

**DEPARTMENT OF HUMANITIES AND BASIC SCIENCES****RESEARCH PUBLICATIONS****ACADEMIC YEAR: 2022-23**

Sl. No.	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol/Month	SCI/Scopus/UGC	URL/DOI
01	Dr.B.S.N.Murthy	Fuzzy Analysis of Artificial drug transmission model with optimal control	Fractal and Fractional	25043110	7(1) 10	Scopus	<a href="https://doi.org/10.3390/fractalfract7010010">https://doi.org/10.3390/fractalfract7010010</a>
02	Dr.B.S.N.Murthy	Analysis of fuzzy dynamics of SEIP COVID-19 Disease model	Springer proceeding in complexity	2213-8684	1399-1408.	Scopus	<a href="https://link.springer.com/chapter/10.1007/978-3-030-99792-2_119">https://link.springer.com/chapter/10.1007/978-3-030-99792-2_119</a>
03	Dr.B.S.N.Murthy	Modeling simulation of SIR PC infection spreading model with fuzzy parameters.	Communication and intelligent systems	2367-3389	August 2022 1119-1135	Scopus	<a href="https://link.springer.com/chapter/10.1007/978-981-19-2130-8_86">https://link.springer.com/chapter/10.1007/978-981-19-2130-8_86</a>
04	Dr.B.S.N.Murthy	Fuzzy analysis of SVIRS Disease system with holling type saturated incidence rate and saturated treatment.	Mathematical problems in engineering	15635147	Volume 2022 Pages	Scopus	<a href="https://doi.org/10.1155/2022/1330875">https://doi.org/10.1155/2022/1330875</a>

05	Dr.A.Ramakrishna	Effects of Zn <sup>2+</sup> substitution on the structural, morphological, DC electrical resistivity, permeability and magnetic properties of Co <sub>0.5</sub> Cu <sub>0.5-x</sub> Zn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoferrite	Applied Physics A	0947-8396	129;61(2023)	SCI	<a href="https://link.springer.com/article/10.1007/s00339-022-06298-y">https://link.springer.com/article/10.1007/s00339-022-06298-y</a>
06	Dr.A.Ramakrishna	Synthesis and Characterization: MXene-Ferrite Nanocomposites and their application for Dying and Shielding	Inorganic Chemistry Communications	1387-7003	Vol 148 110319	SCI	<a href="http://dx.doi.org/10.1016/j.inoche.2022.110319">http://dx.doi.org/10.1016/j.inoche.2022.110319</a>
07	Dr.A.Ramakrishna	Structural and Magnetic Properties Study of Gd <sup>3+</sup> /G- Cobalt Nanocomposite	Biointerface research in applied chemistry	20695837	Volume 13, Issue 5, 2023, 464	Scopus	<a href="https://biointerfaceresearch.com/wp-content/uploads/2023/01/BRIAC135.464.pdf">https://biointerfaceresearch.com/wp-content/uploads/2023/01/BRIAC135.464.pdf</a>
08	Dr.Raghavendra Vemuri	Effect of Sm <sup>3+</sup> substitution on dc electrical resistivity and magnetic properties of Ni-Co ferrites	Journal of the Indian Chemical Society	2667-2847	Vol:99 Issue:8 August 2022	SCI	<a href="https://doi.org/10.1016/j.jics.2022.100623">https://doi.org/10.1016/j.jics.2022.100623</a>
09	Dr.Raghavendra Vemuri	Effect of duty cycle variation on Nickel electrodeposits at 10 Hz frequency	Chemical data collections	2405-8300	Vol: 41 October 2022	SCI	<a href="https://doi.org/10.1016/j.cdc.2022.100927">https://doi.org/10.1016/j.cdc.2022.100927</a>
10	Dr.Raghavendra Vemuri	Al <sup>3+</sup> and Cr <sup>3+</sup> co substituted NiZnCo nano ferrites : Synthesis and structural properties	IOP Conference Series: Materials Science and Engineering	1755-1315	1233 012010	Scopus	10.1088/1757-899X/1233/1/012010

11	Dr.Raghavendra Vemuri	Influence of Mg <sup>2+</sup> and Ce <sup>3+</sup> substituted on synthesis, structural, morphological, electrical, and magnetic properties of cobalt nano ferrites	Inorganic Chemistry Communications	1387-7003	Vol:149 March 2023 110405	SCI	<a href="https://doi.org/10.1016/j.inoche.2023.110405">https://doi.org/10.1016/j.inoche.2023.110405</a>
12	Dr Raghavendra Vemuri	Cu <sup>2+</sup> substituted Mg-Co ferrite has improved dc electrical resistivity and magnetic properties	Inorganic Chemistry Communications	1387-7003	Vol:149 March 2023 110452	SCI	<a href="https://doi.org/10.1016/j.inoche.2023.110452">10.1016/j.inoche.2023.110452</a>
13	Dr.M.Nookaraju	Evaluation of anti-microbial and anti-fungal Activities of Nano-TiO <sub>2</sub> Assembled with Graphene Composites	Middle east journal of Applied Science and Technology	2582-0974	Vol 5 Issue 4 5-12	UGC	<a href="https://mejast.com/evaluation-of-anti-microbial-and-anti-fungal-activities-of-nano-tio2-assembled-with-graphene-composites.html">https://mejast.com/evaluation-of-anti-microbial-and-anti-fungal-activities-of-nano-tio2-assembled-with-graphene-composites.html</a>
14	Dr.N.Rajeswara Rao	Carcinogenic chromium (VI) sensing using swelling characteristics of hydrogel on Fiber Bragg grating	Sensing and Imaging	15572064	23(1)	SCI	<a href="https://link.springer.com/article/10.1007/s11220-022-00396-0">https://link.springer.com/article/10.1007/s11220-022-00396-0</a>

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