

DEPARTMENT OF PHYSICS

Summary of Publications for the Academic Year 2025-26

S.No	Details	SCI	SCIE	SCOPUS	WOS	UGC	OTHERS	Total
1	International Journals	1	3	2				06
2	National Journals							

Conferences and Book Chapters

S.No	Details	SCOPUS	SPRINGER	WOS	UGC	OTHERS (AIP/IEEE etc.)	Total
1	National/International	-	1	-	-	3	04

Books

S.No	Details	National	International	TOTAL
1	Books/Book chapters	-	-	-

Patents

S.No	Details	TOTAL
1	Patents	-

Faculty Incharge

HOD,Physics

Vasavi College of Engineering (A)
Department of Physics
Academic Year 2025-26
(Research Publications Journals)-International

SCOPUS

Sl. No.	Name of the Faculty Author	No of Authors	Main Author/ other	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol/ Month	Index No UGC/ Scopus
1	Dr P Venkateswara Rao	04	T. Ramesh, Puli Nageswar Rao, P. Venkateswara Rao, and N. Pavan Kumar	Effect of Annealing Temperature on Rietveld Structure Refinement, Cations Distribution, Optical, Magnetic, and Antimicrobial Activity Properties of CoFe ₂ O ₄ and MgFe ₂ O ₄ Nanoparticles Synthesized by Sol-Gel Auto Combustion Method	<i>ECS Journal of Solid State Science and Technology,</i>	DOI 10.1149/2162-8777/ae6a6d	2026 15 053008 Published 18 May 2026	Scopus Published on behalf of ECS by IOP Publishing Limited
2	Dr G Ramadevudu	06	Samdani Peerusaba, Gokarakonda Ramadevudu, Asra Anjuma, Izhar Ahmeda, Shaik Mohammed Ibrahima, Mohammed Salim Al Maashania	Effect of Bi ₂ O ₃ on physical, optical and structural properties of mixed oxide glass system Na ₂ B ₄ O ₇ -(15+2x)Bi ₂ O ₃ -(24-x)GeO ₂ -CuO	Journal of King Saud University – Science	DOI: 10.25259/JKSUS_1883_2025	26 May, 2026	Scopus © 2026 Journal of King Saud University – Science - Published by Scientific Scholar

Vasavi College of Engineering (A)
Department of Physics
Academic Year 2025-26
SCI

S. No.	Name of the Faculty Author	No of Authors	Main Author/ other	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol/Month	Index No UGC/ Scopus
1	Dr AS Sai Prasad	06	Shaik Kareem Ahmmad , M.M. Ahmed Mahmoodi , A.S. Sai Prasad , Nazima Siddiqui, Kurapati Rajagopal , J. Laxman Naik	Development and characterization of borate-based bioactive glasses incorporating rice husk-derived silica	Next Materials	Published by Elsevier Ltd.	Next Materials 9 (2025) 101091 Available online 23 August 2025	https://doi.org/10.1016/j.nxm.2025.101091

SCIE

S. No.	Name of the Faculty Author	No of Authors	Main Author/ other	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol/Month	Index No UGC/ Scopus
1	Dr Vanita Thakur & Dr G Ramadevudu	05	Seema Thakur, G Ramadevudu, Md Shareefuddin, Vanita Thakur, Mohan Shriram Selokar	Multimodal Spectroscopic Analysis of Quaternary Selenium Borate Glasses with Transition Metal Ions	Journal of Electronic Materials	Springer US	Pages 1-12 2025/10/7	SCIE 10.1007/s11664-025-12446-w
2	Dr Vanita Thakur	03	Seema Thakur, Vanita Thakur, Preeti Sharma	Temperature-Dependent Conduction Mechanism in BaTiO ₃ Modified Bismuth Borate Glass-Ceramic System: S. Thakur et al.	Journal of Electronic Materials	Springer US	Volume 54, pages 10603–10610, (2025) 2025/8/18	SCIE
3	Dr Vanita Thakur	04	Seema Thakur , Vanita Thakur , Preeti Sharma , Suchita Yogesh Shelke	Dielectric relaxation and electrical transport in NiO-doped bismuth borate glasses for electromagnetic shielding applications	Materials Science and Engineering: B	Published by Elsevier Ltd.	329(2026)1 19436 Available online 30 March 2026,	SCIE 10.1016/j.mseb.2026.119436

Vasavi College of Engineering (A)
Department of Physics
Academic Year 2025-26
(Research Publications Journals)-National

UGC CARE LIST & WOS

Sl. No.	Name of the Faculty Author	No of Authors	Main Author/ other	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol/Month	Index No UGC/ Scopus
1	NIL							

WOS

Sl. No.	Name of the Faculty Author	No of Authors	Main Author/ other	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol/Month	Index No UGC/ Scopus
1	NIL							

Department of Physics-AY 2025-26 Conference Publications

Sl. No.	Name of the Faculty Author	Title of the Paper	Name of the Conference/Journal	Conference/Venue/Date	Index No UGC/ Scopus
1	Dr P Venkateswara Rao	Optimized Predictive Modeling of Diabetes Progression using Random Forest and Recursive Feature Elimination	Proceedings of the 2025 International Conference on Intelligent Computing, Information and Control Systems (ICOIICS-2025)	Organized by Nepal College of Information Technology, Balkumari, Lalitpur, Nepal During 19-21, November 2025.	DVD Part Number: CFP250Z3-DVD; ISBN: 979-8-3315-9896-9 IEEE
2	Dr P Venkateswara Rao	PCA and GIS Analysis of Groundwater Quality Over Yadadri	Proceedings of the 7th International Conference on Communications and Cyber Physical Engineering Conference paper	First Online: 19 November 2025 pp 743–748	https://doi.org/10.1007/978-981-95-0269-1_83 Springer
3	Dr R Nagaraju	Microstructure and Physical properties of SCT ceramics	3RD INTERNATIONAL CONFERENCE ON MULTIFUNCTIONAL MATERIALS: ICMM2024 19–21 December 2024 Hyderabad, India AIP Conference proceedings	Volume 3361, Issue 1 12 November 2025	https://doi.org/10.1063/5.0298203 AIP Publishing ISBN: 978-0-7354-5289-3 ISSN: 1551-7616, 0094-243X 3361,030036 (2025)
4	Dr R Nagaraju	Investigation of Lead borate glasses doped with Mn ²⁺ : Comprehensive analysis of radiation shielding properties	EPJ Web of Conferences	EPJ Web of Conferences 356 , 01035 (2026) ICC 2025	https://doi.org/10.1051/epjconf/202635601035

Patents

S.No	Name of the Faculty	Patent name	Patent No.	Published/Granted month
1	NIL			

Research Publications – Book & Book Chapters

Sl. No	Name of the Faculty Author	No of Authors	Main Author/ other	Title of the Book /Chapter	Name of the Publisher	ISBN Number	URL	Remarks
1	NIL							