

List of Publications in AY 2024-25

Name of the Faculty	Number of Publications
Dr. G.V.V. Satyanarayana	5
Dr C.Lavanya	8
Dr V. Mallikarjun Reddy	5
Dr. T.Srinivas	1
Dr. O.S.D. Hima Bindu	4
Mr T Srikanth	2
Mr S. Venkatacharyulu	5
Mr Siva Prasad Raju V	4
Mr. Y.Kamala Raju	3
Mrs. K.Hemalatha	9
Mr V Naresh Kumar Varma	2
Mr A Vittalaiah	3
Mr. C Vivek Kumar	9
Mr. Rathod Ravinder	1
Mr. A Prakash	7
Mr. Polina V V S S R Krishna	7
Mrs. P.S.R.P.SSS Vardhani	-

ESCI JOURNALS:

1. Satyanarayana G.V.V, Vivek Kumar.C., Karthikeyan R.M, Punitha A, Nikolai Ivanovich, Abhishek Joshi & Laith Hussein (2024) “Machine Learning prediction and optimization of compressive strength for blended concrete by applying ANN

- and genetic algorithm” Cogent Engineering 11(1), 2376914
<https://doi.org/10.1080/23311916.2024.2376914>
2. V Mallikarjuna Reddy, Lomada Ramprasad Reddy, Vivek Kumar C, Karthikeyan R, Solovev Sergei , Nikolai Ivanovich Vatin , and Abhishek Joshi (2024) “ML prediction and ANN-PSO based optimization for compressive strength of blended concrete” Cogent Engineering 11 (1), 2380347
<https://doi.org/10.1080/23311916.2024.2380347>

SCOPUS JOURNALS:

3. S. Robert Ravi A.N. Swaminathan, Vivek Kumar Chandra Kumar “Evaluation of Porosity and Permeability for High Strength Concrete Using Rice Husk Ash and Metakaolin as partial re-placement to Cement” Indian Journal of Environmental Protection 44,7,:622-629 (2024)

SCOPUS INDEXED CONFERENCE PROCEEDINGS:

4. Surovi Paul, Vivek Kumar C, Rakesh Chandrashekar, Amandeep Nagpal, Irfan Khan, Rawya Raed and Niti Sharma “Capacity of heterogeneous traffic in urban areas: A level of service estimation” ICSMEE’24 E3S Web Conf., 529, 03012 (2024) <https://doi.org/10.1051/e3sconf/202452903012>
5. Khanapuram Anand Goud, Ch. Balakrishna, Akula Prakash & Sai Krishna Munipally “Assessing the Feasibility of Using Waste Plastic as a Partial Replacement for Fine Aggregate in Cement Tile Production: An Experimental Study” Lecture Notes in Civil Engineering, Springer Nature, Recent Advances in Building Materials and Technologies. IACESD 2023, ISSN 2366-2565 ISBN 978-981-99-9458-8, Vol 456 https://doi.org/10.1007/978-981-99-9458-8_16
6. Vinit Kumar, Munesh Kumar, Nakul Gupta, Akula Prakash, Hemanth Raju T, Amandeep Nagpal, Pradeep Kumar Chandra, Q. Mohammad, “Experimental Study on the Substitution of Waste Rubber Tyre Ash with Natural Sand in the Cement Concrete” ICSMEE’24 E3S Web Conf., 529, 01016 (2024) <https://doi.org/10.1051/e3sconf/202452901016>
7. Akula Prakash, Y Kamala Raju, Sai Krishna Munipally , Pathlavath Shiva Nayak and Kassem AL-Attab “Analysis and Design of an Unsymmetrical Multi-storey building with floating columns in a seismic zone using ETABS” ICSMEE’24 E3S Web Conf., 529, 04010 (2024) <https://doi.org/10.1051/e3sconf/202452904010>
8. Akula Prakash, Rathod Ravinder, A Vittalaiah, Sai Krishna Munipally and Mohammed H. Al-Farouni, “VISSIM Based Traffic Flow Simulation Analysis on Road Network” ICSMEE’24 E3S Web Conf., 529, 03009 (2024) <https://doi.org/10.1051/e3sconf/202452903009>
9. Abhishek Saxena, PVVSSR Krishna, Uma Reddy, Amit Dutt, Ashwani Kumar, Q. Mohammad and Preeti Maan, “Examination of Wind Impacts on RCC Frame Structures in Different Wind Zones” ICSMEE’24 E3S Web Conf., 529, 01011 (2024) <https://doi.org/10.1051/e3sconf/202452901011>
10. Chappidi Naresh, PVVSSR Krishna, G.V.V. Satyanaryana and Laith H. Alzubaidi “Holistic Approach to Multipurpose Stadium Design: Advance

Structural Analysis Strategies” ICSMEE’24 E3S Web Conf., 529, 04004 (2024)
<https://doi.org/10.1051/e3sconf/202452904004>

11. Hima Bindu O S D, G V K S V Prasad and Ramy Al-Fatlawy, “Effect of Water Storage Tank Material on Quality of Water with Storage Period” ICSMEE’24 E3S Web Conf., 529, 03010 (2024)
<https://doi.org/10.1051/e3sconf/202452903010>
12. Akula Prakash, Rathod Ravinder, A Vittalaiah, Sai Krishna Munipally and Mohammed H. Al-Farouni, “VISSIM Based Traffic Flow Simulation Analysis on Road Network” ICSMEE’24 E3S Web Conf., 529, 03009 (2024)
<https://doi.org/10.1051/e3sconf/202452903009>
13. S. Venkat Charyulu, Gudheti Narendar Reddy, Yellavula Narendar and Laith H. Jasim Alzubaidi, “Study on Flood Management and Analysis Using Geographical Information Systems on Godavari, Konaseema District, India” ICSMEE’24 E3S Web Conf., 529, 03011 (2024) <https://doi.org/10.1051/e3sconf/202452903011>
14. Swetha Guduru, Selva Kumar P, J.P. Annie Sweetlin Jebarani, S. Robert Ravi and Haider Alabdeli, “Effect of Leachate containments on Clay liners” ICSMEE’24 E3S Web Conf., 529, 01006 (2024)
<https://doi.org/10.1051/e3sconf/202452901006>
15. Naveen M, Hemalatha K, Srinivasa Reddy V, “Evaluation of Ductility of Hybrid Reinforced Concrete Beams Made with Glass Fiber-Reinforced Polymer Rebar” Lecture Notes in Civil Engineering, International Conference on Recent Advances in Civil Engineering RACE 2022, Online ISBN 978-981-99-2676-3, vol 352. Springer https://doi.org/10.1007/978-981-99-2676-3_51
16. Mohammed Yasir Hussain, K. Hemalatha & V. Srinivasa Reddy, “Evaluation of Flexure Performance of Beam Hybridized with PVA Fiber and GFRP Bars” Lecture Notes in Civil Engineering, International Conference on Recent Advances in Civil Engineering RACE 2022, Online ISBN 978-981-99-2676-3, vol 352. https://doi.org/10.1007/978-981-99-2676-3_53
17. Kotte Sai Krishna, K. Hemalatha & V. Srinivasa Reddy, “Flexure Behavior of Hybrid-Reinforced Concrete Beams Consisting of PVA Fibers and GFRP Bars” Lecture Notes in Civil Engineering, International Conference on Recent Advances in Civil Engineering RACE 2022, Online ISBN 978-981-99-2676-3, vol 352. https://doi.org/10.1007/978-981-99-2676-3_47
18. K Hemalatha, B Achsah Keerthana, M Pranav, Vandanapu Swamy Nadh, Laith H. Alzubaidi “A Narrative study on the strengthening effect of Reinforced Concrete Beams” ICSMEE’24 E3S Web Conf., 529, 01009 (2024)
<https://doi.org/10.1051/e3sconf/202452901009>
19. Shekhar Singh, Hanumant Sharan Singh, Nakul Gupta, K. Hemalatha, Sudarshan T A, Navdeep Singh, Praveen and Q. Mohammad “Effect of Marble Dust Powder on the Properties of Fresh and Hard Concrete” ICSMEE’24 E3S Web Conf., 529, 01018 (2024) <https://doi.org/10.1051/e3sconf/202452901018>
20. K. Hima Bindu, K. Hemalatha, Jagadish Shrisaila Haranatti, Dhamendra “Experimental Studies on Mechanical Properties of Copper Slag Reinforced Concrete Beams under Static Loading” AIP Conf. Proc., 3101, 070002 (2024)
<https://doi.org/10.1063/5.0216802>

21. Tara Singla, Deepa Bisht, Madhur Taneja, Sanjay Bhatnagar, Hemalatha K, Soumita Talukdar "Green Synthesis of Nano catalysts for Sustainable Petrochemical Refining" ICSGET 2024 E3S Web Conf., 547, 03022 (2024) <https://doi.org/10.1051/e3sconf/202454703022>
22. Hekhar Sharma, V. Mallikarjuna Reddy, Gowtham Raj R, Ginni Nijhawan, Dinesh Kumar Yadav, Rawya Raed and Lalit Kumar Tyagi "Leveraging Waste-to-Energy Technologies for Sustainable Development: A Comprehensive Review" ICSMEE'24 E3S Web Conf., 529, 02010 (2024) <https://doi.org/10.1051/e3sconf/202452902010>
23. Ravi Shankar Raman, C Lavanya, V Revathi, Ginni Nijhawan, Dinesh Kumar Yadav, Q. Mohammad and Vandana Arora Sethi "Optimization of RHA and Cement proportion for soil stabilization" ICSMEE'24 E3S Web Conf., 529, 01015 (2024) <https://doi.org/10.1051/e3sconf/202452901015>
24. Ravi Shankar Raman, C Lavanya, Manjunatha, H Pal Thethi, Ashish Parmar, Laith H. Q. Mohammad and Vandana Arora Sethi, "Advancements in Soil Stabilization: The Efficacy of Fly Ash and GGBS" ICSMEE'24 E3S Web Conf., 529, 01014 (2024) <https://doi.org/10.1051/e3sconf/202452901014>
25. C. Lavanya, M. Nikitha, N. Swetha, K. Nikhitha and Laith Hussein "Assessment and Estimation of Water Quality Using Multi-Linear Regression" ICSMEE'24 E3S Web Conf., 529, 01014 (2024) <https://doi.org/10.1051/e3sconf/202452903007>
26. Aleti Ganesh, C. Vivek Kumar, G. V. V. Satyanarayana & Joga Himavarsha "Effect of Incremental Loading with Construction Sequence Analysis of an RCC Floating Column Building Located in High Seismic Prone Areas" Lecture Notes in Civil Engineering, International Conference on Recent Advances in Civil Engineering RACE 2022, Online ISBN 978-981-99-2676-3, vol 352. https://doi.org/10.1007/978-981-99-2676-3_42
27. Danish Hussain, Ashish Shukla, Sunita Bansal, Nakul Gupta, S Venkat Charyulu, Sujin Jose, Alok Jain, Ashish Parmar, Zahraa N. Salman Laith, "Seismic Parametric Analysis of RC Multi-Storied Buildings with and Without Fluid Viscous Dampers" ICSMEE'24 E3S Web Conf., 529, 01017 (2024) <https://doi.org/10.1051/e3sconf/202452901017>
28. G. Mounika Naidu; K. Thangamani; C. Vivek Kumar; Vijaylakshmi Sajwan "Stabilization of petroleum contaminated red soil by using lime" AIP Conf. Proc., 3101, 080001 (2024) <https://doi.org/10.1063/5.0214136>
29. Balpreet Singh, Babita Rawat, Jaspreet Sidhu, Arvind Kumar, Sakshi Sobti, Akula Prakash and Sonia "Nanomaterials in Tissue Engineering for Sustainable Healthcare Solutions" ICSGET'24 E3S Web Conf., 547, 03024 (2024) <https://doi.org/10.1051/e3sconf/202454703024>
30. Rajat Gera, Nitin Bhardwaj, Neeti Mishr, Vaibhav Kaushik, Girish Kalele5, O.S.D. Hima Bindu and Priyanka Sharma "Sustainable Approaches for Recycling Lithium-ion Battery Materials" ICSGET'24 E3S Web Conf., 547, 02012 (2024) <https://doi.org/10.1051/e3sconf/202454702012>
31. Rajat Gera, Harminder Singh, Mohsin Ikram, Nipun Setia, Prabhat Sharma, V. Siva Prasad Raju and Shivani Kampa "Recycling of Solar Panels: Sustainable

- Disposal of Photovoltaic Materials” ICSGET’24 E3S Web Conf., 547, 02011 (2024) <https://doi.org/10.1051/e3sconf/202454702011>
32. Nandini Srivastava, Harminder Singh, Mohsin Ikram, Nipun Setia, Prabhat Sharma, V. Siva Prasad Raju and Shivani Kampani “Sustainable Vision-Based Navigation for Autonomous Electric Vehicle Charging” ICSGET’24 E3S Web Conf., 547, 03014 (2024) <https://doi.org/10.1051/e3sconf/202454703014>
33. Gazal Sharma, Rajat Singh, Prabhjot Kaur, Nishant Bhardwaj, Lavanya C and Shradhey “Green Materials for Sustainable Water Desalination: Nanocomposite Membranes” ICSGET’24 E3S Web Conf., 547, 03021 (2024) <https://doi.org/10.1051/e3sconf/202454703021>
34. Alok Jain, Sunil Prakash, Shubnash Bansal, Rajeev Sharma, G.V.V.Satyanarayana, Binitendra Nath Monglac “Green Synthesis of Nanocomposite Catalysts for Environmental Remediation” ICSGET’24 E3S Web Conf., 547, 03023 (2024) <https://doi.org/10.1051/e3sconf/2024547030213>
35. Alok Jain, Sunil Prakash, Shubnash Bansal, Rajeev Sharma, G.V.V.Satyanarayana, Binitendra Nath Monglac “Optimizing Solar- Wind Hybrid Microgrid Designs with Particle Swarm Techniques for Sustainable Energy Integration” ICSGET’24 E3S Web Conf., 547, 01006 (2024) <https://doi.org/10.1051/e3sconf/202454701006>
36. Archana Sehgal, Deepti Sharma, Ansh Kataria, , Raman Verma, C Vivek Kumar, Binitendra Naath Monga “Polymer Matrix Nanocomposites for Lightweight Sustainable Automotive Parts” ICSGET’24 E3S Web Conf., 547, 70301 (2024) <https://doi.org/10.1051/e3sconf/20245470301>
37. Shashank Srivastava, V. Asha, Navajyoth B, Ginni Nijhawan, PVVSSR Krishna, Fouad A. Al-Saady, K Nishanth Rao “Advanced Interdisciplinary Approach in Construction Industry: Internet of Things (IOT)” ICMPC’24 E3S Web Conf., 552, 01115 (2024) <https://doi.org/10.1051/e3sconf/202455201115>
38. Lalit Bhalla, Archana Saxena, Pratibha Sharma, Tannmay Gupta, Pvvssr Krishna, Anjali Vyas “Enhanced Water Treatment using Sustainable nanomaterial based Adsorbents” ICSGET’24 E3S Web Conf., 547, 03027 (2024) <https://doi.org/10.1051/e3sconf/202454703027>
39. Koushal Dhamija, Vegiraju Naresh Kumar Varma, Manish Gupta, Hemanth Raju T, Praveen, Rahman S. Zabibah, Nayani Uday Ranjan Goud “Comparative analysis of RCC and PT Slabs underneath Lateral Loading: A Structural study using ETABS” ICMPC’24 E3S Web Conf., 552, 01140 (2024) <https://doi.org/10.1051/e3sconf/202455201140>
40. Keval Bhavsar, Shaymaa Ahmed, Mayur Pal Singh Pawar, Vivek Kumar C, Revathi V, Navdeep Singh and S.V.S. Prasad “Sustainability in Electromagnetic Metamaterials: Synthesis, Applications, and Future Directions with Challenges” ICMPC’24 E3S Web Conf., 552, 01100 (2024) <https://doi.org/10.1051/e3sconf/202455201100>
41. Koushal Dhamija, OSD Hima Bindu, N V Uma Reddy, Rajeev Sobti, Q. Mohammad, Ravi Kalra, B Nagaraj Goud “Construction and Seismic Performance Evaluation of Concrete Water Tanks” ICMPC’24 E3S Web Conf., 552, 01141 (2024) <https://doi.org/10.1051/e3sconf/202455201141>

42. Vishal Sharma, Mansi Nautiyal, Pavas Saini, Sahil Khurana, Venkat S Charyulu , Anjali Vyas, "Sustainable Energy Conversion via Organic Photovoltaics: Material Selection and Evaluation" ICSGET'24 E3S Web Conf., 547, 01021 (2024) <https://doi.org/10.1051/e3sconf/202454701021>
43. Pankaj Sonia, Aravinda K, Nibras Hayder, S Venkatcharyulu, Sorabh Lakhanpal, Harjeet Singh6, K Limbadri "Finite Element Analysis of 3D Printed Block Prepared of Sustainable Acrylonitrile Butadiene Styrene (ABS)" ICMPC'24 E3S Web Conf., 552, 01104 (2024) <https://doi.org/10.1051/e3sconf/202455201104>
44. Ved Prakash Mishra, Nibras Hayder, G V V Satyanarayana, Uma Reddy, Sorabh Lakhanpal, Ankit Meheta, Yelamasetti Balram, "Sustainable Compositions and 3D Printing Technologies for Characterizing and Optimizing Recycled PETG" ICMPC'24 E3S Web Conf., 552, 01105 (2024) <https://doi.org/10.1051/e3sconf/202455201105>
45. Anurag Shrivastava, Akhilesh Singh, Zahraa Najah, K Hemalatha, Anandhi R J, Navdeep Singh, Harika Patnala, "Sustainable Manufacturing Practices: Evaluating the Environmental Benefits of Biodegradable Polymers and Recycled Metals" ICMPC'24 E3S Web Conf., 552, 01105 (2024) <https://doi.org/10.1051/e3sconf/202455201098>
46. M. Rathna Chary ; Garapati Venkat Sai Prasad; Y. Kamala Raju; Manisha Saini "Properties of concrete by partial replacement of cement by using sawdust and eggshell powder material Metakaolin" AIP Conf. Proc., 3101, 090001 (2024) <https://doi.org/10.1063/5.0216924>
47. Sarvesh Vyas, Ali K. Alhussainy, Y Kamala Raju, Manjunatha, Arun Pratap Srivastava, Alok Jain, T Vijetha "Analytical Review on Enhancing Sustainability in microsystems by Integrating MEMS for Compact Design" ICMPC'24 E3S Web Conf., 552, 01108 (2024) <https://doi.org/10.1051/e3sconf/202455201108>
48. Umang Parmar, Shaymaa Ahmed, Rahul Vayas, C Lavanya, Manjunatha, Navdeep Singh, Harikishor Kumar, "Towards Sustainable Ceramic Forming: Techniques, Materials, and Applications in Evolving Paradigms" ICMPC'24 E3S Web Conf., 552, 01099 (2024) <https://doi.org/10.1051/e3sconf/202455201099>
49. Rushil Shah, Abhijit Saha, Zahraa Najah, Akula Prakash, Uma Reddy, Amandeep Nagpal, V Haripriya, "Role of Quantum Dots and Nanostructures in Photovoltaic Energy Conversion" ICMPC'24 E3S Web Conf., 552, 01096 (2024) <https://doi.org/10.1051/e3sconf/202455201096>
50. Devendra Singh Thapa, Zahraa Najah, Vivek Khosla, Rathod Ravinder, Swathi B, Amandeep Nagpal, Ashok Kumar Cheeli, "Sustainable Solutions in Sound Shielding: Harnessing Metamaterials for Acoustic Cloaking" ICMPC'24 E3S Web Conf., 552, 01097 (2024) <https://doi.org/10.1051/e3sconf/202455201097>
51. Swathi Baswaraju, V. Siva Prasada Raju, Rajeev Sobti, Ashwani Kumar, Rawya Raed, Surovi Paul, N Karthik, "Study on UPQC Integration Benefits in a Hybrid Solar Wind Energy System" ICMPC'24 E3S Web Conf., 552, 01139 (2024) <https://doi.org/10.1051/e3sconf/202455201139>
52. Amit Dutt, Neha Saini, Akhilesh Kalia, Pranay Madan, T Srikanth, Soumita Talukdar, "Biocompatible Nanomaterials for Sustainable Biomedical Applications" ICSGET'24 E3S Web Conf., 547, 03020 (2024) <https://doi.org/10.1051/e3sconf/202454703020>

53. Mukul Mishra, Amit Dutt, Neha Saini, Akhilesh Kalia, Praney Madan, T Srikanth, Soumita Talukdar, "Assessing the Environmental Impact of Advanced Energy Storage Solutions: A Comparative Lifecycle Analysis" ICSGET'24 E3S Web Conf., 547, 03025 (2024) <https://doi.org/10.1051/e3sconf/202454703025>
54. Neelesh Vishwakarma, A. Vittalaiah, N V Uma Reddy, Rajeev Sobti, Ashwani Kumar, Q. Mohammad, A Shubhangi Rao, "Enhancing Solar PV Performance: Advanced Converters for Efficient Green Energy Conversion and Grid Compatibility" ICMPC'24 E3S Web Conf., 552, 01137 (2024) <https://doi.org/10.1051/e3sconf/202455201137>
55. Garapati Venkata Sai Prasad ; M. Rathna Chary; V. Mallikarjuna Reddy; Praveen Kumar Shah "Experimental study on eco-bricks for construction" AIP Conf. Proc., 3101, 070002 (2024) <https://doi.org/10.1063/5.0216325>
56. Vitaliy Lukinov, Vivek Kumar C, L.Venkateswara Reddy, Mridula Gupta, Dr.Mohsin Ikram, Dr. Alok Jain, Raman Verma, Prashant Sharma, Layth Hussein "Mitigating Urban Heat Islands Using Green" Empowering Tomorrow: Clean Energy, Climate Action, and Responsible Production E3S Web Conf., 581, 01020 (2024) <https://doi.org/10.1051/e3sconf/202458101020>
57. Balpreet Singh, V Mallikarjuna Reddy, K Ramakrishna Reddy, Pratibha Sharama, Ms.Mansi Nautiyal, Sanjay Bhatnagar, Raisul Islam, Haider Alabdelli "Modeling the impact of deforestation on Global warming using system dynamics" Empowering Tomorrow: Clean Energy, Climate Action, and Responsible Production E3S Web Conf., 581, 01020 (2024) <https://doi.org/10.1051/e3sconf/202458101023>
58. Nitin Bhardwaj, A. Vittalaiah, Angadi Seshapp, Himanshu Makhija, Rajat Singh, Raman Verma, Manish Gupta and Hassan M. Al-Jawahry "Optimization of Wind Farm Layout using Genetic Algorithms" Empowering Tomorrow: Clean Energy, Climate Action, and Responsible Production E3S Web Conf., 581, 01024 (2024) <https://doi.org/10.1051/e3sconf/202458101024>
59. Gaurav Pushkarna, K. Hemalatha, Angadi Seshapp, Jaskirat Singh, Babita Rawat, Tannmay Gupta, Kushagra Kulshreshtha and Myasar Mundher Adnan "Life Cycle Analysis of Biodegradable Plastics using Cradle-to-Grave Assessment" Empowering Tomorrow: Clean Energy, Climate Action, and Responsible Production E3S Web Conf., 581, 01025 (2024) <https://doi.org/10.1051/e3sconf/202458101025>
60. Gaurav Sethi, C. Lavanya, Ch. Chandana, Sulabh Mahajan, Ashish Pathani, Sahil Khurana, Sunil Kumar and Dilshad A.H. Alhadrawi "Assessing Sustainable Water Management Using Integrated Water Resources Management (IWRM)" Empowering Tomorrow: Clean Energy, Climate Action, and Responsible Production E3S Web Conf., 581, 01040 (2024) <https://doi.org/10.1051/e3sconf/202458101040>
61. C Vivek Kumar, J S S K Vasa, M Rishabalaxmi, S J Shivraj and M Ganesh "Performance Evaluation of Ternary Blended Cement Concrete with Manufactured Sand using Alccofine and Zeolite in different replacement levels" Journal of Physics: Conference Series 6th ICAMM, 2837, 012015 (2024) 10.1088/1742-6596/2837/1/012015

62. Gongalla Nitish Kumar, G V V Satyanarayana and C Vivek Kumar “Experimental Studies on properties of Blended High Strength Concrete with the impact of SCM” Journal of Physics: Conference Series 6th ICAMM, 2837, 012029 (2024)
63. Nikolay Linkov, PVVSSR Krishna, Mudigonda Rathna Chary, Rajesh Deorari, Sakshi Pandey, Namita Kaur, Aseem Aneja and Gaurav Katoch “Enhanced Thermoelectric Performance of Poly(3,4-ethylenedioxythiophene) and Graphene/Poly(3,4-ethylenedioxythiophene) Composites via Vapor Phase Polymerization” Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024), E3S Web Conf., 588,03001 (2024) <https://doi.org/10.1051/e3sconf/202458803001>
64. Nikolay Linkov, PVVSSR Krishna, Garapati Venkata Sai Prasad, Sudhir Jugran, Ankit Punia, Suresh Kumar, Danish Kundra and Anju Goyal “Improving Mechanical Properties of Poly(ethylene oxide) Composites Using RAFT-Modified SiO₂ Nanoparticles” Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024), E3S Web Conf., 588,03002 (2024) <https://doi.org/10.1051/e3sconf/202458803002>
65. Maxim Aleksandrovskiy, Y. Kamala Raju, Srinivasa Reddy Vempada, Ankita Joshi, Dhiraj Singh, Lalit Bhalla, Amanveer Singh and Chander Mohan “Comparative Synthesis of Copper Nanoparticles Using Various Reduction Methods: Size Control, Stability, and Environmental Considerations” Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024), E3S Web Conf., 588, 02002 (2024) <https://doi.org/10.1051/e3sconf/202458802002>
66. Vegiraju Naresh Kumar Varma, Thangamani Kothapally, Manoj Dhyani, Rahul Thakur, Sunila Choudhary and Gauri “Antimicrobial Properties of Ion-Modified Zeolite Composites: A Study on Biofilm Inhibition and Bacterial Cell Viability” Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024), E3S Web Conf., 588, 02003 (2024) <https://doi.org/10.1051/e3sconf/202458802003>
67. Tummala Srinivas, Soumya Sucharita Singha, Abhishek Joshi, Saket Mishra, Archana Sehgal, Abhiraj Malhotra, Gazal Sharma “Investigation of Cu Doping Concentration on the Structural and Antimicrobial Properties of TiO₂ Thin Films” Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024), E3S Web Conf., 588, 02001 (2024) <https://doi.org/10.1051/e3sconf/202458802001>
68. Darya Viktorovna Nemova¹, Akula Prakash, Angothu Saida, Alok Kumar Pandey, Takveer Singh, Megha Jagga and Rohit Kumar “Enhanced Gas Sensing Performance of Heterostructure Sensors Based on H-NCD, MoS₂, and Functionalized Graphene Oxide for Ethanol, NH₃, and NO₂ Detection” Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024), E3S Web Conf., 588, 02004 (2024) <https://doi.org/10.1051/e3sconf/202458802004>
69. Batchu Ramanjaneyulu, Tangudu Manoj, M. Ashok Kumar, Jagadeesh Bommisetty, Dr. B. Naga Malleswara Rao and C. Lavanya “Transforming Treacherous Terrains: Enhancing Black Cotton Soil Stability with Calcium

- Lignosulfonate and Marble Dust” Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024), E3S Web Conf., 588, 02018 (2024) <https://doi.org/10.1051/e3sconf/202458802018>
70. Rajat Gera, Harminder Singh, Mohsin Ikram, Nipun Setia, Prabhat Sharma, V. Siva Prasad Raju and Shivani Kampa “Recycling of Solar Panels: Sustainable Disposal of Photovoltaic Materials” ICSGET’24 E3S Web Conf., 547, 02011 (2024) <https://doi.org/10.1051/e3sconf/202454702011>
 71. C. Lavanya, Miryala Vijayakumar, Anil Kumar Saxena, Aashim Dhawan, Manish Kumar, Sumeet Singh Sarpal and Ramica Sharma “Diffusion Dynamics of Rhodamine B Through Layered Silk Fibroin Hydrogels Reinforced with Polyethylene Terephthalate Nonwoven Textile” Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024), E3S Web Conf., 588, 03004 (2024) <https://doi.org/10.1051/e3sconf/202458803004>
 72. Archana Sehgal, V. Siva Prasada Raju, Chidananda K, Saket Mishra, Neeti Mishra, Abhiraj Malhotra, Kanchan Yadav and Ramy Riad Al-Fatlawy “Reducing Greenhouse Gas Emissions in Transportation using Electric Vehicles and Simulation Modeling” Empowering Tomorrow: Clean Energy, Climate Action, and Responsible Production, E3S Web Conf., 581, 01026 (2024) <https://doi.org/10.1051/e3sconf/202458101026>
 73. S. Robert Ravi A.N. Swaminathan Vivek Kumar Chandra Kumar “Evaluation of Porosity and Permeability for High Strength Concrete Using Rice Husk Ash and Metakaolin as partial re-placement to Cement” Indian Journal of Environmental Protection 44,7,:622-629 (2024)
 74. S. Venkatcharyulu, Jagadish Shrisaila Haranatti, Rishi Dev Nautiyal, Komal Parashar, Vikas Verma, Abhinav Rathour and Jitender Singh “Diffusion and Interaction Studies of Dye in Agarose Hydrogel Enriched with TiO₂ Nanoparticles: A Temperature-Dependent Analysis” Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024), E3S Web Conf., 588, 03004 (2024) <https://doi.org/10.1051/e3sconf/202458803004>
 75. Nikolai Ivanovich Vatin, G.V.V. Satyanarayana, Kalluri Anil, Anup Singh Negi, Nittin Sharma, Manvinder Brar and Diksha Sharma “Effect of Sterilization Methods on the Morphological, Molecular, and Biocompatibility Characteristics of Nanofibrous PEEK Layers” Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024), E3S Web Conf., 588, 01001 (2024) <https://doi.org/10.1051/e3sconf/202458801001>
 76. Anatoliy Trebukhin, O.S.D. Hima Bindu, Kotha Hima Bindu, Nitin Duklan, Nimesh Raj, Anubhav Bhalla and Sachin Sharma “Influence of Nanoparticles on the Mechanical and Durability Properties of Concrete: A Microstructural Analysis” Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024), E3S Web Conf., 588, 03005 (2024) <https://doi.org/10.1051/e3sconf/202458803005>