

Research Publications of 2023-24									
S. No.	Title of the publication	Details of the publication (Volume, Issue, Page etc.)	Name of Journal	Author(s)	Name of Author from the J.C. Bose University of Sci. & tech. YMCA Faridabad	Month	Year	Publication house	Department
1	Biogenic fabrication of ZnO@EC and MgO@EC using Eucalyptus leaf extract for the removal of hexavalent chromium Cr (VI) ions from water.	Volume 30, pages 124884–124901	Environmental Science and Pollution Research	Chauhan, A.K., Kataria, N., Gupta R., Garg, VK	Renuka Gupta and Navish Kataria	Jan	2023	Springer	Environmental Sciences
2	Biogenic fabrication of ZnO@EC and MgO@EC using Eucalyptus leaf extract for the removal of hexavalent chromium Cr(VI) ions from water	Volume 30, Pages 124884–124901	Environmental Science & Pollution Research	Amit Kumar Chauhan, Navish Kataria, Renuka Gupta and Vinod Kumar Garg	Dr. Renuka Gupta	Jan	2023	Springer	Environmental Sciences

3	Nanotechnology based technological development in biofuel production: current status and future prospects.	volume177,issue-110304	Enzyme and Microbial Technology	Sheikh, Z. U. D., Bajar, S*, Devi, A., Rose, P. K., Suhag, M., Yadav, A., Yadav, D.K., Deswal, T., Kaur, J., Kothari, R., Pathania, D. and Singh, A.	Dr. Somvir Bajar	Feb	2023	Elsevier	Environmental sciences
4	To achieve sustainability in supply chain with Digital integration: A TISM approach	Vol. 30: 442-451 (2023)	International Journal of Experimental research and review	Nitin Kumar Chauhan*, Vikas Kumar and Sandhya Dixit	Nitin Kumar Chauhan*, Vikas Kumar and Sandhya Dixit	Apr	2023		Mechanical Engg.
5	To achieve sustainability in supply chain with Digital integration: A TISM approach	Volume 30, 442–451.	International Journal of Experimental Research and Review	Nitin Chauhan, Vikas Kumar and Sandhya Dixit	Sandhya Dixit	Apr	2023		Mechanical Engg.
6	Crystal structure, dielectric and magnetic properties of $(1-x)\text{BaTiO}_3(x)\text{BaFe}_{12}\text{O}_{19}$ ($x = 0.50, 0.60, 0.70$) multiferroic composites	Volume 129, article no. 134	Applied Physics A	Anand Kumari, Ompal Singh, Ekta Arya, Meenal Chauhan, Vibha Vermani, Sujata Sanghi & Ashish Agarwal	Dr. Ompal Singh	Apr	2023	Springer Nature	, Physics
7	Polystyrene/ ZnO Nanocomposite Films with Optimized Optical Properties for UV-shielding Applications	Volume 24, pages 217–227	Transactions on Electrical and Electronic Materials	Tamanna Sharma, Maneesha Garg	Tamanna Sharma, Maneesha Garg	Apr	2023	Springer	Physics

8	Field and temperature assisted DC/AC conduction measurements of PS/ ZnO nanocomposite films	Volume 663, Pages 1-9	Physica B: Condensed Matter	Tamanna Sharma, Maneesha Garg	Tamanna Sharma, Maneesha Garg	May	2023	Elsevier	Physics
9	Elucidation of modification in structural and thermal properties of polystyrene nanocomposite films	Volume 46, article number 122, pp. 18	Bulletin of Materials Science	Tamanna Sharma, Maneesha Garg	Tamanna Sharma, Maneesha Garg	Jun	2023	Springer	Physics
10	Effect of ZnO nanoparticles and temperature on dielectric constant/loss properties of polystyrene nanocomposite films	Volume 138, article number 611, pp. 114	The European Physical Journal Plus	Tamanna Sharma, Maneesha Garg	Tamanna Sharma, Maneesha Garg	Jul	2023	Springer	Physics
11	Relaxation behaviour of pristine and ZnO impregnated PS nanocomposite films using thermally stimulated depolarization current technique	Volume 667, 415186: 18	Physica B: Condensed Matter	Tamanna Sharma, Maneesha Garg	Tamanna Sharma, Maneesha Garg	Jul	2023	Elsevier	Physics
12	Fabrication of ultrahigh supercapacitor device based on ZnCo ₂ O ₄ @MnO ₂ with porous nanospheres decorated on flower-shaped structure	Volume 71, 1 November 2023, 108209	Journal of Energy Storage	Sunaina Saini, Prakash Chand, Aman Joshi	Aman Joshi,	Jul	2023	Elsevier	Physics

13	Sustainable utilization and treatment of barnyard grass (Echinochloa crus-galli) weed biomass using vermitechnology	Volume 65, pages 114–123	Tropical Ecology	Renuka Gupta, Monika Mago and Vinod Kumar Garg	Dr. Renuka Gupta	Jul	2023	Springer	Environmental Sciences
14	Sustainable utilization and treatment of barnyard grass (Echinochloa crus-galli) weed biomass using vermitechnology	65 (1), 114-123	Tropical Ecology	Gupta R., M Mago, VK Garg	Renuka Gupta and Monika Mago	Jul	2023	Springer	Environmental Sciences
15	A panoramic view of technological landscape for bioethanol production from various generations of feedstocks.	volume-14,issue-1, page - 81112	Bioengineered	Devi, A., Bajar, S., Sihag, P., Sheikh, Z. U. D., Singh, A., Kaur, J., Bishnoi N.R., Pant D.	Dr. Somvir Bajar	Jul	2023	Taylor and Francis	Environmental sciences
16	Employees' Fairness Perception towards Performance Appraisal System: Antecedents and Consequences	Volume 18, P 2163-2196	Review of Managerial Science	Sapna Taneja, Ravikesh Srivastava, N. Ravichandran	Dr Sapna Taneja	July	2023	Springer	Management Studies
17	India's renewable energy research and policies to phase down coal: Success after Paris agreement and possibilities post-Glasgow Climate Pact.	volume177,issue-106944	Biomass and Bioenergy	Singh, K., Meena, R.S, Kumar, S., Dhyani, S., Sheoran, S., Singh, H.M., Pathak V.V. Khalid, Z., Singh, A., Chopra, K., Bajar, S., Ansari, F.A., Gupta, S.K., Varjani, S., Kothari, R., Tyagi, V.V., Singh, B., Byun, C.	Dr. Somvir Bajar	Aug	2023	Elsevier	Environmental sciences

18	Nonclassicality versus quantum non-Gaussianity of photon-subtracted displaced Fock state	Vol. 101(10), Pg 560-572	Can. J. Phys.	Deepak and A Chatterjee	Deepak and A Chatterjee	Aug	2023	Canadian Science Publishing	Mathematics
19	Dynamics Of Firms' Growth: Evidences from Micro Enterprises In Haryana	Vol.16 /Issue 3/ 2023	Pacific Business Review International	Renu AggarwalManisha GoyalSavita Bhagat	Renu aggarwal, Manisha Goel	Sep	2023	Pacific Institute of Management	Management Studies
20	Electrochemical Performance of MnO2 Composite with Activated Carbon for Supercapacitor Applications	Vol. 30 No. 3 (2023)	Indian Journal of Engineering and Materials Sciences (IJEMS)	Sunaina Saini, Prakash Chand, Aman Joshi	Aman Joshi	Oct	2023		Physics
21	Reliability characteristics of two units'Parallel system with a refreshment facility subject to environment conditions		Innovations in Computational Intelligence and Computer Vision,Proceedings of ICICV,	M.S. Barak, Ajay Kumar, Reena Garg	Ajay Kumar, Reena Garg	Oct	2023	Springer Nature	Mathematics
22	Finite element analysis of a 3D triboelectric nanogenerator for biophysical health monitoring applications	Volume-126, Pages-103862	Journal of Electrostatics	Shivani Gupta, Yogita Batra	Shivani Gupta, Yogita Batra	Oct	2023	Elsevier	Physics
23	Effect of Mechanical Grinding and Sonication on the Optical Properties of MoS2 Nanosheets	30, 5, 700-705	Indian Journal of Engineering and Materials Sciences (IJEMS)	Shweta, Vinamrita Singh, Kaushal Kumar, Tanuj Kumar, Arun Kumar	Shweta, Kaushal Kumar, Arun Kumar	Oct	2023	NIScPR-CSIR, India	Physics
24	A Study of Enhancement in beta-phase and Dielectric Properties of Fe2O3 Reinforced in PVDF Nanocomposite Thin Films	30, 3, 390-395	Indian Journal of Engineering and Materials Sciences (IJEMS)	Krishna Tewatia, Anuradha Sharma, Arun Kumar, Kaushal Kumar, Sohan Lal, Lakshmi Sowjanya Pali	Krishna Tewatia, Anuradha Sharma, Arun Kumar, Kaushal Kumar	Oct	2023	NIScPR-CSIR, India	Physics

25	Synthesis of MoS ₂ @ TiO ₂ Nanosheets by Liquid Exfoliation Method for Wastewater Treatment	30, 3, 383-389	Indian Journal of Engineering and Materials Sciences (IJEMS)	Shweta, Pooja Singh, Vinamrita Singh, Kaushal Kumar, Sohan Lal, Arun Kumar	Shweta, Pooja Singh, Kaushal Kumar, Arun Kumar	Oct	2023	NIScPR-CSIR, India	Physics
26	Assessment of groundwater quality near municipal solid waste landfill by using multivariate statistical technique and GIS: a case study of Bandhwari (Gurugram) landfill site, Haryana, India.	Volume-9, issue 174, page :1-15	Sustainable Water Resource Management	Yadav, S., Bajar, S., Hemraj, Rohilla, R., Chikkara, SK., Dhankhar, R.	Dr. Somvir Bajar	Nov	2023	Springer	Environmental sciences
27	Waste biomass derived activated carbons for various energy storage device applications: A Review	Volume 78, 1 February 2024, 109996	Journal of Energy Storage	Pankaj Chaudhary, Sonia Bansal, Bharat Bhushan Sharma, Sunaina Saini, Aman Joshi	Pankaj Chaudhary, Sonia Bansal, Aman Joshi	Dec	2023	ELSEVIER	Physics
28	Waste biomass derived activated carbons for various energy storage device applications: A review	Volume 78, 1 February 2024, 109996	Journal of Energy Storage	Pankaj Chaudhary, Sonia Bansal, Bharat Bhushan Sharma, Sunaina Saini, Aman Joshi	Sonia, Aman Joshi	Dec	2023	Elsevier	Physics
29	Web series ke sandarbh mein darshakon ki vyapka aur prathamiktayen: Ek adhyayan	1. 35(2), 80-87.	Sanchar Madhyam	Malik, P. S., Mausam, K., & Patel, S.	Pawan Singh Malik		2023		Communication and Media Technology Dept.

30	Non-verbal communication in Punjabi pop music videos: A study of selected awardwinning songs	4(2), 161–171	Shodhkosh: Journal of Visual and Performing Arts	Kumar, M., & Malik, P. S	Pawan Singh Malik		2023		Communcication and Media Technology Dept.
31	Microstrip and Metamaterial Embedded Patch Antenna Sensors for Determination of Moisture in Rice, Wheat, and Pulse Grains	2024171(1)	Journal of The Electrochemical Society	Priyanka, Sonia Bansal and Preet Kaur	Priyanka, Sonia Bansal and Preet Kaur	Jan	2024		Physics
32	Nonclassicality in a dispersive atom–cavity field interaction in the presence of an external driving field	Vol. 38(31), Pg 2450415(1-16)	Int. J. Mod. Phys. B	Naveen Kumar and A Chatterjee	Naveen Kumar and A Chatterjee	Jan	2024	World Scientific	Mathematics
33	Exploring the thermoelectric potential of Cu ₂ ZnSnS ₄ (CZTS): Experimental insights and future directions	Volume-303, Pages-117291	Materials Science & Engineering B	Komal Gupta , Shivani Gupta , Yogita Batra	Komal Gupta , Shivani Gupta , Yogita Batra	Mar	2024	Elsevier	Physics

34	Vanadium pentoxide gas sensors: An overview of elemental doping strategies and their effect on sensing performance	187, 106838	Catalysis Communications	P Kiran, Priya Jasrotia, Arunima Verma, Arun Kumar, Jehova Jire L Hmar, Tanuj Kumar	Arun Kumar	Feb	2024	Elsevier	Physics
35	Transition metals doped BiPO4 nanostructures for energy storage applications	(982) (2024) 173663	Journal of Alloys and Compounds	Aman Joshi, Prakash Chand, Sunaina Saini	Aman Joshi	Jan	2024	ELSEVIER	Physics
36	Performance evaluation of 2D MoS2-based solar cells and realization of transparent ultrathin devices	32, 3, 035005	Modelling and Simulation in Materials Science and Engineering	Shweta, Vinamrita Singh, Kaushal Kumar, Arun Kumar	Shweta, Kaushal Kumar, Arun Kumar	Feb	2024	IOP Publishing	Physics

Research Publications in 2024-25**Total Count: 44**

S. No.	Title of the publication	Details of the publication (Volume, Issue, Page etc.)	Name of Journal	Author(s)	Name of Author from the J.C. Bose University of Sci. & tech. YMCA Faridabad	Month	Year	Publication house	Department
1	Morphological and Optical Characterization of Hydrothermally-Synthesized Two-Dimensional MoS2 Nanosheets	13 ,02,7005	ECS Journal of Solid State Science and Technology	Afsana and Sonia Bansal		Feb	2024		Physics
2	A new approach to coincidence points and common fixed points under a homotopy of families of mappings in b-metric spaces		Asian-European Journal of Mathematics	Anuradha Gupta, Ankit Kumar, Manu Rohilla	Manu Rohilla	Mar	2024	World Scientific	Mathematics
3	A comparative study on mechanical properties of yttrium oxide and reduced graphene oxide reinforced epoxy nanocomposites	34, 5, 3706-3716	Journal of Materials Engineering and Performance	Pooja Singh, Swati Sharma, Kaushal Kumar, Ganesh Iyer, Arun Kumar	Pooja Singh, Kaushal Kumar, Arun Kumar	Mar	2024	Springer US	Physics
4	Reconfigurable Ring Antenna Sensor for Detection of Adulteration in Liquids	13, 03, 7001	Journal of Solid State Science and Technology	Priyanka, Sonia Bansal and Preet Kaur	Priyanka, Sonia Bansal and Preet Kaur	Mar	2024		Physics
5	Review of MXenes and their composites for energy storage applications	(87) (2024) 111420	Journal of Energy Storage	Sonia Bansal, Pankaj Chaudhary , Bharat Bhushan Sharma, Sunaina Saini, Aman Joshi,	Sonia Bansal, Pankaj Chaudhary, Aman Joshi	MAR	2024	ELSEVIER	Physics

6	Biofabrication and Characterization of Silica-coated Zinc Oxide Nanocomposite: A Sustainable Approach in Remediation of Cr(VI) Contaminated Waste water	Volume 235, article number 372	Water Air and Soil Pollution	Divya Bhushan, and Renuka Gupta	Dr. Renuka Gupta	May	2024	Springer	Environmental Sciences
7	Quantum phase properties of a state driven by a classical field	Vol. 63(5), Article 124(1-17)	Int. J. Theo. Phys.	Naveen Kumar and A Chatterjee	Naveen Kumar and A Chatterjee	May	2024	Springer	Mathematics
8	Viscoelastic behaviour of yttrium oxide and reduced graphene oxide embedded epoxy nanocomposite	6, 2, 025522	Engineering Research Express	Pooja Singh, Swati Sharma, Kaushal Kumar, Ganesh Iyer, Sohan Lal, Arun Kumar	Pooja Singh, Kaushal Kumar, Arun Kumar	May	2024	IOP Publishing	Physics
9	Photocatalytic Activity of MWCNT-Reinforced MoS2 Nanosheets	53, 9, 5193-5203	Journal of Electronic Materials	Shweta, Varsha Singh, Vinamrita Singh, Sridharbabu Yarramaneni, Mohammad Ashiq, Kaushal Kumar, Prikshit Gautam, Arun Kumar	Shweta, Kaushal Kumar, Arun Kumar	Jun	2024	Springer US	Physics

10	A perspective towards sustainable and economically viable approach of waste biorefineries through lignin valorization	volume-1,issue-1, page -1-25	Biomass Conversion and Biorefinery	Devi, A., Bajar, S., Sheikh, Z.U.D., Singh, A., Kotwal, N., Bharti, A., Raina, R., Kouser, R., Kothari, R.	Dr. Somvir Bajar	Jun	2024	Springer	Environmental sciences
11	Low-Cost Flexible Graphene Oxide Humidity Sensor Fabricated Using Inkjet Printing and Aerosol Deposition	171(7) 077513	Journal of The Electrochemical Society The Electrochemical Society (ECS) logo.	Afsana and Sonia Bansal	Afsana and Sonia Bansal	JUL	2024		Physics
12	May-24	235 (6), 372.	Water, Air, & Soil Pollution,	Bhushan D., Gupta R.	Bhushan Divya, Gupta Renuka	MAY	2024		Environmental Sciences
13	Review of MXenes and their composites for energy storage applications	Volume 87, 15 May 2024, 111420	Journal of Energy Storage	Sonia Bansal a, Pankaj Chaudhary a, Bharat Bhushan Sharma b, Sunaina Saini c, Aman Joshi a	Sonia Bansal, Pankaj Chaudhary , Aman Joshi	May	2024		Physics
14	Yttrium ion influence on the structural, electrical, dielectric, and magnetic properties of α -Fe ₂ O ₃ nanoparticles synthesized via Sol-Gel method	Volume 304, Article no. 117351	Materials Science and Engineering: B	Vijay Kumar, Dharamvir Singh Ahlawat, Parmod Kumar, Ompal Singh, Amrik Singh, Sandeep Kumar	Dr. Ompal Singh	Jun	2024	Elsvier	Physics

15	Understanding the Landscape of Gig Workers' Well-Being: A Bibliometric Analysis	Volume 7, Issue 4 P 617-633	International Journal of Community Well-Being	Dr Sapna Taneja	Dr Sapna Taneja	June	2024	Springer Nature	Management Studies
16	From Resistance to Reclamation: Representing Indigenous Concerns in Gopinath Mohanty's Paraja	Vol 13, Issue V, pg. No. 214	Galaxy: International Multidisciplinary Research Journal	Prerna and Divyajyoti Singh	Prerna and Divyajyoti Singh	Aug	2024		Literature and Languages
17	Analysis of glass fiber-reinforced composite leaf springs in a light commercial vehicle	20126	Scientific Reports	Shivam Aggarwal, Krishan Kumar & M. L. Aggarwal	Shivam Aggarwal, Krishan Kumar & M. L. Aggarwal	AUG	2024	Springer Nature	Mechanical Engg.
18	Enhancing efficiency and stability of perovskite solar cells with Bi2Te3 interlayer: insights from SCAPS simulation	Phys.Scr. 99(2024)095936	Physica Scripta	Anju Dagar and Yogita Batra	Anju Dagar and Yogita Batra	Aug	2024	IOP Publishing	Physics
19	Electrochemical performance of graphene-oxide (GO) and MOF5-GO nanocomposite	Volume 30, pages 8659–8672, (2024)	Ionics	Meena Yadav, Isha Saini, Swati Sharma, Prakash Chand, Nidhi Shekhawat, Aman Joshi	Aman Joshi	Sep	2024	Springer	Physics
20	Advancement of germanium-based thermoelectric materials: a bibliometric and network analysis	Volume- 99, Issue- 10, Page- 105051	Physica Scripta	Shivani Gupta, Manish Sharma and Yogita Batra	Shivani Gupta, Yogita Batra	Sept	2024	IOP Publishing	Physics

21	Plant biomass-based nanoparticles for remediation of contaminants from water ecosystems: Recent trends, challenges, and future perspectives.	Volume 365, October 2024, 143340.	Chemosphere	Bhushan D., Shoran S., Kumar R., Gupta R.	Divya Bhushan , Sachin Sheron and Renuka Gupta	OCT	2024		Environmental Sciences
22	Study of di-/ferro-/Piezoelectric properties of Sm ³⁺ doped ZnO nanoparticles	Journal of Electronic Materials 54, no. 1 (2025): 76-90.	journal of electronics material	Radha Verma, Rashi Gupta, Sahil Goel, Komal Verma, Krishan Kant, Rajesh Kumar, Maneesha Garg	Radha Verma, Rashi Gupta, Maneesha Garg	Oct	2024	Springer	Physics
23	Investigation of Dielectric and Piezoelectric Properties of Polyvinylidene Fluoride Films Reinforced with Anatase Phase Titanium Dioxide for Pressure Sensing	54, 1, 103-113	Journal of Electronic Materials	Krishna Tewatia, Anuradha Sharma, Sohan Lal, Sridharbabu Yarramaneni, Tanuj Kumar, Arun Kumar	Krishna Tewatia, Anuradha Sharma, Arun Kumar	Oct	2024	Springer US	Physics
24	A comprehensive review: Photodegradation of dyes with rare earth doped metal oxide nanoparticles for wastewater treatment	Vol. 200 pp. 112593	Journal of Physics and Chemistry of Solids	Himani Shukla, Rajni Gautam , Sushma, Neeraj Kumar	Dr. Sushma	Oct	2024	Elsevier	Environmental sciences
25	Energy Storage Devices: Supercapacitor, Fuel Cells, Rechargeable Batteries, PV/Solar Cells, Hydrogen Storage Devices, and Semiconductors	Vol. 1488 2024 pp 169-197	ACS Symposium Series	Pankaj Chaudhary , Aman Joshi, Sonia Bansal, Preet Kaur	Pankaj Chaudhary, Aman Joshi, Sonia Bansal, Preet Kaur	Nov	2024	ACS Symposium Series	Physics

26	Synergetic Effect of TiO2 Toward Mechanically and Thermally Stable Hybrid Epoxy Nanocomposites: A Review	64, 5, 633-660	Polymer-Plastics Technology and Materials	Pooja Singh, Swati Sharma, Kaushal Kumar, Sohan Lal, Ganesh Iyer, Arun Kumar	Pooja Singh, Kaushal Kumar, Arun Kumar	NOV	2024	Taylor & Francis	Physics
27	Biomass-Derived Porous Carbon for Supercapacitors	eBook ISBN9781003520566	CRC Press	Sunaina Saini, Aman Joshi, Prakash Chand	Aman Joshi	Nov	2024	CRC Press	Physics
28	Advancements in MXene-Based Materials for Energy Storage Applications	97-123, ACS Symposium Series Vol. 1477	ACS Symposium Series	Pankaj, Aman Joshi, and Sonia Bansal	Pankaj, Aman Joshi, and Sonia Bansal	Nov	2024	ACS	Physics
29	Tailoring Ge-Sb-Te alloys for thermoelectric applications: A review on insights from doping studies	160 (2025) 107813	Solid State Sciences	Puspender Singh Beniwal and Yogita Batra	Puspender Singh Beniwal and Yogita Batra	Dec	2024		Physics
30	Advancements in Ge-based thermoelectric materials for efficient waste heat energy conversion: a comprehensive review	Volume- 100, Issue- 1, Page- 012004,	Physica Scripta	Shivani Gupta, Yogita Batra	Shivani Gupta, Yogita Batra	Dec	2024	IOP Publishing	Physics
31	TRIBOLOGICAL AND THERMAL BEHAVIOR OF LOW-LOADING CARBONACEOUS FILLER-REINFORCED EPOXY NANOCOMPOSITES	16, 2, 77-87	Composites: Mechanics, Computations, Applications: An International Journal	Pooja Singh, Swati Sharma, Kaushal Kumar, Shweta, Ganesh Iyer, Subhankar Das, Arun Kumar	Pooja Singh, Kaushal Kumar, Shweta, Arun Kumar	JAN	2025	Begel House Inc.	Chairperson , Physics

32	Optimizing perovskite solar cells: simulating the impact of Bi ₂ Te ₃ and BiTeI interlayers	Phys.Scr. 100(2025)025919	Physica Scripta	Anju Dagar and Yogita Batra	Anju Dagar and Yogita Batra	JAN	2025	IOP Publishing	Physics
33	Assamese Folklore and Alternative Histories: Legacy of Subaltern Concerns in Tamsula Ao's Short Stories		Myths and Folklores Reading Narratives of Culture		Prerna and Divyajyoti Singh	Feb	2025		Literature and Languages
34	Amish Tripathi's Sita: Warrior of Mithila and the Female Bildungsroman		Myths and Folklores Reading Narratives of Culture	Anita Rani and Divyajyoti Singh	Anita Rani and Divyajyoti Singh	Feb	2025		Literature and Languages
35	Tailoring of rGO in Fe ₃ O ₄ -rGO nanocomposite based hydroelectric cell to enhance green energy production	Volume: 51, Issue: 14 , Page: 18799-18815	Ceramic International	Anjali Bankura, Dr. Anurag Gaur, Prof. Maneesha Garg, Dr. R.K Kotnala	Anjali Bankura, Prof. Maneesha Garg	FEB	2025	Elsevier	Physics
36	Trajectory Tracking Control of SMA-Actuated Flexible Tube Manipulator for Tumor Irradiation Applications	47,4,1-18	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Nisha Bhatt, Sanjeev Soni, Ashish Singla	Nisha Bhatt	MAR	2025	Springer	Mechanical Engg.
37	Study on the structural, dielectric and thermal degradation of poly (methyl methacrylate)-ZnO nanocomposites	Volume 397, 115823: 1-8	Solid State Communications	Vikas Lahariya, Tamanna Sharma, Shilpa Behl	Tamanna Sharma	MAR	2025	Elsevier	Physics

38	Sandwich composite material analysis for its application in electric rickshaw leaf spring	Vol 53, Issue 5	Mechanics Based Design of Structures and Machines: An International Journal	Shivam Aggarwal, Krishan Kumar & M. L. Aggarwal	Shivam Aggarwal, Krishan Kumar & M. L. Aggarwal	APR	2025	Taylor & Francis Group, LLC	Mechanical Engg.
39	Photocatalytic dye degradation of Rhodamine B and Congo Red dye using sulfur doped graphitic carbon nitride and cerium oxide nanocomposite	June 2025, Volume 75, 108052	Journal of Water Process Engineering	Chauhan H., Gupta R.	Chauhan Heena, Gupta Renuka	May	2025	Elsevier	Environmental Sciences
40	Tuning the Optical Properties of Polyvinylidene Fluoride Nanocomposite Films Reinforced with Anatase Phase Titanium Oxide for Optoelectronic Applications	14, 5, 053005	ECS Journal of Solid State Science and Technology	Krishna Tewatia, Anuradha Sharma, Arun Kumar, Sridharbabu Yarramaneni, Ravi P Srivastava	Krishna Tewatia, Anuradha Sharma, Arun Kumar	May	2025	IOP Publishing	Physics
41	Green synthesis and adsorption performance of Eucalyptus globulus leaf modified iron oxide-graphene oxide nanocomposite for Cd(II) and Pb(II) removal from aqueous solution.	47:279, 1-29	Environmental Geochemistry and Health	Bhushan D., Gupta R.	Bhushan Divya, Gupta Renuka	JUN	2025		Environmental Sciences
42	Green Synthesis of Zinc Oxide (ZnO) Nanoparticles from Allium cepa (onion) Peels for Sustainable Cr(VI) Removal: Adsorption Isotherms, Kinetics, Thermodynamics, and Reusability	236:645, pg 1-21	Water, Air, & Soil Pollution,	Chauhan H., Gupta R.	Chauhan Heena, Gupta Renuka	JUL	2025		Environmental Sciences

43	A Critical Review of Used Polymers in the Soil Stabilization: the Global Experiences and Future Perspective	A. (eds) Sustainable Infrastructures. EGRWSE 2023. Lecture Notes in Civil Engineering, vol 355	Book Chapter (SCOPUS)	Ravish, S., Puri, V., Kumari, A., Priya, A., Khan, A., Singh, A.	Dr. Sandeep Ravish and Dr. Vishal Puri		2025	<u>Springer</u>	Civil Engg.
44	Advances in Dry Lean Concrete for Sustainable Infrastructure Development	International Journal of All Research Education and Scientific Methods (IJARESM)	UGC Care	Er. Yogesh Kumar Morya and Dr. Ashish Agarwal	Er. Yogesh Kumar Morya and Dr. Ashish Agarwal		2025	-	Civil Engg.