542, 2023. ISSN: 2456-2165. (Scopus)
5. K. Sobha, 'Chitosan/PVA Films and Silver Nanoparticle Impregnated Nanofibrous Dressings for Evaluation of their Wound Healing Efficacy in Wistar Albino Rat Model', Journal of Polymer Materials - An International Journal, Vol. 40, Issue 3-4, pp. 285-303, ISBN: 0973-8622; 0976-3449. (Scopus/WOS/SCI)
6. K. Sobha et.al., Extraction and characterization of marine chitosan from sea shrimp shell and its biomedical applications, Research Journal of Biotechnology, Vol. 18 (11), pp.40-48, 2023. (Scopus/WOS).
7. K.Sobha et.al., Phytoconstituents of Chromolaenaodorata (L.) leaf extract for the synthesis of copper oxide/copper nanoparticles and evaluation of their biological potential in wound healing, Trends in Phytochemical Research, Vol. 7(3), pp.186-206, 2023. (Scopus/WOS).
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10. P.Rohinikumar et al., 'Impact of boron carbide particles and weight percentage on the mechanical and wear characterization of Al2011 alloy metal composites', International Journal of ACS Omega, Vol. 8(26), pp. 763-771, 2023. (Scopus/WOS).
11. J. Lakshmi Jayanthi, 'Artificial Intelligence based modelling and hybrid optimization of linseed oil biodiesel with grapheme nanoparticles to stringent biomedical safety and environmental standards', Journal of Case Studies in Thermal Engineering, Vol. 51, pp. 1-24, 2023. (Scopus/WOS).
12. J. Lakshmi Jayanthi, Investigation of Characterisation for Biosorption of Congo Red from Textile Wastewater Using Spathodecampanulata Leaves: FTIR, SEM, and XRD Analysis', Journal of chemical methodologies, Vol.7(8), pp. 605-612, 2023. (Scopus/WOS).

Book Chapters

13. K. Sobha, 'An Analysis of the Physico-Chemical Factors and the Molecular Structure for Optimal Activity of Lipase(s) Isolated from AspergillusSps.' ,Current Topics on Chemistry and Biochemistry Vol. 4, pp. 168-179, 2023. Book chapter, Print ISBN: 978-93-5547-766-8, eBook ISBN: 978-93-5547-767-5, DOI: 10.9734/bpi/ctcb/v4/3335A. (Scopus/WOS).
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