



**CSMSS**  
Chhatrapati Shahu Maharaj Shikshan Sanstha's  
**CHH. SHAHU COLLEGE OF ENGINEERING**  
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Department: Science & Humanities

Research & Development Cell

Date: 01-Jan.-2026

Criteria 1 : Details of Number of research papers published per teacher in the Journals notified on WoS/Scopus/SCI/UGC CARE / peer reviewed etc during A.Y. 2025-26 (ODD Sem.)

Data from : 01-July-2025 to 31-December-2025

Sr. No.	Title of paper	All Author Name's in the same order as it's published in a article	Author Type [Single / Principal (First/ Corresponding) / Co-author Position No.]	Department of the teacher	Name of journal with Publisher Name	ISSN number	Volume, Issue, and Page No.	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number					Acceptance Date	Publication Date	Affiliating Institute Name added at the time of publication	Author Scopus Id	Author WoS/ Researcher id	Google Scholar id	Is this entry linked to faculty Vidwan id	Claimant Name and Signature
								DOI link	Link to article / paper / abstract of the article	Indexed in [Scopus/WoS (SCI/ SCIE/AHCI/ ESCI), UGC care, Peer Reviewed, etc.]	Quartile (Q1/ Q2/ Q3/ Q4)	Impact Factor (thomson Reuters)								
Academic Year		A.Y. 2025-26 , Semester - ODD (01-July-2025 to 31-December-2025)																		
1	Structural and spectroscopic analysis of GdSr <sub>3</sub> (PO <sub>4</sub> ) <sub>3</sub> :Dy <sup>3+</sup> phosphors for white LED applications	Esarat Ansari, Shruti K. Patle, Nilesh S. Ugemuge, <b>Abhijeet R. Kadam</b> , S.J. Dhoble	Corresponding Author (Position : 4)	Department of Physics (First Year Engineering)	Journal of Molecular Structure (Elsevier Publications)	Online ISSN: 1872-8014 Print ISSN: 0022-2860	(1349) 143856	<a href="https://doi.org/10.1016/j.molstruc.2025.143856">https://doi.org/10.1016/j.molstruc.2025.143856</a>	<a href="https://www.science.org/doi/10.1016/j.molstruc.2025.143856">https://www.science.org/doi/10.1016/j.molstruc.2025.143856</a>	Scopus/WoS (SCI/ SCIE/AHCI/ ESCI)	Q2	4.7	31-08-2025	01-09-2025	CSMSS, Chh. Shahu College of Engineering, Chhatrapati Sambhajnagar	57209851817	GSN-9567-2022	n-IZTzEA AAAJ	Yes	
2	Triple-doped Dy <sup>3+</sup> /Tb <sup>3+</sup> /Eu <sup>3+</sup> activated Na <sub>2</sub> Ca <sub>4</sub> (PO <sub>4</sub> ) <sub>3</sub> F halophosphors for next-generation WLEDs and solar cell efficiency enhancement	Rahul V. Tikale, <b>Abhijeet R. Kadam</b> , Marta Michalska-Domańska & Sanjay J. Dhoble	Co-author Position No. 2	Department of Physics (First Year Engineering)	Scientific Reports, Springer Nature Publications	ISSN: 2045-2322	15:27748	<a href="https://doi.org/10.1038/s41598-025-12538-x">https://doi.org/10.1038/s41598-025-12538-x</a>	<a href="https://www.nature.com/articles/s41598-025-12538-x#article-info">https://www.nature.com/articles/s41598-025-12538-x#article-info</a>	Scopus/WoS (SCI/ SCIE/AHCI/ ESCI)	Q1	3.9	17-07-2025	30-07-2025	CSMSS, Chh. Shahu College of Engineering, Chh. Sambhajnagar	57209851817	GSN-9567-2022	n-IZTzEA AAAJ	Yes	
3	Comprehensive photoluminescence analysis and Judd-Ofelt analysis of Eu <sup>3+</sup> -Activated Sr <sub>2</sub> Gd <sub>3</sub> Na(PO <sub>4</sub> ) <sub>2</sub> F <sub>2</sub> phosphor: theoretical elucidation from PL emission spectra for optimized red emission	Rahul V. Tikale · <b>Abhijeet R. Kadam</b> · S. J. Dhoble	Corresponding Author (Position : 2)	Department of Physics (First Year Engineering)	Optical and Quantum Electronics , Springer Nature Publications	ISSN: 0306-8919	57:478	<a href="https://doi.org/10.1007/s11082-025-08407-6">https://doi.org/10.1007/s11082-025-08407-6</a>	<a href="https://link.springer.com/article/10.1007/s11082-025-08407-6">https://link.springer.com/article/10.1007/s11082-025-08407-6</a>	Scopus/WoS (SCI/ SCIE/AHCI/ ESCI)	Q1	4	03-08-2025	09-08-2025	CSMSS, Chh. Shahu College of Engineering, Chh. Sambhajnagar	57209851817	GSN-9567-2022	n-IZTzEA AAAJ	Yes	
4	Sand Cat Swarm Optimization and Attention-Based Graph Convolutional Neural Network for Energy Management Analysis of Grid-Connected Hybrid Wind-Microturbine-Photovoltaic-Electric Vehicle Systems	R. J. Venkatesh, <b>Suraj Rajesh Karpe</b> , Bapu Kokare, K. V. Pradeep	Co-author Position No. 2	Department of FE	Energy Storage,Wiley	ISSN:2578-4862	Volume7, Issue4	<a href="https://doi.org/10.1002/est2.70187">https://doi.org/10.1002/est2.70187</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/est2.70187">https://onlinelibrary.wiley.com/doi/abs/10.1002/est2.70187</a>	Scopus/WoS (SCI)	Q2	0.6	1 June 2025	1 June 2025	CSMSS, Chh. Shahu College of Engineering, Chh. Sambhajnagar	59348386400	CAJ-5123-2022	ZnV9k48 AAAAJ &hl=en&oi=ao	Yes	
5	Power Generation Using Speed Breaker	Chavan Madhusudan, <b>Dr. Suraj Rajesh Karpe</b> , A. N. Mudiraj, <b>B. D. Shiude</b> , <b>B. S. Deshmukh</b> , <b>R. B. Aurade</b>	Co-author Position No. 2	Department of FE	Journal of Electrical and Power System Engineering	ISSN:2582-5712	Vol,11 I-3 (2025), PP(16-21)	NA	<a href="https://matjournals.net/engineering/index.php/JEPE/article/view/2506">https://matjournals.net/engineering/index.php/JEPE/article/view/2506</a>	UGC	NA	NA	13 August 2025	3 Oct-2025	CSMSS, Chh. Shahu College of Engineering, Chh. Sambhajnagar	59348386400	CAJ-5123-2022	ZnV9k48 AAAAJ &hl=en&oi=ao	Yes	

6	An Analytical Solution of Inverse Coupled Thermoelasticity in Inhomogeneous Rectangular Beams	Abhijeet B. Adhe, <b>Satyawan L. Dhondge</b> , Kiritwant P. Ghadle	Co-author	Department of Mathematics (First Year Engineering)	Studies in Science of Science	1003-2053	Volume 43: 296-305	NA	<a href="https://sciencejournalre/index.php/studies-in-science-of-science/article/view/1083">https://sciencejournalre/index.php/studies-in-science-of-science/article/view/1083</a>	Scopus	Q4	NA	17-09-2025	25-09-2025	CSMSS, Chh. Shahu College of Engineering, Chh. Sambhajanagar	NA	NA	2MZ_Vk4AAAAJ&hl=en	Yes	
7	Numerical stability analysis of nonlinear differential equations in engineering systems	Kumari Shipra Sandip Kulkarni, Sandip Kulkarni Urmila Kadam, Bhavana Chandramani Julme, <b>Satyawan L. Dhondge</b> , Deepak Kumar Paswan	Co-author (Position No. 7)	Department of Mathematics (First Year Engineering)	Journal of Interdisciplinary Mathematics	0972-0502	Vol. 28 (2025), No. 6, pp. 2255–2261	<a href="https://doi.org/10.47974/JIM-2367">https://doi.org/10.47974/JIM-2367</a>	<a href="https://tarupublications.com/doi/10.47974/JIM-2367">https://tarupublications.com/doi/10.47974/JIM-2367</a>	WoS	Q4	NA	30-09-2025	30-09-2025	CSMSS, Chh. Shahu College of Engineering, Chh. Sambhajanagar	NA	NA	2MZ_Vk4AAAAJ&hl=en	Yes	
8	Spectral methods for solving partial differential equations in multiphysics simulations	Kanwar Tushar Punj, Trupti Dhanadhya, Tanveer Ahmad Wani, Satish S. Banait, Raminderpreet Pal Singh, <b>Satyawan L. Dhondge</b>	Co-author Position No. 6	Department of Mathematics (First Year Engineering)	Journal of Interdisciplinary Mathematics	0972-0502	Vol. 28 (2025), No. 6, pp. 2263–2271	<a href="https://doi.org/10.47974/JIM-2368">https://doi.org/10.47974/JIM-2368</a>	<a href="https://tarupublications.com/doi/10.47974/JIM-2368">https://tarupublications.com/doi/10.47974/JIM-2368</a>	WoS	Q4	NA	30-09-2025	30-09-2025	CSMSS, Chh. Shahu College of Engineering, Chh. Sambhajanagar	NA	NA	2MZ_Vk4AAAAJ&hl=en	Yes	
9	Chemical transformations of nutrients during food processing: A review	<b>Shital Vipin Pagey and Bhagyashree Prabhakar Landge</b>	Principal (First) and Co-author :2	Department of Chemistry, CSMSS, Chh. Shahu College of Engineering, Maharashtra	International Journal of Applied Research	ISSN Print: 2394-7500 ISSN Online: 2394-5869	Vol.11, issue 10 page no225-228		<a href="https://www.allresearchjournal.com/archives/2025/vol11issue10/PartC/11-10-20-294.pdf">https://www.allresearchjournal.com/archives/2025/vol11issue10/PartC/11-10-20-294.pdf</a>	Peer reviewed	NA	NA	5 August 2025	10 September 2025	CSMSS, Chh. Shahu College of Engineering, Maharashtra, India	NA	NA	NA	Yes	
10	Food chemistry and nutrient bioavailability: Bridging science and human nutrition	<b>Shital Vipin Pagey and Bhagyashree Prabhakar Landge</b>	Principal (First) and Co-author :2	Department of Chemistry, CSMSS, Chh. Shahu College of Engineering, Maharashtra	International Journal of Advanced Biochemistry Research	ISSN Print: 2617-4693 ISSN Online: 2617-4707	Vol.9, issue 10s page no1472-1476	<a href="https://www.doi.org/10.33545/26174693.2025.v9.i10.Sr.6033">https://www.doi.org/10.33545/26174693.2025.v9.i10.Sr.6033</a>	<a href="https://www.biochemjournal.com/special-issue/2025.v9.i10.Sr.6033/food-chemistry-and-nutrient-bioavailability-bridging-science-and-human-nutrition">https://www.biochemjournal.com/special-issue/2025.v9.i10.Sr.6033/food-chemistry-and-nutrient-bioavailability-bridging-science-and-human-nutrition</a>	Peer Reviewed	NA	NA	17/07/2025	20/08/2025	CSMSS, Chh. Shahu College of Engineering, Maharashtra, India	NA	NA	NA	Yes	
11	AI-Driven Optimization And Strategic Use Of Phase Change Materials For Smart Thermal Regulation	Dr. Bajirao Subhash Shirole, M.V.D.N.S.Madhavi, <b>Babasaheb D Shinde</b> , Deepakumar H Patil, Avinash N. Khadtare, Dr. R. D. Sathiya	Co-author Position No.. 3	FY/ MECH	International Journal of Environmental Sciences	ISSN: 2229-7359	Vol. 11 No. 19s,	<a href="https://doi.org/10.64252/3gqpeg91">https://doi.org/10.64252/3gqpeg91</a>	<a href="https://theaspd.com/index.php/ijes/article/view/5372">https://theaspd.com/index.php/ijes/article/view/5372</a>	Scopus	Q3	NA	07-2025	07-2025	Dept. of Mechanical Engineering, CSMSS Chh. Shahu College of Engineering, Chhatrapati Sambhajanagar	57218315608	NA	HiGFLigAAAAJ	Yes	
12	AI In Educational Marketing: Customizing Learning Experiences To Attract And Retain Students	Dr. Shruti Javkar, M.V.D.N.S.Madhavi, <b>Babasaheb D Shinde</b> , Deepakumar H Patil, Avinash N. Khadtare, Dr. R. D. Sathiya	Co-author Position No.. 3	FY/ MECH	International Journal of Environmental Sciences	ISSN: 2229-7360	Vol. 11 No. 14s	<a href="https://doi.org/10.64252/vrkh5f61">https://doi.org/10.64252/vrkh5f61</a>	<a href="https://theaspd.com/index.php/ijes/article/view/2534">https://theaspd.com/index.php/ijes/article/view/2534</a>	Scopus	Q3	NA	9-2025	9-2025	Dept. of Mechanical Engineering, CSMSS Chh. Shahu College of Engineering, Chhatrapati Sambhajanagar	57218315608	NA	HiGFLigAAAAJ	Yes	

13	Designing Algorithms for Centralized Point Detection Using Multiple Geo-Locations	Mrs Manasi Karajgar, Dr Pramod Dhamdhare, Dr Swapnil Chaudhari, Dr Bhavana Nerkar, Dr Priyanka Halle, Shinde Babaso A	Co-author Position No. 4	Department of First Year Engineering	International Journal of Environmental Sciences	ISSN: 2229-7359	Vol. 11 No. 7, 2025	<a href="https://doi.org/10.64252/4i3w0421">https://doi.org/10.64252/4i3w0421</a>	<a href="https://theaspd.com/index.php/ijes/article/view/8981">https://theaspd.com/index.php/ijes/article/view/8981</a>	Scopus	Q3	NA	9-2025	9-2025	CSMSS Chh. Shahu College of Engineering, Chhatrapati Sambhajanagar	NA	NA	NA	Yes	
14	Mathematical and Computational Approaches to Modeling Renewable Energy Integration in Power Grids	Suraj Rajesh Karpe, Nambi Rajeswari.G, Krishnakaarthik T, Ch.V.Sivaram Prasad, Shashikant Rangnath Dikle, Mithun G. Aush	Principal (First Author)	Dept. of Sci. & Hum.	International Journal of Applied Mathematics; Publisher : Academic Publications, Sofia, Bulgaria	ISSN: 1311-1728 (printed version); ISSN: 1314-8060	Vol. 38 No. 10s (2025); Page No. 548-560	<a href="https://doi.org/10.12732/ijam.v38i10s.977">https://doi.org/10.12732/ijam.v38i10s.977</a>	<a href="https://ijamjournal.org/ijam/publication/index.php/ijam/article/view/977">https://ijamjournal.org/ijam/publication/index.php/ijam/article/view/977</a>	Scopus	Q3	0.661	28-Nov-25	04-Dec-25	CSMSS Chh. Shahu College of Engineering, Chhatrapati Sambhajanagar	59348386400	CAJ-5123-2022	<a href="https://scolar.google.com/citations?user=ZnV9k48AAA&amp;hl=en">https://scolar.google.com/citations?user=ZnV9k48AAA&amp;hl=en</a>	Yes	
15	Enhancing tuberculosis CT imaging analysis through synthetic data augmentation via deep adversarial models	Vaishali Sandeep Baste, Padmavati Shrivastava, Rahul Patil, Neha Rana, Preeti Pandurang Kale, Bhavana Bansil Nerkar	Co-author (Position No. 6)	Department of First Year Engineering	<a href="http://IndianJournalofTuberculosis">Indian Journal of Tuberculosis</a>	Print ISSN: 0019-5707, Online ISSN: 2589-1278	Volume 72, Pages S39-S46	<a href="https://doi.org/10.1016/j.ijtb.2025.10.007">https://doi.org/10.1016/j.ijtb.2025.10.007</a>	<a href="https://sciencejournalre/index.php/studies-in-science-of-science/article/view/1131">https://sciencejournalre/index.php/studies-in-science-of-science/article/view/1131</a>	Peer Reviewed	NA	NA	16-Oct-25	16-Oct-25	CSMSS Chh. Shahu College of Engineering, Chhatrapati Sambhajanagar	Nil	Nil	Nil	Yes	
16	Analytical Investigation of Two-Mesh Circuit Dynamics Using Adomian's Decomposition Approach	Satyawan L. Dhondge, Vajanth L. Chinchane, Ganesh B. Dongre, Manisha B. Sakhare, Asha B. Nale, Kakasaheb S. Jadhav, Ram B. Aurade	First Author	Department of First Year Engineering	Studies in Science of Science	ISSN:1003-2053	Volume 43, Pages 37-56		<a href="https://sciencejournalre/index.php/studies-in-science-of-science/article/view/1131">https://sciencejournalre/index.php/studies-in-science-of-science/article/view/1131</a>	Scopus	Q4	NA	NA	NA	CSMSS, Chh. Shahu College of Engineering, Chh. Sambhajanagar	NA	NA	2MZ_Vk4AAAAJ&hl=en	Yes	
17	Advanced Numerical Methods for solving non linear partial differential equations in fluid mechanics: Applications in aerospace engineering	M V D N S madhavi, Mir Sohail Ali, Satyawan D. Dhondge, Vijay Narayan Deshmukh, Gajendra R. Gandhe, P V S Sairam	Co-author (Position No. 3)	Department of First Year Engineering	International Journal of Applied Mathematics	1113-1728	Volume 38, Pages 140-152	<a href="https://doi.org/10.12732/ijam.v38i3s.135">https://doi.org/10.12732/ijam.v38i3s.135</a>	<a href="https://ijamjournal.org/ijam/publication/index.php/ijam/article/view/135">https://ijamjournal.org/ijam/publication/index.php/ijam/article/view/135</a>	Peer Reviewed	NA	NA	NA	NA	CSMSS, Chh. Shahu College of Engineering, Chh. Sambhajanagar	NA	NA	2MZ_Vk4AAAAJ&hl=en	Yes	

Note: Along with the index page hereby submitting the above true copies of research papers published per teacher in the Journals indexed on WoS/Scopus/SCI/UGC CARE / peer reviewed to R&D Cell

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