



S.K.R. & S.K.R. Govt. College for Women (Autonomous), Kadapa.
Reaccredited with 'B' Grade by NAAC
Y.S.R.Kadapa District – 516001, Andhra Pradesh

Department Activities 2021-22
Dept. of Physics
Research Publications (Refereed Journals)
Dr.M.V.Ramanaiah, Reader in Physics

S.No.	Title with Page No.	Journal	ISSN/ISBN No. & Impact Factor	Date & Period
1	Emission analysis of RE^{3+} (RE= Sm, Dy):B ₂ O ₃ -TeO ₂ -Li ₂ O-AlF ₃ glasses 28 , 162-168 (2013) C.Nageswara Raju, S.Sailaja, S.Pavan Kumari, S.J.Dhoble, V.Ramesh Kumar, M.V.Ramanaiah and B.Sudhakar Reddy	Luminescence	1522-7243 IF : 1.675	2013
2	Optical and EPR Spectra investigations on smithsonite mineral 159 , 141-147(2004) B.J.Reddy, J.Yamauchi, R.V.S.S.N..Ravi Kumar, A.V.Chandra Sekhar and M.Venkata Ramanaiah	Radiation Effects and Defects in Solids	1042-0150 IF : 0.51	2004
3	Optical and EPR Spectra of iron bearing phosphate minerals : Satterlyite, gormanite from Yukon Territory, Canada 59A , 2115-2121(2003) A.V.Chandra Sekhar, M.Venkata Ramanaiah, B.J.Reddy, Y.P.Reddy, P.S.Rao and R.V.S.S.N.Ravi Kumar	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	1386-1425 IF : 2.098	2003
4	Optical and EPR Spectra of Ti^{3+} in lamprophyllite from Kola Peninsula, Russia 2002(3) , 138-144(2002) B.J.Reddy, Jun Yamauchi, Y.P.Reddy, R.V.S.S.N..Ravi Kumar, A.V.Chandra Sekhar and M.Venkata Ramanaiah	Neues Jahrbuch fur Mineralogie Monatshefte	0028-3649 IF : 0.875	2002
5	Electronic spectra of nickel doped CAPH crystals 9 , 391-394 (2000) R.V.S.S.N..Ravi Kumar, M.Venkata Ramanaiah, B.J.Reddy and Y.P.Reddy	Asian Journal of Physics	0971-3093	2000
6	Tetrahedral site of Cu(II) in bornite and bournonite 216, 27-34 (1998)	Ferroelectrics	0015-0193 IF : 0.47	1998

	M.Venkata Ramanaiah, R.V.S.S.N..Ravi Kumar, A.V.Chandra Sekhar, B.J.Reddy, Y.P.Reddy and P.S.Rao			
7	Electronic spectra of pseudomalachite and olivenite 35 , 71-72 (1997) A.V.Chandra Sekhar, M.Venkata Ramanaiah, R.V.S.S.N..Ravi Kumar, B.J.Reddy and Y.P.Reddy	Indian Journal of Pure and Applied Physics	0975-1041 IF : 0.766	1997
8	Mn ²⁺ and Fe ²⁺ impurities in ardennite by spectroscopic investigations 34 , 193-196 (1996) A.V.Chandra Sekhar, M.Venkata Ramanaiah, B.J.Reddy, and P.S.Rao	Indian Journal of Pure and Applied Physics	0975-1041 IF : 0.766	1996
9	Electronic and Vibrational absorption spectra in nickelblodite 70B , 87-92 (1996) M.Venkata Ramanaiah, G.Srinivasulu, R.V.S.S.N.Ravi Kumar, S.Vedanand and B.J.Reddy	Indian Journal of Physics	0974-9845 IF : 1.377	1996
10	Detailed Spectroscopic Studies on Cornetite from Southern Shaba, Zaire 175 , 175-182 (1996) M.Venkata Ramanaiah, R.V.S.S.N.Ravi Kumar, G.Sreenivasulu and B.J.Reddy	Ferroelectrics	0015-0193 IF : 0.728	1996
11	Blue And Green Emitting Lanthanum Hexaaluminate Phosphors Doped With Transition Metal And Rare Earth Ions Display Applications J.Lakshmana Rao, M.V.Ramanaiah, B. Sudhakar Reddy	Proceedings of UGC Sponsored National Conference on Recent Trends in Material Science (RTMS-2015)	ISBN 978-93-85100-11-6	March, 2015
12	Luminescence Properties of Tm ³⁺ Ions Doped Barium Gadolinium Titanate Ceramics S. Hemasundara Raju, M.V.Ramanaiah, B. Sudhakar Reddy, K.Thyagarajan, B.Muni Sudhakar, C.Nageswara Raju.	Proceedings of UGC Sponsored National Conference on Recent Trends in Material Science (RTMS-2015)	ISBN 978-93-85100-11-6	March, 2015
13	“Values, Education and Human Rights : Challenges and Suggestions”	Conference Proceedings of on Human Rights Through the Ages – Challenges in the Present Scenario.	978 – 93 – 86251 – 48 - 0	2017

14	“Torture through the ages : Jallikattu – Animal Rights and the Cultural Argument”	Conference Proceedings of on Human Rights Through the Ages – Challenges in the Present Scenario.	978 – 93 – 86251 – 48 - 0	2017
15	Spectroscopic properties of Dy ³⁺ -doped alkali and mixed alkali borosilicate glasses B. Naveen Kumar Reddy, S. Sailaja, K. Thyagarajan, M. V. Ramanaiah & B. Sudhakar Reddy Ferroelectrics, 531(1), 51-61 https://doi.org/10.1080/00150193.2018.1497408	Ferroelectrics	ISSN: 0015-0193 (Print) 1563-5112 (Online) IF : 0.728	2018
16	OPTICAL PROPERTIES OF Eu ³⁺ & Tb ³⁺ : TeO ₂ - B ₂ O ₃ - P ₂ O ₅ -CdO GLASSES M.V.Ramanaiah, B.Sudhakar Reddy JETIR May 2018, Volume 5, Issue 5, 165-173	JETIR (Journal of Emerging Technologies and Innovative Research)	www.jetir.org (ISSN-2349-5162) IF :5.87	2018
17	SYNTHESIS AND CHARACTERIZATION OF ZnO- PVA NANOPOLYMER G.S.C.Bose, M. Venkata Ramanaiah, G. Naga Lakshmi, R.V.S.S.N. Ravikumar JETIR May 2018, Volume 5, Issue 5, 332-336	JETIR (Journal of Emerging Technologies and Innovative Research)	www.jetir.org (ISSN-2349-5162) IF :5.87	2018
18	SOME ASPECTS OF THE CONVECTIVE BOUNDARY LAYER STRUCTURE OVER COMPLEX TERRAIN IN TROPICAL SEMIARID REGIONS OF RAYALASEEMA T.Rajitha Madhu Priya, K.Krishna Reddy, M.Venkata Ramanaiah and Ashok Kumar Sharma IJCAR, Volume 7; Issue 5(L); May 2018, 13082-13087 DOI : http://dx.doi.org/10.24327/ijcar.2018.13087.2320	International Journal of Current Advanced Research (IJCAR)	ISSN: O: 2319-6475, ISSN: P: 2319-6505 Impact Factor : 6. 614	May 2018
19	OPTICAL AND EPR STUDIES OF VO ²⁺ IONS DOPED ZnS-CdS COMPOSITE NANOPARTICLES J. Madhavi, C. Subramanyam, G.S.C. Bose, M. Venkata Ramanaiah and R.V.S.S.N. Ravikumar Rasayan J. of Chemistry, Vol. 11 No. 3 1236 - 1243 July - September 2018 http://dx.doi.org/10.31788/RJC.2018.1134016	Rasayan J. of Chemistry	ISSN: 0974-1496 e-ISSN: 0976-0083 CODEN: RJCABP IF : 0.29	2018

20	Investigation On Spectroscopic Properties Of CO ₂ + Doped CdSe Nanopolymer B Sekha, C Subramanyam, GSC Bose, M Venkata Ramanaiah, and RVSSN Ravikumar July–August 2018 RJPBCS 9(4) Page No. 798	RJPBCS (Research Journal of Pharmaceutical Biological and Chemical Sciences)	ISSN: 0975-8585 IF :0.35	2018
21	MHD Stagnation Point Flow of A MICROPOLAR Fluid over a Stretching Surface with Heat Source/Sink, Chemical Reaction and Viscous Dissipation. M.Sreedhar Babu, M. Lavanya, M.V.Ramanaiah International Journal of Engineering Inventions, Volume 3, Issue 10 (May 2018) PP: 15-26	International Journal of Engineering Inventions (IJEI)	e-ISSN: 2278-7461, p-ISSN: 2319-6491 IF : 10.1	2018
22	Hall Current And Dufour Effects On Mhd Flow Of A Micropolar Fluid Past A Vertical Plate In The Presence Of Radiation Absorption And Chemical Reaction M. Sreedhar Babu, M.V. Ramanaiah IOSR Journal of Mathematics (IOSR-JM) Volume 10, Issue 4 Ver. I (June 2018), PP 106-121	IOSR Journal of Mathematics (IOSR-JM)	e-ISSN: 2278-5728, p-ISSN: 2319-765X IF :3.97	June, 2018
23	Spectral Analysis Of Sm ³⁺ And Dy ³⁺ Ions Doped Cadmium Lead Boro Aluminium Fluoride Glasses B.Suneetha, S. Sailaja, G.Moulika, M.Venkata Ramanaiah, B. Sudhakar Reddy JETIR December 2018, Volume 5, Issue 12	JETIR December 2018	ISSN-2349-5162 IF :5.87	Dec,2018