DEPARTMENT OF HUMANTIES AND BASIC SCIENCES

RESEARCH PUBLICATIONS

ACADEMIC YEAR: 2021-22

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	Mathematical transmission analysis of SEIR tuberculosis disease model	Sensors International	26663511	26 July 2021 2(2021) 100120	SCI	https://www.sciencedirect.com/science/article/pii/S2666351121000413?via%3Dihub
02	Dr.A.Ramakrishna	Effect of Cu 2+ substitution on structure, morphology, and magnetic properties of Mg-Zn spinel ferrite	Indian Journal of Science and Technology	**0974-5645**	Aug 2021 **14(27):1-8**	SCI	DOI: 10.17485/IJST/v14i27.527
03	Dr.A.Ramakrishna	Microstructural, thermal, electrical, and magnetic analysis of Mg 2+ substituted Cobalt ferrite	Applied Physics A	0947-8396	**December 2021 126:873**	SCI	https://link.springer.com/article/10.1007/s00339-020-04048-6
04	Dr.A.Ramakrishna	Theoretical investigation of structural, electronic, dielectric and optical characteristics of cubic perovskite BaCeO3	Processing and Applications of ceramics	2406-1034	January 2022	SCI	DOI: 10.2298/PAC2104351M

05	Dr.A.Ramakrishna	Structural, dielectric and magnetic properties of Nickel-Chromium substituted Magnesium ferrites, Mg1–Ni Fe2-xCrxO4 ($0 \leq x \leq 0.7$)	Inorganic Chemistry Communications	1879 0259	April 2022 Vol 138 109289	SCI	DOI: 10.1016/j.inoche.2022.109289
06	Dr Raghavendra V	Synthesis, microstructural and magnetic properties of Cu doped Mg 0.5 Zn 0.5 Fe 2 O 4 ferrites	Solid State Technology	0038-111X	64(2):7192-7200 June 2021	Scopus	http://solidstatetechnology.us/index.php/JSST/article/view/10932
07	Dr Raghavendra V	Effect of Cu substitution on magnetic and DC electrical resistivity properties of Ni-Zn nanoferrites	Journal of Materials Science: Materials in Electronics	0957 -4522	June 2021 **32(14)**	SCI	DOI: 10.1007/s10854-021-06127-7
08	Dr Raghavendra V	Synthesis, structural and antibacterial activity of pure, Fe doped, and glucose capped ZnO nanoparticles	Surfaces and interfaces	2468 0230	Vol 20 ovtober 2021 101327	SCI	https://doi.org/10.1016/j.surfin.2021.101327
09	Dr Raghavendra V	Influence of Cr3+-substituted Co0.7Cu0.3Fe2-xCrxO4 nanoferrite on structural, morphological, dc electrical resistivity and magnetic properties	Applied Physics A	1432 0630	127 (8) July 2021	SCI	10.1007/s00339-021-04750-z
10	Dr Raghavendra V	Structural and modulus spectroscopy studies of Bi0.5(Na0.8K0.2)0.5TiO3 nano-polycrystalline ceramic	Journal of Australian ceramic society	2510 1579	Oct 2021 58 ; 83-91	SCI	DOI: 10.1007/s41779-021-00666-2

Faculty in charge **HOD**