



**List of All ECSoE Publications**  
**(Journals / Conferences / Book Chapters / Patents)**

## Journals

2023

1. **Spandana Paritala, Kailash Kumar Singaram, Indira Bathina, Mohd Ataulh Khan, Sri Kalyana Rama Jyosyula**, "Rheology and pumpability of mix suitable for extrusion-based concrete 3D printing - A review", *Construction and Building Materials*, Volume 402, 2023, 132962, ISSN 0950-0618, <https://doi.org/10.1016/j.conbuildmat.2023.132962>
2. **Ruhatiya, C, Gandra, R, Kondaiah, P**, Garg, A, Tibrewala, H., "Extreme cold-weather battery thermal management for optimal electric vehicle performance". *Energy Storage*. 2023; e520. doi:10.1002/est2.520
3. **Nagaraju Napa, Manish Kumar Agrawal, Bhaskar Tamma**, "Design of novel thermal management system for Li-ion battery module using metal matrix based passive cooling method", *Journal of Energy Storage*, Volume 73, Part C, 2023, 109119, ISSN 2352-152X, <https://doi.org/10.1016/j.est.2023.109119>.
4. Piyali Biswas, **Bishnu Pada Pal**, Somnath Ghosh, "Ultra-wide bandwidth all-solid specialty bandgap fiber for ultrashort pulse delivery", *Springer Nature - Optical and Quantum Electronics*; <https://doi.org/10.21203/rs.3.rs-1941188/v1> (In Press)
5. **Pathange, Monali Sahu; P. V., Amith Kumar,** "Locating the Unlocatable': The Voyage on the 'Mytho-Political' Borderland in Ben Okri's Songs of Enchantment.", *IUP Journal of English Studies*; Jun2023, Vol. 18 Issue 2, p27-40. 14p
6. R. Dwivedi, A. Tiwari, **N. Bharill** et al., "A Novel Clustering-Based Hybrid Feature Selection Approach Using Ant Colony Optimization," *Arabian Journal of Science and Engineering*, Springer, March 2023, <https://doi.org/10.1007/s13369-023-07719-7>. (Impact factor: 2.9, SCIE Index)
7. Jha, P., Tiwari, A., **Bharill, N.**, Ratnaparkhe, Milind, Patel, **Om Prakash**, Harshith, Nilagiri, Mounika, Mukkamalla, Nagendra, Neha "Apache Spark-based scalable feature extraction approaches for protein sequence and their clustering performance analysis". *Int J Data Sci Anal* 15, 359–378 (2023). <https://doi.org/10.1007/s41060-022-00381-6>
8. **Boinapally S, Kolla A, Kainthola J, Ruthviz K and Vemuri J** (2023), A state of the art review of the electrocoagulation technology for waste water treatment, *Water Cycle Journal*, 4(1), pp 26-36, <https://doi.org/10.1016/j.watcyc.2023.01.001>
9. **F. M. Wani, R Kodali, Devireddy S, A Bondada, SReddy, J Vemuri, MA Khan** (2023) "Finite element analysis of unreinforced masonry walls with different bond patterns", *Sustainable Engineering and Innovation*, Vol. 5, No. 1, pp. 58-72, <https://doi.org/10.37868/sei.v5i1.id194>
10. Avulapalle, N., Rajaram, C., & **Vemuri, J.** (2023). "Assessment of seismic retrofitting interventions in reinforced concrete structures". *Geohazard Mechanics*, 1(2), 16, <https://doi.org/10.1016/j.ghm.2023.04.003>
11. Wani, F., **Vemuri, J.**, & Rajaram, C., (2023). "Evaluation of ground motion parameters and seismic response of reinforced concrete structures from the 2011 Sikkim earthquake". *Geohazard Mechanics*, 1(2), 18, <https://doi.org/10.1016/j.ghm.2023.05.001>
12. Sankha Chakraborty, Ramesh Kumar, **Jayato Nayak**, Byong-Hun Jeon, Shashi Kant Dargar, Suraj K. Tripathy, Parimal Pal, Geon-Soo Ha, Kwang Ho Kim, Michał Jasiński, "Green synthesis of MeOH derivatives through in situ catalytic transformations of captured CO<sub>2</sub> in a membrane integrated photo-microreactor system: A state-of-art review for carbon capture and utilization", *Renewable and Sustainable Energy Reviews*, Volume 182, 2023, 113417, ISSN 1364-0321, <https://doi.org/10.1016/j.rser.2023.113417>
13. **Sidhu Ramulu Duddu, Vamsi Kommanamanchi, Hariprasad Chennarapu**, and Umashankar Balunaini. (2023). "Evaluating Improved Moduli of Geogrid-Stabilized Sandy Soil with a Deflectometer". *Proceedings of the Institution of Civil Engineers (ICE) - Ground Improvement*. P 1-34. doi: 10.1680/jgrim.22.00075. (Q2-ESCI)
14. Zoheb Nawaz Md, Mohan S C, **Sri Kalyana Rama Jyosyula**, "Development of low-cost base isolation technique using multi-criteria optimization and its application to masonry building", *Soil Dynamics and Earthquake Engineering*, Volume 172, 2023, 108024, ISSN 0267-7261, <https://doi.org/10.1016/j.soildyn.2023.108024>
15. Nitika Tiwari, Sankha Chakraborty, Kundan Samal, Sanjib Moulick, Benu Gopal Mohapatra, Sasmita Samanta, P.K. Mohapatra, Kali Sanjay, **Jayato Nayak**, Shirsendu Banerjee, Suraj K. Tripathy,

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## International/National Conferences/Workshops

2023

1. Sloka Gampa, **Sri Kalyana Rama Jyosyula**. "Impact of inhibiting factors on the efficiency of Precast Construction Projects using Kendall's concordance method" at International Conference on Cement and Building Concrete for a sustainable and Resilient infrastructure (CBKR 2023), 28-29 March 2023, organized by NIT Warangal.
2. Ramesh. G, **Talakokula, V.**, and **Sri Kalyana Rama, J.**, (2023), "Monitoring of crack initiation and propagation of plain concrete with natural mineral admixture and natural fibers using surface bonded piezoelectric sensor", at 4th Structural Integrity Conference and Exhibition (SICE-2022), Indian Institute of Technology (IIT-H), Hyderabad, 14th - 16th December 2022.
3. Dwivedi, R., Tiwari, A., **Bharill, N.**, Ratnaparkhe, M. (2023). A Hybrid Feature Selection Approach for Data Clustering Based on Ant Colony Optimization. In: Tanveer, M., Agarwal, S., Ozawa, S., Ekbal, A., Jatowt, A. (eds) Neural Information Processing. ICONIP 2022. Lecture Notes in Computer Science, vol 13625. Springer, Cham. [https://doi.org/10.1007/978-3-031-30111-7\\_55](https://doi.org/10.1007/978-3-031-30111-7_55)
4. S. S. V. D. Rangoju, **O. P. Patel and N. Bharill**, "Advanced Quantum Inspired Evolutionary Algorithm for Multivariate Optimization," 2022 IEEE/ACIS 23rd International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD), Taichung, Taiwan, 2022, pp. 97-102, doi: 10.1109/SNPD54884.2022.10051777; Date Added to IEEE Xplore: 06 March 2023
5. P. Jha, A. Tiwari, **N. Bharill, O.P Patel** et al, "Machine Learning Algorithm for Soybean Leaf Disease Detection," International Conference on Vegetable Oils-2023 (ICVO 2023), Hyderabad, January 17-21, (2023) (In press).
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8. P. Jha, A. Tiwari, **N. Bharill**, M. Ratnaparkhe, **O. P. Patel**, R. Pulakitha, A. Chauhan., "High-Performance Computing based Scalable Online Fuzzy Clustering Algorithms for Big Data," 2022 IEEE Symposium Series on Computational Intelligence (SSCI), Singapore, Singapore, 2022, pp. 1400-1407, doi: 10.1109/SSCI51031.2022.10022194; Date Added to IEEE Xplore: 30 January 2023
9. Neeraj Kumar Pradhan, Arindrajit Choudhary, **Debasis Chakraborty**, Neeraj Kumbhakarna, "Modified Multiflame Model for AP-HTPB Composite Propellant Combustion", Paper accepted for oral presentation in 14th Asia-Pacific Conference on Combustion, Kaohsiung Exhibition Center, Kaohsiung, Taiwan, 14th-18th May 2023.
10. Vatsalya Sharma, Vinayak Eswaran and **Debasis Chakraborty**: "Numerical Study of Maneuverability Control in High Speed Aero-vehicles using Transverse Sonic Jet Injectors", Paper accepted for in-person presentation in AIAA Aviation forum 2023.

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15. S. S. Vivek Dhir Rangoju, O. Prakash Patel and N. Bharill, "Advanced Quantum Inspired Evolutionary Optimization Algorithm," 2022 International Conference on Emerging Techniques in Computational Intelligence (ICETCI), Hyderabad, India, 2022, pp. 57-64, doi: 10.1109/ICETCI5171.2022.9921362.
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