

Vasavi College of Engineering (A)

Department of Mathematics

Details of Research paper published between 23rd November 2022 to 15th March 2023

Publications

(a) Journals (International)

S. No .	Name of the Faculty	Month and Year of Publication	Title of the Paper	Name of the Journal	UGC/Scopus/SCI/SCIE / Others (Impact Factor)	Total number of Authors	First author / Supervisor/ Co-author	ISBN / ISSN number	Citation Index	h-index
1.	Dr. N Vasudha	February-2023	Assessing Effect of Economic Factors on Gold Prices in India using Multiple Linear Regression - A Case Study	Indian Journal of natural sciences	Web of Science	Single	NA	0976-0997		
		December-2022	Identification of Dominant Air Pollutants Over Hyderabad Using Principal Component Analysis (PCA)	Nature Environment and Pollution Technology	Scopus	2	First & Corresponding author	2395-3454		
2	Dr. T. Ramprasad	MARCH,2023	Post-Covid Housing Finance Industry Poised For Resurgence: An analysis	The Seybold Report	Scopus		Co-author (2 nd)	ISSN:15339211	Scopus	

3	R. HARI KISHORE	15th February 2023	A NOVEL HOMOMORPHIC AND MATRIX OPERATION FOR RANDOMIZATION ENCRYPTION SCHEMES FOR PRIVACY IN CLOUD COMPUTING ARCHITECTURE	Journal of Theoretical and Applied Information Technology	SCOPUS (0.59)	04	R. HARI KISHORE/ A. CHANDRA SEKHAR / PRAMODA PATRO / PRAGATHI CHAGANTI4	ISSN: 1992-8645		32
4	M Venkateshwar Rao	01.03.2023	Non linear instability analysis of internally heated convection in a porous layer with the impact of magnetic field and variable gravity	Heat Transfer	Web of Science	3	Co-author	Online ISSN:2688-4542		
		27.05.2023	Impact of variable gravity on rotating convection in a porous layer with an internal heat source	Mathematics in Engineering, Science and Aerospace	Scopus	5	First	ISSN:2041-3165 Vol 14 No 2 (2023)		12

(b) Journals (National)

S.No.	Name of the Faculty	Month and Year of Publication	Title of the Paper	Name of the Journal	UGC/Scopus/SCI/SCIE / Others (Impact Factor)	Total number of Authors	First author / Supervisor/ Co-author	ISBN / ISSN number	Citation Index	h-index
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(c) Conference

S.No.	Name of the Faculty	Title of the paper	Name of the conference	Duration of the conference	International / National	Location where the event is organized	Professional Body Involved in Publication (IEEE / Elsevier / Springer / etc., / Others) Department has to customize as per department professional bodies	Citation Index if available
1	Dr. N Vasudha	Telengana Air Pollution stations classification using HACA	2 nd International Conference on Cognitive and Intelligent Computing (ICCIC)	27-28 December 2022	International	Vasavi College of Engineering, Hyderabad, India.	Accepted for publication in “A Springer book series Cognitive Science and Technology”	
2	Dr. T. Ramprasad	Bianchi type-III Magnetized String model with Constant Decelerating Parameter in General Theory of Relativity	International Conference On Emerging Materials for Technological Applications ICEMTA - 2022	23-11-2022 TO 25-11-2022	International Conference	Vignan’s Institute of Information Technology(VIIT), Visakhapatnam	Paper has been accepted for publication in the Key Engineering Materials on February 2023. (SCOPUS INDEXED)	-
		Managing Working Capital: Does It Impact the Profitability of HFCs?	First International Conference on Impending Inquisitions in Humanities & Sciences(ICIHS-2022)	28-11-2022	International Conference	KL University, Hyderabad	-	-

(d) Text Book

S.No	Name of the Faculty	Title of the Book	Name of the Publisher	Month and Year of	ISBN/ISSN number	National or	Total number of Authors	First author
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				Publication		International		(YES/NO)
1	Dr.T.Ramprasad	QUEUING THEORY	RK PUBLISHERS	MARCH,2023	ISBN:978-81-962214-6-1	National	4	YES

e) Chapters in Books

S.No	Name of the Faculty	Title of the Book	Name of the Publisher	Month and Year of Publication	ISBN/ISSN number	National or International	Number of Chapters published	Total number of Authors	First author (YES/NO)

(Dr. N Vasudha)

Member, R & D and Consulting Committee

(Dr. T Sudhakar Rao)

HoD, Mathematics