



**VIGNAN'S LARA**

**INSTITUTE OF TECHNOLOGY & SCIENCE**

Approved by AICTE New Delhi & Affiliated to JNTUK Kakinada  
Vadlamudi - 522 213, Guntur District

**Research Journal Publications during Last Five Years in BS&H Department**

S.No	Title of paper	Name of the author/s	Name of journal	Year	ISSN
1	Near -IR luminescence in Nd <sup>3+</sup> ions doped Na <sub>2</sub> -BaF <sub>2</sub> -CaF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> -TeO <sub>2</sub> Glasses for 1064nm laser and fiber amplifiers applications	AS Rao, V Murali Krishna, Sk Mahamuda, P Sailaja, K Swapna, M. Venkateswarlu, Ch.B.Annapurna Dev	Journal of non crystalline Solids	2022	1873-4812
2	Coincidence Point Results in Ordered Metric Spaces and its Application	N. Seshagiri Rao, K. Kalyani, K. Prasad	PUNJAB UNIVERSITY JOURNAL OF MATHEMATICS	2022	1016-2526
3	Narrow-band ultraviolet B (UVB) emitting CaZr <sub>4</sub> (PO <sub>4</sub> ) <sub>6</sub> doped with Gd <sup>3+</sup> phosphor	Vijay Singh, Ch B Annapurna Devi, BRV Rao, AS Rao, N Singh, Bhupendra M Mistry	International Journal for Light and Electron Optics	2021	0030-4026
4	Green emission of Er <sup>3+</sup> -doped Sr <sub>2</sub> La <sub>8</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> obtained by a sol-gel method	Vijay Singh, Ch B Annapurna Devi, Sumandeep Kaur, AS Rao, Neelam Singh	International Journal for Light and Electron Optics	2021	0030-4026

5	Luminescence properties of Sm <sup>3+</sup> doped LaP <sub>3</sub> O <sub>9</sub> phosphors	Vijay Singh, Arti Yadav, Ch B Annapurna, AS Rao, Neelam Singh	International Journal for Light and Electron Optics	2021	0030-4026
6	Optical properties of Sr <sub>2</sub> La <sub>8</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> doped with Ho <sup>3+</sup> phosphor	Vijay Singh, Ch B Annapurna Devi, Sumandeep Kaur, AS Rao, Neelam Singh	International Journal for Light and Electron Optics	2021	0030-4026
7	NIR photoluminescence studies of Nd <sup>3+</sup> doped B <sub>2</sub> O <sub>3</sub> –BaF <sub>2</sub> –PbF <sub>2</sub> –Al <sub>2</sub> O <sub>3</sub> glasses for 1.063 μm laser applications	Rani, P.R., Venkateswarlu, M., Swapna, K., Mahamuda, S., Talewar, R.A., Annapurna Devi, C.B., Rao, A.S.	Journal of Luminescence	2021	0022-2313
8	Spectral characterization of Dy <sup>3+</sup> ions doped phosphate glasses for yellow laser applications	Sk Mahamuda, Farooq Syed, Ch B Annapurna Devi, K Swapna, MVVKS Prasad, M Venkateswarlu, AS Rao	Journal of Non-Crystalline Solids	2021	0022-3093
9	Cattaneo–Christov heat flux theory on transverse MHD Oldroyd-B liquid over nonlinear stretched flow	Mr. K. Venkata Ramana	Journal of Thermal Analysis and Calorimetry	2021	1588-2926
10	Thermal slip flow of a three-dimensional Casson fluid embedded in a porous medium with internal heat	K. Venkata Ramana	Journal of Nanofluids	2020	2169-432X

	generation				
11	Narrowband ultraviolet B emitting Gd <sup>3+</sup> activated NaSrPO <sub>4</sub> phosphor prepared by co-precipitation method	Dr. Ch. B. Annapurna Devi	International Journal for Light and Electron Optics	2020	0030-4026
12	Enhancing Speaking Skills among Engineering Students using Role-play activities	G.Anuradha	Journal of Critical Reviews	2020	2394-5125
13	Internal heat generation on bioconvection of an MHD nanofluid flow due to gyrotactic microorganisms	K.Venkata Ramana	The European Physical Journal Plus	2020	2190-5444
14	Enhanced magnetic properties of Fe <sup>3+</sup> doped ZnS nanocrystals via low temperature co-precipitation: spintronic and nano-device applications	G V S S Sarma	Physica Scripta	2020	0031-8949
15	A computational investigation of the influence of acceptor moieties on photovoltaic performances and adsorption onto the TiO <sub>2</sub> surface in triphenylamine-based dyes for DSSC	SudipMandalabGanapati RaoKandregulabVenkata Naga BajiTokalac	Journal of Photochemistry and Photobiology A: Chemistry	2020	1010-6030

	application				
16	Synthesis, anti-cancer evaluation and molecular docking studies of aryl bisindole derivatives	IslavathuHattiaVenkata Naga BajiTokalab	Chemical Data Collections	2020	2405-8300
17	Distinguishing traditional language learning and immersive language learning in modern scenario	D. Suvarna Suni	Journal of critical reviews	2020	2394-5125
18	As an approach to hone oral communication skills through participatory action research (par)	Swatrhi Tekumalla	International Journal of Advanced Science and Technology	2020	2005-4238
19	Viscous Dissipation Effect on Heat Transfer through Nano Fluid in a Vertical Wavy Channel with Travelling Thermal Wave	P.Venkata Ramana	Trans Tech Publications Ltd, Switzerland	2020	2296-3642

20	Split Litact Domination in Graphs	Renuka Lakshmi	International Journal of Future Generation Communication and Networking	2020	2233-785
21	Structural and luminescence studies on TiO <sub>2</sub> -MoO <sub>3</sub> thin films	Kala, P.V., Srinivasarao, K.	Advanced Composites and Hybrid Materials	2019	2522-0128
22	Structural, optical and gas sensing properties of TiO <sub>2</sub> -MoO <sub>3</sub> thin films	Kala, P.V., Rao, B.T., Srinivasarao, K.	International Journal of Thin Film Science and Technology	2019	2090-9519
23	Application of Water balance technique in the Drought analysis of Guntur District, Andhra Pradesh	Ms.G S Srinivasa Gopinath	Pramana Research Journal	2019	2249-2976
24	Effect of Playing violent on line Games on Students using Combined Disjoint Blocked Fuzzy Cognitive Maps (CDBFCM)	G.Anusha	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075

25	The Affect of Employee Engagement Practices Towards Occupational Stress	G Mallika	International Journal of Recent Technology and Engineering	2019	2277-3878
26	Trends in Select Pharma Companies on Employee Engagement Practices	G Mallika	Journal of Advanced Research in Dynamical and Control Systems	2019	1943-023X
27	Solution of a Boundary Value Problem Involving I-Function and Struve's Function	B. V. Purnima	International Journal of Recent Technology and Engineering	2019	2277-3878
28	Strong Litact Domination in Graphs	Ms. A.Renuka Lakshmi	International Journal of Recent Technology and Engineering	2019	2277-3878
29	Heat Transfer Through Nano Fluid in a Vertical Wavy Channel with Travelling Thermal Waves	Mr.P.Venkataramana	International Journal of Mathematics Trends and Technology	2018	2231-5373

30	Solution of Boundary Value Problem Involving Struve's Function and I-Function	B. V. Purnima	Journal of Advanced Research in Dynamical and Control Systems	2018	1943-023X
31	Strong split Litact Domination in graphs	A. Renuka Lakshmi	Journal of Advanced Research in Dynamical and Control Systems	2018	1943-023X
32	Fuzzy Regular Subsemigroups of Partially Ordered Semigroups and Fuzzy Simple Partially Ordered Semigroups	P.Ramyalatha	Journal of Engineering Research and Application	2018	2248-9622
33	Completely Prime Fuzzy, Prime Fuzzy Ideal Of A Po Ternary Semigroup	P.Ramyalatha	Journal of Engineering Research and Application	2018	2248-9622
34	Fuzzy Identity, Fuzzy Zero of Po Semigroup and Completely Prime Fuzzy, Prime Fuzzy Ideal of Po Semigroup	Ms. P.Ramyalatha	International Journal of Mathematics Trends and Technology	2018	2231 -5373
35	Electricity a basic need for the human beings	Gopinath, G.S.S., Meher, M.V.K.	AIP Conference Proceedings	2018	0094-243X

36	Efficiency of dopant based silicon solar cells: An analytical study	Mehar, M.V.K., Rao, V.S., Suresh, P., Gopinad, G.S.	AIP Conference Proceedings	2018	0094-243X
37	A comparative study on dynamometer performance evaluation of fly ash containing organic and semi-metallic motorcycle disc brake pads	Tokala, V.N.B., Kanneganti, C., Kesana, N.	International Journal of Mechanical and Production Engineering Research and Development	2018	2249-6890
38	A stochastic model for three species	Suresh Kumar, Y., Seshagiri Rao, N., AppaRao, B.V.	International Journal of Engineering and Technology(UAE)	2018	2227-524X
39	Completely Semiprime Fuzzy Ideal And Fuzzy Filters Of PO Semigroup	Ms. P.Ramyalatha	International Journal of Engineering Science Invention	2018	2319 – 6734
40	Completely Semi Prime, Fuzzy Semiprime Ideals Of A Po Ternary Semigroup	P.Ramyalatha	International Journal of Engineering Science Invention	2018	2319 – 6734
41	Fuzzy Filters of a Partial Ordered Ternary Semigroup	P.Ramyalatha	IOSR Journal of Engineering (IOSRJEN)	2018	2250-3021
42	Thermal analysis of MHD electro-osmotic peristaltic pumping of Casson fluid through a rotating asymmetric micro-channel	K. Venugopal Reddy	Indian Journal of Physics	2018	0974-9845



43	On domination and total domination number of a collaboration graph	Ms.A. Renuka Lakshmi	International Journal of Advanced Intelligence Paradigms	2018	1982–2014
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