

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	https://doi.org/10.3390/fractalfract7010010
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	https://link.springer.com/chapter/10.1007/978-3-030-99792-2_119
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	https://link.springer.com/chapter/10.1007/978-981-19-2130-8_86
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	https://doi.org/10.1155/2022/1330875

05	Dr.A.Ramakrishna	Effects of Zn ²⁺ substitution on the structural, morphological, DC electrical resistivity, permeability and magnetic properties of Co _{0.5} Cu _{0.5-x} Zn _x Fe ₂ O ₄ nanoferrite	Applied Physics A	0947-8396	129;61(2023)	SCI	https://link.springer.com/article/10.1007/s00339-022-06298-y
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	http://dx.doi.org/10.1016/j.inoche.2022.110319
07	Dr.A.Ramakrishna	Structural and Magnetic Properties Study of Gd ³⁺ /G- Cobalt Nanocomposite	Biointerface research in applied chemistry	20695837	Volume 13, Issue 5, 2023, 464	Scopus	https://biointerfaceresearch.com/wp-content/uploads/2023/01/BRIAC135.464.pdf
08	Dr.Raghavendra Vemuri	Effect of Sm ³⁺ 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	https://doi.org/10.1016/j.jics.2022.100623
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	https://doi.org/10.1016/j.cdc.2022.100927
10	Dr.Raghavendra Vemuri	Al ³⁺ and Cr ³⁺ 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 ²⁺ and Ce ³⁺ substituted on synthesis, structural, morphological, electrical, and magnetic properties of cobalt nano ferrites	Inorganic Chemistry Communications	1387-7003	Vol:149 March 2023 110405	SCI	https://doi.org/10.1016/j.inoche.2023.110405
12	Dr Raghavendra Vemuri	Cu ²⁺ substituted Mg-Co ferrite has improved dc electrical resistivity and magnetic properties	Inorganic Chemistry Communications	1387-7003	Vol:149 March 2023 110452	SCI	10.1016/j.inoche.2023.110452
13	Dr.M.Nookaraju	Evaluation of anti-microbial and anti-fungal Activities of Nano-TiO ₂ Assembled with Graphene Composites	Middle east journal of Applied Science and Technology	2582-0974	Vol 5 Issue 4 5-12	UGC	https://mejast.com/evaluation-of-anti-microbial-and-anti-fungal-activities-of-nano-tio2-assembled-with-graphene-composites.html
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	https://link.springer.com/article/10.1007/s11220-022-00396-0
15	T. Neelima	Fostering Language Learning In English For Specific Purposes Learners: An Integrated Approach	IJMER	2277-7881	ISSUE:3(2); 96-104	UGC	DOI: http://ijmer.in.doi./2023/12.03.38
16	T. Neelima	Integrating Language Skills to Teach English: An Empirical Study	RJOE	2456-2696	8(1); 309-315	UGC	DOI:10.36993/RJOE.2023.8.1.315

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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	2666 3511	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, $Mg_{1-x}Ni_xFe_2O_4$ ($0 \leq x \leq 0.7$)	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 $Mg_{0.5}Zn_{0.5}Fe_2O_4$ ferrites	Solid State Technology	0038-111X	64(2):71 92-7200 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	<u>Journal of Materials Science: Materials in Electronics</u>	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 October 2021 101327	SCI	https://doi.org/10.1016/j.surfin.2021.101327
09	Dr Raghavendra V	Influence of Cr^{3+} -substituted $Co_{0.7}Cu_{0.3}Fe_{2-x}Cr_xO_4$ 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 $Bi_{0.5}(Na_{0.8}K_{0.2})_{0.5}TiO_3$ nanopolycrystalline ceramic	Journal of Australian ceramic society	2510 1579	Oct 2021 58 ; 83-91	SCI	DOI: 10.1007/s41779-021-00666-2

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DEPARTMENT OF HUMANITIES & BASIC SCIENCES

RESEARCH PUBLICATIONS

ACADEMIC YEAR: 2020-21

Sl. No.	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol/Month	SCIE/UGC/Scopus	URL/DOI
1	Dr.A.Rama Krishna	Synthesis, Micro-structural and vibrational studies of Nb doped Lithium Titanate Anode Materials for Lithium-ion Batteries	Solid state technology	0038 -111X	Vol 6 2020	Scopus	https://solidstatetechnology.us/index.php/JSST/article/view/8787
2	Dr.A.Rama Krishna	Magnetic and DC Electrical Resistivity Properties of Cu doped Mg _{0.6-x} Ni _{0.4} Cu _x Fe ₂ O ₄ Ferrite	Solid state technology	0038 -111X	Vol 5 2020	Scopus	https://solidstatetechnology.us/index.php/JSST/article/view/8787
3	Dr.Raghavendra Vemuri	Effect of Cr ³⁺ substitution on dc electrical resistivity and magnetic properties of Cu _{0.7} Co _{0.3} Fe _{2-x} Cr _x O ₄ ferrite nanoparticles prepared by sol-gel auto combustion method	Results in Physics	2211-3797	Vol 24 May 2021	SCI	https://doi.org/10.1016/j.rinp.2021.104117

4	Dr.Raghavendra Vemuri	Effect of Cu substitution on magnetic and DC electrical resistivity properties of Ni-Zn nano ferrites	Journal of Materials Science: Materials in Electronics	1573-482X	June 2021	SCI	10.1007/s10854-021-06127-7
5	Dr.Raghavendra Vemuri	Synthesis, Structural and antibacterial activity of pure Fe doped and glucose capped ZnO nano particles	Surfaces and Interfaces	2468-0230	Oct 2021	SCI	https://doi.org/10.1016/j.surfin.2021.101327
6	Dr.Raghavendra Vemuri	Influence of Cr ³⁺ -substituted Co _{0.7} Cu _{0.3} Fe _{2-x} Cr _x O ₄ nanoferrite on structural, morphological, dc electrical resistivity and magnetic properties	Applied Physics A: Materials Science & Processing	1432-0630	July 2021	SCI	https://doi.org/10.1007/s00339-021-04750-z
7	Dr.A.Rama Krishna	Evaluation of micro-structural and magnetic properties of nickel nano-ferrite and Mn ²⁺ substituted nickel nano-ferrite	Physica B: Condensed Matter	0921-4526	Volume 620, November 2021,	SCI	https://doi.org/10.1016/j.physb.2021.413264
8	Dr.A.Rama Krishna	Micro-structural, dielectrical and magnetic properties of Cu ²⁺ substituted Ni _{0.7} Mn _{0.3-x} Cu _x Fe ₂ O ₄ (x=0.0,0.05,0.1,0.15 and 0.2) nano-ferrites	Journal of Magnetism and Magnetic Materials	0304-8853	Volume 540 Dec 2021	SCI	https://doi.org/10.1016/j.jmmm.2021.168464

9	Dr.B.S.N.Murthy	Mathematical transmission analysis of SEIR tuberculosis disease model	Sensors International	2666-3511	Volume 2 2021	SCI	https://doi.org/10.1016/j.sintl.2021.100120
10	Dr.Raghavendra Vemuri	Structural and modulus spectroscopy studies of Bi _{0.5} (Na _{0.8} K _{0.2}) _{0.5} TiO ₃ nano-polycrystalline ceramics	Journal of the Australian Ceramic Society	0004-881x	October 2021	SCI	https://doi.org/10.1007/s41779-021-00666-2
11	Dr.N.Rajeswara Rao	Electron Beam Radiation Modification on Chemical, Thermal and Crystalline Properties of Poly (L-lactic acid)	Indian Journal of Pure & Applied Physics	0975-1041	Volume 59 October 2021	Scopus	http://nopr.niscair.res.in/handle/123456789/58308
12	Dr.N.Rajeswara Rao	Detection of copper by localized surface Plasmon resonance based fiber optic technique	SPIE	1996-756X	April 2021	Scopus	https://doi.org/10.1117/12.2589085
13	Dr.N.Rajeswara Rao	Carcinogenic chromium (VI) sensing using swelling characteristics of hydrogel on Fiber Bragg grating	SPIE	1996-756X	October 2021	Scopus	https://doi.org/10.1117/12.2615862

14	Dr.N.Rajeswara Rao	Multi U-bent cladde POF sensors for refractive index measurement	SPIE	1996-756X	April 2021	Scopus	https://doi.org/10.1117/12.2589198
15	Dr.N.Rajeswara Rao	Monitoring of pH by using stimulus responsive hydrogel and Fiber Bragg grating for bioreactor application	SPIE	1996-756X	October 2021	Scopus	https://doi.org/10.1117/12.2615861
16	Dr.A.Rama Krishna	An experimental investigation on effect of durability on strength properties of M40 grade concrete with partial replacement of sand with copper slag	Materials Today: Proceedings	2214-7853	April 2021	Scopus	https://doi.org/10.1016/j.matpr.2020.09.767
17	Dr.A.Rama Krishna	Microstructural Impedence and conductivity studies of magnecium doped Lithium Titanate Materials for Li-ion Batterries	Materials Today: Proceedings	2214-7853	April 2021	Scopus	https://www.sciencedirect.com/science/article/pii/S2214785320370814?via%3Dihub
18	Dr.A.Rama Krishna	Synthesis, characterization and electrical studies on Nb substituted L 4Ti 5012 anode materials for Li ion batteries	Materials Today: Proceedings	2214-7853	April 2021	Scopus	https://www.sciencedirect.com/science/article/pii/S2214785320370814?via%3Dihub

19	Dr.Raghavendra Vemuri	Cadmium substitution effect on structural, electrical and magnetic properties of Ni-Zn nano ferrites	Results in Physics	2211-3797	December 2020	SCI	https://www.sciencedirect.com/science/article/pii/S2211379720319434
20	Dr.Raghavendra Vemuri	Optical and luminescence properties of pure, iron-doped, and glucose capped ZnO nano particles	Results in Physics	2211-3797	December 2020	SCI	https://doi.org/10.1016/j.rinp.2020.103508
21	Dr. Raghavendra Vemuri	Effect of cr substitution on magnetic properties of co-cu Nano Ferrites	Solid State Technology	0038-111X	Vol 63 2020	Scopus	http://solidstatetechnology.us/index.php/JSST/article/view/7828
22	Mr.G.B.C.Mouli	On Spectral Relaxation Approach for Thermal Diffusion and Diffusion Thermo Effects on Viscous Dissipative Casson Fluid Through a Stretched Surface	International Journal of Applied and Computational Mathematics	2199-5796	November 2020	SCI	https://doi.org/10.1007/s40819-020-00916-0
23	Dr.A.Rama Krishna	Biologically synthesized silver nano particles from shoreal Robusta L, Plant and associated antibacterial property	Materials Today :Proceedings	2214-7853	Decemeber20 20	Scopus	https://doi.org/10.1016/j.matpr.2020.10.610
24	Dr.A.Rama Krishna	Anticancer and antibacterial activity of green synthesized silver nanoparticles using Adina cordifolia	Materials Today: Proceedings	2214-7853	Novemeber 2020	Scopus	https://doi.org/10.1016/j.matpr.2020.10.043

25	Dr.A.Rama Krishna	Microstructural, thermal, electrical and magnetic analysis of Mg substituted Cobalt ferrite	Applied Physics	1432-0630	December 2020	SCI	https://doi.org/10.1007/s00339-020-04048-6
26	Dr.A.Rama Krishna	Microstructural and electric properties of Mg. substituted Li ₄ Ti ₅ O ₁₂ synthesized by ceramic method	AIP Conference Proceedings	1551-7616	October 2020	Scopus	https://aip.scitation.org/doi/10.1063/5.0019597
27	Dr.Raghavendra Vemuri	Structural optical luminescence properties of pure ,Fe doped and glucose capped cdo semiconductor nanoparticles and their anti bacterial activity	Journal of material science: Material in electronics	3920-3928	Jan 2021	SCi	https://doi.org/10.1007/s10854-020-05135-3
28	Dr.J.M.Kanthi Tilaka	Female identity in Anees Jung seven sisters	Solid state technology	0038-111X	Vol 63 (2020)	Scopus	http://solidstatetechnology.us/index.php/JSST/article/view/1380

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Sl. No.	Name of the Faculty/ Author	Title of the Paper	Name of the Journal	ISBN/ ISSN Number	Vol/ Month	SCIE/ SCI UGC/ Scopus	URL/DOI
01	Dr.A.Rama Krishna	Mechanical and Microstructural characterization nickel electroplated 4 metal matrix composites	Materials Today: Proceedings	2214-7853	March 2020	Scopus	https://www.sciencedirect.com/science/article/pii/S2214785320309822?via%3Dihub
03	Dr A.Rama Krishna	Synthesis, structural, dielectric and magnetic properties of cobalt ferrite nanomaterial prepared by sol-gel autocombustion technique	Physica B: Physics of Condensed Matter	0921-4526	March 2020	SCI	https://www.sciencedirect.com/science/article/abs/pii/S0921452619306684
03	Dr.Raghavendra Vemuri ,	Effect of Zn – Cr Substitution on the Structural, Magnetic and Electrical Properties of Magnesium Ferrite Materials	Physica B: Condensed Matter	2250-2130	November 2019	SCI	https://www.sciencedirect.com/science/article/abs/pii/S0921452619304995
04	Dr.Raghavendra Vemuri	Synthesis, Structural and Magnetic properties of SrFe ₁₂ O ₁₉ Hexaferrites	International Journal of Scientific & Technology Research	2277-8616	December 2019	Scopus	https://www.ijstr.org/final-print/dec2019/Synthesis-Structural-And-Magnetic-Properties-Of-Srfe12o19-Hexaferrites.pdf
05	Mr.G.B.C.Mouli	On spectral relaxation approach for soret and dufour effects on Sutterby fluid past a stretching sheet	International Journal of Ambient Energy	0143-0750	August 2019	Scopus	https://www.tandfonline.com/doi/full/10.1080/01430750.2019.1653976

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