



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University  
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in

Approved by Affiliated to UGC Autonomous 10 Programs Accredited by Grade A++ in All India Ranking 151-200 Band

COMMITTED TO RESEARCH, INNOVATION AND EDUCATION **46** years

## Department of Mechanical Engineering

### Summary sheet

#### Publication details

Academic year	2023-24	2022-23	2021-22	2020-21	2019-20
Number of publications	29	35	53	50	47

#### Academic year 2023-24

Indexed in	Number of publications
SCI indexed	11
Scopus indexed	20
Conference proceedings	6
Others	2
Books / Book chapters	1
Total number of publications	29

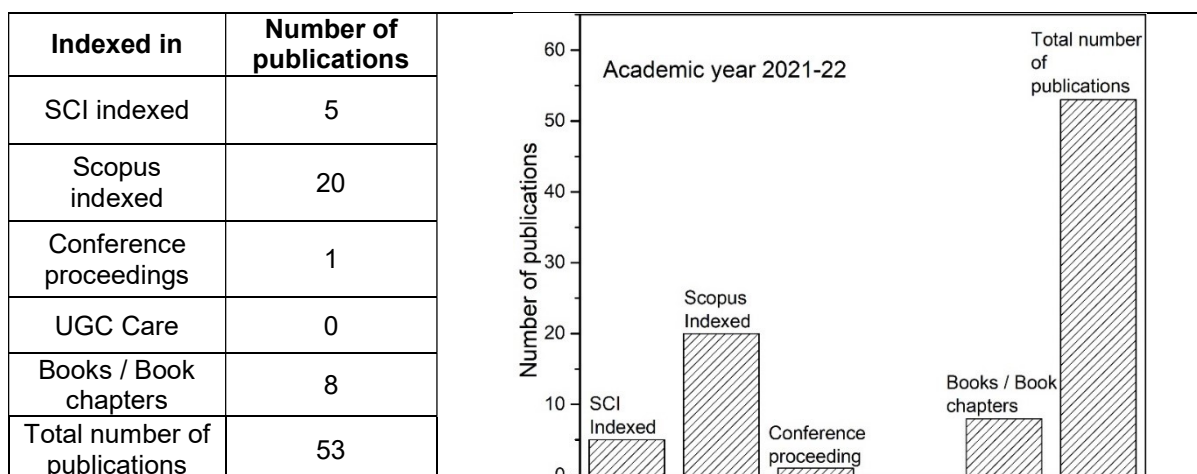
Category	Number of Publications
SCI Indexed	11
Scopus Indexed	20
Conference proceeding	6
Others	2
Books / Book chapters	1
<b>Total number of publications</b>	<b>29</b>

#### Academic year 2022-23

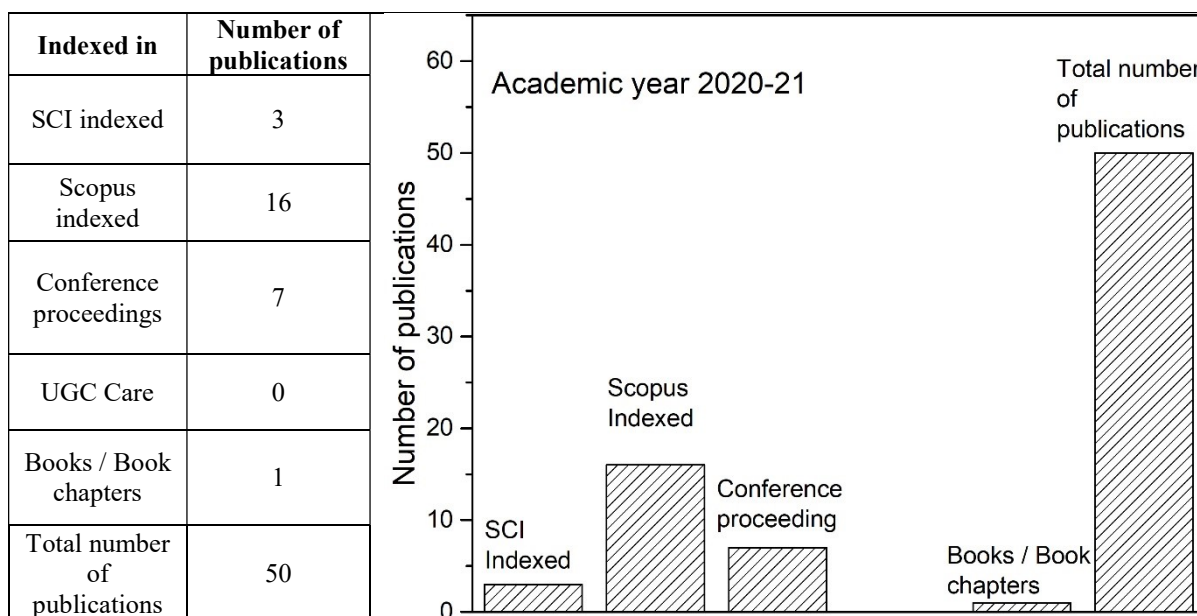
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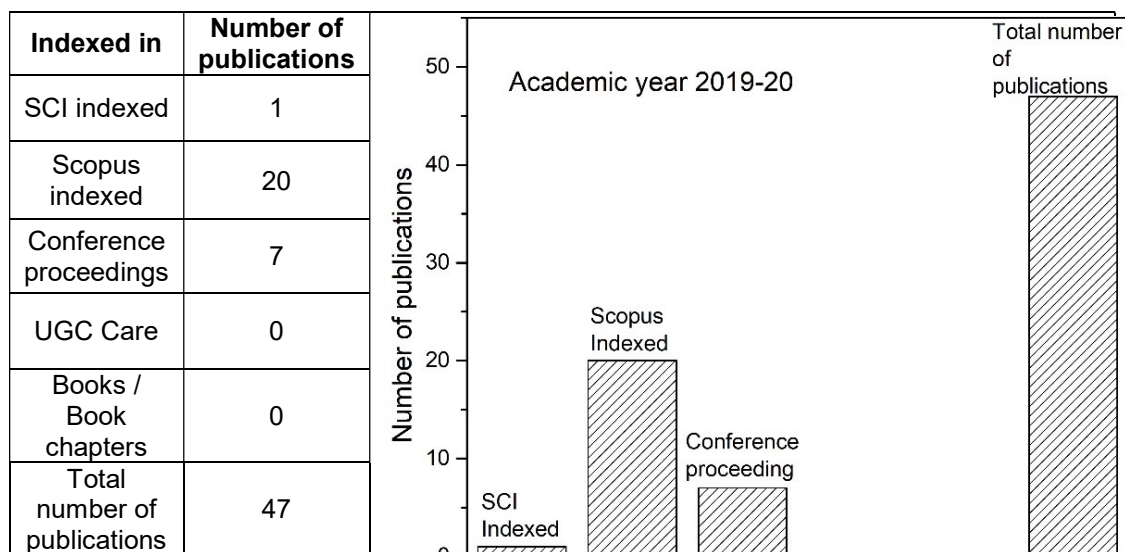
### Academic year 2021-22



### Academic year 2020-21



### Academic year 2019-20



### Ph.D. student details

Name of the faculty member	Number of Ph.D. scholars per academic year			
	2022-23	2021-22	2020-21	2019-20
Dr. P. Ravinder Reddy	A: 1, G: 5	A: 2, G: 6	G: 8	A: 3, G: 8
Dr. G. Chandra Mohan Reddy	A: 1, G: 4	A: 2, G: 5	G: 7	A: 2, G: 7
Dr. M. V. S. Murali Krishna	A: 1	G: 1	A: 1, G: 1	A: 1, G: 2
Dr. P. V. R. Ravindra Reddy	G: 2	G: 2	G: 2	G: 2
Dr. N. V. Srinivasulu	A: 1, G: 7	G: 8	G: 8	G: 8
Dr. P. Prabhakar Reddy	A: 1, G: 8	G: 8	G: 8	G: 8
Dr. G. Laxmaiah	G: 4	G: 4	G: 4	G: 4
Dr. S. Narasimha Kumar	G: 4	G: 4	G: 4	G: 4

**A: Awarded, G: Guiding**

### Academic year 2023-24

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SCI indexed	5
Scopus indexed	17
Conference proceedings	7
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### List of publications

Sl no.	Research publication details	Indexed in	Citations
1	K. G. Chandrashekhar, Shashishankar A, Depaa RA. B, G. Laxmaiah, Joseph Arockiam A, Padmanabhan R. G, Ram Kumar P, Kirubakaran D & B. Ramesh, Load-bearing characteristics of a hybrid Si <sub>3</sub> N <sub>4</sub> -epoxy composite, Biomass Conversion and Biorefinery, <a href="https://doi.org/10.1007/s13399-023-04577-z">https://doi.org/10.1007/s13399-023-04577-z</a>	SCIE and Scopus	
2	R. Meenakshi Reddy, VP Venkataramanmurthy, G Laxmaiah, Karimulla Syed, Yeshwant M. Sonkhaskar, P. Sivasubramanian, Evaluation of cryogenic cooling in CNC machining of martensitic stainless steel AISI 440C, Materials Today: Proceedings, <a href="https://doi.org/10.1016/j.matpr.2023.07.167">https://doi.org/10.1016/j.matpr.2023.07.167</a>	Scopus	
3	Ch. Indira Priyadarsini, P. Anjani Devi, R. P. Chowdary, R. Navaneetha, Analysis of cooling system parameters by solar concentrating panel with fresnel lens, Research Highlights in Science and Technology, 8 (2023) 68-82, <a href="https://doi.org/10.9734/bpi/rhst/v8/10769F">https://doi.org/10.9734/bpi/rhst/v8/10769F</a>	Book chapter	
4	Venkata Sushma Chinta, Sowmya Kethi Reddi, Nagini Yarramsetty, Optimal feature selection on Serial Cascaded deep learning for predictive maintenance system in automotive industry with fused optimization algorithm, Advanced Engineering Informatics 57 (2023) 102105. <a href="https://doi.org/10.1016/j.aei.2023.102105">https://doi.org/10.1016/j.aei.2023.102105</a>	SCIE and Scopus	
5	Karunakaran Devarajan, Venkatachalapathy Vellaiyappan Sangli Karuppanan, Thirumalaikumarasamy Duraisamy, Srinivasa Kumar Bhavirisetty, Gundagani Laxmaiah, Pankaj Kumar Chauhan, Abdul Razak, Mohammad Asif, Emanoil Linul, Experimental Investigation and Characterization of Friction Stir Spot-Welded Dissimilar Aluminum Copper Metallic Lap Joints, ACS Omega 8 (2023) 35706-35721. <a href="https://doi.org/10.1021/acsomega.3c02706">https://doi.org/10.1021/acsomega.3c02706</a>	SCIE and Scopus	

6	Swetha Ramadugu, Siva Rama Krishna Ledella, John Nitin JosheeGaduturi, Ravinder Reddy Pinninti, Venkatesh Sriram, Kuldeep K. Saxena, Environmental life cycle assessment of an automobile component fabricated by additive and conventional manufacturing, International Journal on Interactive Design and Manufacturing, 18 (2024) 847–858. <a href="https://doi.org/10.1007/s12008-023-01532-0">https://doi.org/10.1007/s12008-023-01532-0</a> .	ESCI and Scopus	
7	P. Anjani Devi, P. Ravinder Reddy, K. Eswara Prasad, Hardness and impact testing of glass epoxy nanoclay composites, Materials Today: Proceedings. <a href="https://doi.org/10.1016/j.matpr.2023.09.166">https://doi.org/10.1016/j.matpr.2023.09.166</a> .	Scopus	
8	B Murali, K Karthik, SarangeShreepadMarotrao, G Laxmaiah, Ajay Singh Yadav, I S N V R Prasanth, Mohamed Abbas, Mechanical and dynamic mechanical properties of hybrid kevlar/natural fiber composites, Materials Research Express, 10 (2023) 105305. DOI 10.1088/2053-1591/ad02e1	SCIE and Scopus	
9	R. Shivashankar, K. Vetri Velmurugan, KistanAndiyappan, D. Raja Ramesh, A. D. Urade, R. P. Chowdary, Prashant Sunagar, Investigating the wear resistance of Zn-Co-Ni alloy coatings on polymer substrates, Journal of the Balkan Tribological Association, 29 (2023) 350-358.	Scopus	
10	Mudasar Basha, Munuswamy Siva Kumar, Mangali Chinna Chinnaiyah, Siew-Kei Lam, Thambipillai Srikanthan, Narambhatla Janardhan, Dodde Hari Krishna, Sanjay Dubey, A versatile approach to polygonal object avoidance in indoor environments with hardware schemes using an FPGA-based multi-robot, Sensors, 23 (2023) 9480. <a href="https://doi.org/10.3390/s23239480">https://doi.org/10.3390/s23239480</a> .	SCIE and Scopus	
11	Ashutosh Sahu, Ram Sajeevan Maurya, Tapas Laha, Advances in Synthesis and Characterization of Aluminum-Based Amorphous Alloys: A Review, Advanced Engineering Materials, 26 (2024) 2301150. <a href="https://doi.org/10.1002/adem.202301150">https://doi.org/10.1002/adem.202301150</a> .	SCIE and Scopus	
12	Priyadarsini Morampudi, Venkata Ramana V.S.N., Prasad Chitrada, Sriram Vikas K, Rahul R, Tribology and pitting corrosion behavior of Al6061 / nano-ZrB2 metal matrix composites prepared via powder metallurgy process, Chemical Data Collections, 48 (2023) 101082. <a href="https://doi.org/10.1016/j.cdc.2023.101082">https://doi.org/10.1016/j.cdc.2023.101082</a> .	ESCI and Scopus	
13	K. Sri Ram Vikas, Rahul, V. S. N. Venkata Ramana, G. Madhusudhan Reddy, K. Srinivasa Rao, Effect of heat treatments on tensile fracture behaviour of Ti-6Al-4V alloy friction welds, Journal of The Institution of Engineers, 105 (2024) 929–947. <a href="https://doi.org/10.1007/s40033-023-00549-9">https://doi.org/10.1007/s40033-023-00549-9</a>	Scopus	
14	Alias Paul, K T Thilagham, Jaya Christiyan K G, PVR Ravindra Reddy, Sathyamurthy Ravishankar, Sampath Boopathi, Multi-criteria optimization on friction stir	ESCI and Scopus	

	welding of aluminum composite (AA5052-H32/B4C) using titanium nitride coated tool, Engineering Research Express, 6 (2024) 015402. <a href="https://doi.org/10.1088/2631-8695/ad248d">https://doi.org/10.1088/2631-8695/ad248d</a> .		
15	K. Hazee Shabbeer Basha, S. Solomon Raj, S. Sivakumar, M. Padmarasan, G. Laxmaiah, K. Bharath Raj, Analysis of Voltage Source Inverter with Photovoltaic Renewable Energy Source for Improving Power Quality in Solar, International Journal of Intelligent Systems and Applications in Engineering, 12 (2024) 129-136.	Scopus	
16	P. Anbumani, Atul Babbar, K. Arunprasath, Ashutosh Sahu, Vineet Kumar & Lavish Kumar Singh, Finite element modeling and analysis of crashworthiness performance of bioinspired thin-walled tapered tubular structures, International Journal on Interactive Design and Manufacturing, <a href="https://doi.org/10.1007/s12008-023-01727-5">https://doi.org/10.1007/s12008-023-01727-5</a> .	ESCI and Scopus	
17	Ashutosh Sahu, Anil Kumar, Additive Manufacturing of Bulk Metallic Glasses, <a href="https://doi.org/10.1002/9781394198085.ch10">https://doi.org/10.1002/9781394198085.ch10</a> .	Scopus	
18	Syed Naveed Ahmed, P. Ravinder Reddy, Sriram Venkatesh, Thermal impact of axial reynolds number on aircraft engine compressor disks, Transactions of the Indian National Academy of Engineering, 9 (2024) 429-444. <a href="https://doi.org/10.1007/s41403-024-00469-4">https://doi.org/10.1007/s41403-024-00469-4</a> .	-	
19	B.V. Bajoria, A. Ranjith, G. Laxmaiah, S. Solomon Raj, Manas Ranjan Padhi, Sivasubramanian Palanisamy, Verification of the mechanical behavior of concrete with partial replacement of the fiber resulting from tire retreading, Materials Today: Proceedings, <a href="https://doi.org/10.1016/j.matpr.2024.04.067">https://doi.org/10.1016/j.matpr.2024.04.067</a> .	Scopus	
20	R. P. Chowdary, A. Ruthvikdev, T. Punnam Chander, R. Sai Kiran, Performance analysis of solar flat plate collector at different radiations and wind speeds, Journal of Emerging Technologies and Innovative Research, 11 (2024) h892-h897.	-	
21	T.N. Aditya, P. Ravinder Reddy, P. Ramesh Babu, Development and characterization of polymer ceramic composite for biomedical application, SSRG International Journal of Mechanical Engineering, 11 (2024) 1-6. <a href="https://doi.org/10.14445/23488360/IJME-V11I6P101">https://doi.org/10.14445/23488360/IJME-V11I6P101</a>	Scopus	
22	P. Anjani Devi, P. Ravinder Reddy, K. Eswara Prasad, Effect of weight of nanoclay on tensile, flexure and toughness properties of glass epoxy composites, Materials Today: Proceedings, <a href="https://doi.org/10.1016/j.matpr.2023.11.034">https://doi.org/10.1016/j.matpr.2023.11.034</a> .	Scopus	
23	Venkata Sushma Chinta, Kiran Kumar Amireddy, P Ravinder Reddy, Koorapati Eshwar Prasad, Fracture parameters of woven jute fibre reinforced axial flow fan blade material: an experimental investigation and FEA	ESCI and Scopus	

	analysis, Engineering Research Express, 6 (2024) 015001. <a href="https://doi.org/10.1088/2631-8695/ad1276">https://doi.org/10.1088/2631-8695/ad1276</a> .		
24	Kiran Kumar Amireddy, S. Solomon Raj, Venkata Sushma Chinta, Ch. Indira Priyadarsini and G. Laxmaiah., "Ultrasonic Evaluation of Paint Canisters", E3S Web Conf., 430 (2023), 15 <sup>th</sup> International Conference on Materials Processing and Characterization (ICMPC 2023). DOI: <a href="https://doi.org/10.1051/e3sconf/202343001285">https://doi.org/10.1051/e3sconf/202343001285</a>	Conference paper	
25	A. B. Jadhav, G. Laxmaiah, S. S. Raj and M. S. A. Ansari, "Design and Development of 5 DOF Bio-Inspired Robotic Arm," 2023 International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS), Bangalore, India, (2023) 1-6, DOI: <a href="https://doi.org/10.1109/ICCAMS60113.2023.10525938">10.1109/ICCAMS60113.2023.10525938</a>	Conference paper	
26	G. Laxmaiah, S. S. Raj, T. R. Kumar and R. M. M. Shareef, "Experimental and Simulation analysis of Monitoring a Industrial process by Adaptive transfer Learning," 2023 International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS), Bangalore, India, (2023) 1-7, DOI: <a href="https://doi.org/10.1109/ICCAMS60113.2023.10526180">10.1109/ICCAMS60113.2023.10526180</a>	Conference paper	
27	S. K. Singh, S. S. Raj, M. S. A. Ansari and G. Laxmaiah, "Blockchain And Machine Learning-Based Real-Time Analysis of Smart Manufacturing," 2023 International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS), Bangalore, India, (2023) 1-7, DOI: <a href="https://doi.org/10.1109/ICCAMS60113.2023.10526000">10.1109/ICCAMS60113.2023.10526000</a>	Conference paper	
28	R. D. C. Rebekah, G. Laxmaiah, S. S. Raj, S. K. Singh, B. Hazela and M. K. Verma, "AI Based Data Augmentation Process Used to Find the Defect in Injection Molding," 2023 International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS), Bangalore, India, (2023) 1-6, DOI: <a href="https://doi.org/10.1109/ICCAMS60113.2023.10526067">10.1109/ICCAMS60113.2023.10526067</a>	Conference paper	
29	R. Sheikh, G. Laxmaiah, S. Solomon Raj and P. P. Singh, "Design and Development of PLC Based Robotic Arm to Mix the Different Colours for Painting," 2023 International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS), Bangalore, India, (2023) 1-7, DOI: <a href="https://doi.org/10.1109/ICCAMS60113.2023.10526196">10.1109/ICCAMS60113.2023.10526196</a>	Conference paper	

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### List of publications

Sl. No.	Title	Index	Citations
1	V. S. Chinta, P. R. Reddy, K. E. Prasad, Investigation of shear properties of axial flow fan blade material with partial woven jute reinforcements, <i>Materials today: Proceedings</i> , <i>in press</i> , <a href="https://doi.org/10.1016/j.matpr.2023.02.426">https://doi.org/10.1016/j.matpr.2023.02.426</a> .	Scopus	
2	P. R. Lakshmi, K. Akshaya, P. R. Reddy, Predicting the shear properties in S-glass epoxy composite by finite element analysis, Proceedings of the 5 <sup>th</sup> ISSE National Conference (INAC-05) on Systems Approach for Self-Reliance in Advanced Technologies, <a href="https://doi.org/10.37285/bsp.sasat2023.39">https://doi.org/10.37285/bsp.sasat2023.39</a> .	Conference proceeding	
3	S. N. Ahmed, P. R. Reddy, S. Venkatesh, Thermal impact of rotational reynolds number on aircraft engine compressor disks, Transactions of the Indian National Academy of Engineering, 8 (2022) 81-98. <a href="https://doi.org/10.1007/s41403-022-00380-w">https://doi.org/10.1007/s41403-022-00380-w</a> .	UGC Care	
4	H. K. M. Dora, L. S. R. Krishna, P. R. Reddy, Productivity and safety improvement in industry using ergonomics - A case study, Recent Advances in Materials Processing and Characterization: Select Proceedings of ICMPC 2021, <a href="https://doi.org/10.1007/978-981-19-5347-7_1">https://doi.org/10.1007/978-981-19-5347-7_1</a> .	Conference proceeding	
5	C. Saikrupa, G. C. M. Reddy, S. Venkatesh, Experimental investigation of cutting conditions in turning of Al-MMC, <i>Materials Today: Proceedings</i> , 76 (2023) 488-494. <a href="https://doi.org/10.1016/j.matpr.2022.11.154">https://doi.org/10.1016/j.matpr.2022.11.154</a> .	Scopus	1
6	K. Kishor, Ch. I. Priyadarshini, Y. Nagini, M. V. S. M. Krishna, Investigations on pollution levels of four stroke copper coated spark ignition engine with alcohol blended gasoline, <i>Ecology, Environment and Conservation Paper</i> , 29 (2023) 264-272. <a href="http://doi.org/10.53550/EEC.2023.v29i01.042">http://doi.org/10.53550/EEC.2023.v29i01.042</a> .	Others	
7	Y. Nagini, Ch. I. Priyadarsini, K. Kishor, M. V. S. M. Krishna, Analysis of pollutants in spark ignition engine with gasohol, <i>Techniques and Innovation</i>	Book chapter	



	in Engineering Research, 8 (2023) 63-76. <a href="https://doi.org/10.9734/bpi/taier/v8/17721D">https://doi.org/10.9734/bpi/taier/v8/17721D</a> .		
8	P. S. Reddy, M. V. S. M. Krishna, N. Sanke, Investigations on exhaust emissions of insulated diesel engine fuelled with fish oil blended with copper nano particles, Techniques and Innovation in Engineering Research, 8 (2023) 48-62. <a href="https://doi.org/10.9734/bpi/taier/v8/9071F">https://doi.org/10.9734/bpi/taier/v8/9071F</a> .	Book chapter	
9	M. A. Rabbani, M. V. S. M. Krishna, P. U. Sree, Evaluation of performance parameters and pollution levels of insulated diesel engine with plastic oil, Mathematical Statistician and Engineering Applications, 72 (2023) 496-514. <a href="https://doi.org/10.17762/msea.v72i1.1902">https://doi.org/10.17762/msea.v72i1.1902</a> .	Scopus	
10	B. R. Krishna, M. V. S. M. Krishna, P. U. Sri, Analysis of exhaust emissions with low heat loss diesel engine with alternate fuels, Techniques and Innovation in Engineering Research, 7 (2023) 44-57. <a href="https://doi.org/10.9734/bpi/taier/v7/17661D">https://doi.org/10.9734/bpi/taier/v7/17661D</a> .	Book chapter	
11	M. A. Rabbani, M. V. S. M. Krishna, P. U. Sree, Determination of performance parameters of insulated diesel engine with plastic oil with supercharging, Technological Innovation in Engineering Research, 8 (2022) 84-403. <a href="https://doi.org/10.9734/bpi/tier/v8/7936F">https://doi.org/10.9734/bpi/tier/v8/7936F</a> .	Book chapter	
12	A. S. Machiraju, M. V. S. M. Krishna, P. Ushasri, Combustion characteristics of a semi-adiabatic diesel engine with plastic oil with supercharging, Techniques and Innovation in Engineering Research, 1 (2022) 146-163. <a href="https://doi.org/10.9734/bpi/taier/v1/6148F">https://doi.org/10.9734/bpi/taier/v1/6148F</a> .	Book chapter	
13	E. Sadanandam, N. V. Srinivasulu, A. Krishnaiah, A. Devraju, Effect of Al <sub>2</sub> O <sub>3</sub> & TiB <sub>2</sub> reinforcement particles on tribological and tensile properties of Al 6061 alloy surface composite via friction stir processing, International Journal of Mechanical Engineering, 7 (2022) 291-298.	Scopus	
14	E. Sadanandam, N. V. Srinivasulu, A. Krishnaiah, A. Devraju, Effect of TiC & tungsten nano particles on microstructure and tensile properties of 6061T6 Al alloy surface nano composites via friction stir processing, Journal of survey in Fisheries Sciences, 10 (2023) 3550-3558. <a href="https://doi.org/10.53555/sfs.v10i1.1567">https://doi.org/10.53555/sfs.v10i1.1567</a> .	Scopus	
15	K. S. R. Kumar, R. R. Solanke, G. Laxmaiah, Md. T. Alam, R. Taluja, IoT and data mining techniques to detect and regulating of solar power system, 2023 International Conference on Inventive Computation Technologies (ICICT). <a href="https://doi.org/10.1109/ICICT57646.2023.10134189">https://doi.org/10.1109/ICICT57646.2023.10134189</a> .	Conference proceeding	
16	R. Kodi, C. Ganteda, A. Dasore, M. L. Kumar, G. Laxmaiah, Md. A. Hasan, S. Islam, A. Razak, Influence of MHD mixed convection flow for maxwell nanofluid through a vertical cone with porous material in the existence of variable heat conductivity and diffusion, Case Studies in Thermal Engineering, 44 (2023) 102875. <a href="https://doi.org/10.1016/j.csite.2023.102875">https://doi.org/10.1016/j.csite.2023.102875</a> .	SCI and Scopus	13

17	A. K. Kumar, G. Laxmaiah, P. R. Babu, Process parameters optimization and characterization of RTM manufacturing process for high performance composites, International Journal of Mechanical Engineering, 7 (2022) 400-412. DOI : <a href="https://doi.org/10.56452/7-8-40">https://doi.org/10.56452/7-8-40</a> .	Scopus	
18	R. P. Chowdary, Ch. I. Priyadarsini, V. J. Reddy, P. A. Devi, A. Chandrakanth, T. N. Aditya, Solar powered sensors for efficient routing without power constraints, 3 <sup>rd</sup> International Conference on Innovative Practices in Technology and Management, <a href="https://doi.org/10.1109/ICIPTM57143.2023.10118005">https://doi.org/10.1109/ICIPTM57143.2023.10118005</a> .	Conference proceeding	
19	K. K. Amireddy, S. S. Raj, Metamaterials for subwavelength imaging, Techniques and Innovation in Engineering Research, 5 (2023) 59-69. <a href="https://doi.org/10.9734/bpi/taier/v5/17959D">https://doi.org/10.9734/bpi/taier/v5/17959D</a> .	Book chapter	
20	G. Kishan, B. V. S. Rao, Determination of drawing force for N-sided polygonal deep drawn cup, GIS Science Journal, 10 (2023) 1131-1146. DOI:20.18001.GSJ.2022.V10I6.23.411326.	Others	
21	G. Kishan, B. V. S. Rao, Non-destructive testing methodologies: A review, Gradiva Review Journal, 9 (2023) 1402-1416. DOI:10.37897.GRJ.2022.V9I6.23.513202.	Others	
22	M. Aruna, B. N. Patel, S. N. Kumar, Md. A. A. Walid, J. P. Patra, B. S. Kumar, Sparrow search optimization with deep belief network based wind power prediction model, 2023 International Conference on Intelligent Data Communication Technologies and Internet of Things, <a href="https://doi.org/10.1109/IDCIoT56793.2023.10053490">https://doi.org/10.1109/IDCIoT56793.2023.10053490</a> .	Conference proceeding	
23	A. Kaleru, S. Venkatesh, N. Kumar, Theoretical and numerical study of a shell and tube heat exchanger using 22% cut segmental baffle, Heat Transfer, 51 (2022) 7805-7821. <a href="https://doi.org/10.1002/htj.22667">https://doi.org/10.1002/htj.22667</a> .	Scopus	3
24	K. Gurubrahmam, T. R. Rao, M. C. S. Reddy, Study on added damping due to resistive shunting on cantilever, simply supported beam, and effect on the variation of amplitude at resonance, Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 237 (2022) 1613-1630. <a href="https://doi.org/10.1177/09544062221132186">https://doi.org/10.1177/09544062221132186</a> .	SCI and Scopus	
25	K. Gurubrahmam, T. R. Rao, M. C. S. Reddy, Sensitive analysis on added damping of shunted piezoceramic damping: cantilever and simply supported beam, Journal of Vibroengineering, 25 (2023) 921-943. DOI <a href="https://doi.org/10.21595/jve.2022.22858">https://doi.org/10.21595/jve.2022.22858</a> .	Scopus	
26	K. Gurubrahmam, T. R. Rao, M. C. S. Reddy, Study on prediction of added damping from inclined PZT-5 H for bending and torsional modes, Iranian Journal of Science and Technology, Transactions of Mechanical Engineering. <a href="https://doi.org/10.1007/s40997-023-00638-w">https://doi.org/10.1007/s40997-023-00638-w</a> .	SCI and Scopus	
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### Academic year 2021-22

Indexed in	Number of publications
SCI indexed	5
Scopus indexed	20
Conference proceedings	1
UGC Care	0
Books / Book chapters	8
<b>Total number of publications</b>	<b>53</b>

### List of publications

Sl. No.	Title	Index	Citations
1	P. R. Lakshmi, P. R. Reddy, N. Sarthak, Finite element analysis on MWNT reinforced S-glass composite, Materials Today: Proceedings, 56 (2022) 1364-1368. <a href="https://doi.org/10.1016/j.matpr.2021.11.427">https://doi.org/10.1016/j.matpr.2021.11.427</a> .	Scopus	1
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48	T. N. Aditya, Gurubrahmam, Chandrakanth, A. Pasha, Design of novel planetary transmission system integrated with differential for automatic transmission in automobiles, International Research Journal of Engineering and Technology, 9 (2022) 2746-2757.	Others	
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### Academic year 2020-21

Indexed in	Number of publications
SCI indexed	3
Scopus indexed	16
Conference proceedings	7
UGC Care	0
Books / Book chapters	1
<b>Total number of publications</b>	<b>50</b>

### List of publications

Sl. No.	Title	Index	Citations
1	V. S. Chinta, P. R. Reddy, K. E. Prasad, S. S. Raj, Modal analysis of carbon/epoxy plate by varying fibre orientation, Turkish Journal of Computer and Mathematics Education, 12 (2021) 7580-7586. <a href="https://doi.org/10.17762/turcomat.v12i10.5667">https://doi.org/10.17762/turcomat.v12i10.5667</a> .	Others	
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50	P. A. Devi, P. R. Reddy, E. P. Koorapat, Computational study on the flexural properties of E-glass fibre reinforced composites with nano-clay as filler material, NOVIY MIR, 6 (2021) 123-130.	Others	

### Academic year 2019-20

Indexed in	Number of publications
SCI indexed	1
Scopus indexed	20
Conference proceedings	7
UGC Care	0
Books / Book chapters	0
<b>Total number of publications</b>	<b>47</b>

### List of publications

Sl. No.	Title	Index	Citations
1	P. R. Reddy, B. B. Kumar, Vibrational analysis of rotor dynamic system using FEA, International Journal of Mechanical and Production Engineering Research and Development, 10 (2020) 329-340.	Scopus	
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5	L. M. Reddy, L. S. R. Krishna, S. S. Kumar, P. R. Reddy, A comparative study on performance of 3D-printed EDM electrode with conventional EDM electrode, Recent Trends in Mechanical Engineering. Lecture Notes in Mechanical Engineering. <a href="https://doi.org/10.1007/978-981-15-1124-0_19">https://doi.org/10.1007/978-981-15-1124-0_19</a> .	Conference proceeding	1
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47	P. R. Reddy, H. P. Kumar, P. S. Reddy, Buckling analysis of laminated composite cylindrical shells, International Journal of Innovative Research in Science, Engineering and Technology, 9 (2020) 1639-1644.	Others	

### Ph.D. student details

Academic years 2022-23, 2021-22, 2020-21 and 2019-20

Name of the faculty member	Number of Ph.D. scholars per academic year			
	2022-23	2021-22	2020-21	2019-20
Dr. P. Ravinder Reddy	A: 1, G: 5	A: 2, G: 6	G: 8	A: 3, G: 8
Dr. G. Chandra Mohan Reddy	A: 1, G: 4	A: 2, G: 5	G: 7	A: 2, G: 7
Dr. M. V. S. Murali Krishna	A: 1	G: 1	A: 1, G: 1	A: 1, G: 2
Dr. P. V. R. Ravindra Reddy	G: 2	G: 2	G: 2	G: 2
Dr. N. V. Srinivasulu	A: 1, G: 7	G: 8	G: 8	G: 8
Dr. P. Prabhakar Reddy	A: 1, G: 8	G: 8	G: 8	G: 8
Dr. G. Laxmaiah	G: 4	G: 4	G: 4	G: 4
Dr. S. Narasimha Kumar	G: 4	G: 4	G: 4	G: 4

**A: Awarded, G: Guiding**

**Prof. P Ravinder Reddy**

<b>Sl. No.</b>	<b>Name of the student</b>	<b>Date of joining Ph.D.</b>	<b>Date of Ph.D. award</b>	<b>Academic year</b>
1	Mr. S. V. Prasad		21 <sup>st</sup> August 2019	2019-20
2	Mr. Pandu Ramavath		21 <sup>st</sup> August 2019	
3	Mr. Prodduturi Ashok Kumar		2 <sup>nd</sup> June 2020	
4	Mr. A C Sekhara Reddy		20 <sup>th</sup> July 2021	2021-22
5	Mr. G. Chandramouli		14 <sup>th</sup> October 2021	
6	Mr. Syed Naveed Ahmed		27 <sup>th</sup> February 2023	2022-23
7	P. Anjani Devi	15 <sup>th</sup> July 2016		
8	Venkata Sushma Chinta	15 <sup>th</sup> July 2016	28 <sup>th</sup> October 2023	2023-24
9	Mr. Hanumantu Krishna Murty Dora		5 <sup>th</sup> September 2023	
10	L. Mahipal Reddy	17 <sup>th</sup> March 2017		
11	Jagadeshwar Kandula	17 <sup>th</sup> March 2017		

**Prof. G Chandra Mohan Reddy**

<b>Sl. No.</b>	<b>Name of the student</b>	<b>Date of joining Ph.D.</b>	<b>Date of Ph.D. award</b>	<b>Academic year</b>
1	Damanasi Raji Reddy		18 <sup>th</sup> March 2020	2019-20
2	K. Veladri			
3	K. L. Uday		7 <sup>th</sup> January 2022	2021-22
4	Anand Mohan Vemula		10 <sup>th</sup> November 2021	
5	Pavan Kumar Thimmaraju		22 <sup>nd</sup> February 2023	2022-23
6	Md. Mazaharuddin	18 <sup>th</sup> August 2018		
7	Ch. Sai Krupa	18 <sup>th</sup> August 2018		
8	Doneti Gopi Krishna	18 <sup>th</sup> August 2018		
9	Janaiah Bolleddu	18 <sup>th</sup> August 2018		

**Prof. M V S Murali Krishna**

<b>Sl. No.</b>	<b>Name of the student</b>	<b>Date of joining Ph.D.</b>	<b>Date of Ph.D. award</b>	<b>Academic year</b>
1	Gangaraju Srinivas Sharma		16 <sup>th</sup> June 2020	2019-20
2	Indira Priyadarsini		4 <sup>th</sup> September 2020	2020-21
3	Y. Nagini	23 <sup>th</sup> October 2012	11 <sup>th</sup> November 2022	2022-23

**Prof. P V R Ravindra Reddy**

<b>Sl. No.</b>	<b>Name of the student</b>	<b>Date of joining Ph.D.</b>	<b>Date of Ph.D. award</b>	<b>Academic year</b>
1	Vijay Kumar	18 <sup>th</sup> August 2018		
2	Manohar	18 <sup>th</sup> August 2018		

**Prof. N V Srinivasulu**

<b>Sl. No.</b>	<b>Name of the student</b>	<b>Date of joining Ph.D.</b>	<b>Date of Ph.D. award</b>	<b>Academic year</b>
1	Ajmeera Ramesh		August 2023	2023-24
2	Balu Maloth	17 <sup>th</sup> March 2017	17 <sup>th</sup> April 2023	2022-23
3	Bantu Sailesh	17 <sup>th</sup> March 2017		
4	P Sandeep Kumar	17 <sup>th</sup> March 2017		
5	E Sadanandam	17 <sup>th</sup> March 2017		
6	A Sunil	18 <sup>th</sup> August 2018		
7	M Madhuri	18 <sup>th</sup> August 2018		
8	B Lachya	18 <sup>th</sup> August 2018		



**Prof. P Prabhakar Reddy**

<b>Sl. No.</b>	<b>Name of the student</b>	<b>Date of joining Ph.D.</b>	<b>Date of Ph.D. award</b>	<b>Academic year</b>
1	Pavan Kumar Thimmaraju		27 <sup>th</sup> July 2023	2023-24
2	V Ram Kishore	17 <sup>th</sup> March 2017		
3	Dasari Ajay	17 <sup>th</sup> March 2017		
4	Manda Shoban Babu	17 <sup>th</sup> March 2017		
5	K Kalyani	18 <sup>th</sup> August 2018		
6	G. Bala Narsimha	18 <sup>th</sup> August 2018		
7	Prasanna V	18 <sup>th</sup> August 2018		
8	Kasi Sreedhar	18 <sup>th</sup> August 2018		

**Prof. G Laxmaiah**

<b>Sl. No.</b>	<b>Name of the student</b>	<b>Date of joining Ph.D.</b>	<b>Date of Ph.D. award</b>	<b>Academic year</b>
1	Kiran Kumar Algot	18 <sup>th</sup> August 2018		
2	K Srinivas	18 <sup>th</sup> August 2018		
3	Lunavath Siva Prasad	18 <sup>th</sup> August 2018		
4	Gurram Pranathi	18 <sup>th</sup> August 2018		

**Prof. S Narasimha Kumar**

<b>Sl. No.</b>	<b>Name of the student</b>	<b>Date of joining Ph.D.</b>	<b>Date of Ph.D. award</b>	<b>Academic year</b>
1	Kaleru Aparna	18 <sup>th</sup> August 2018		
2	Bairapaka Ravi	18 <sup>th</sup> August 2018		
3	Y Sathaiah	18 <sup>th</sup> August 2018		
4	B Raja Narendar	18 <sup>th</sup> August 2018		