

Publications

(a) International Journals

1. *Jha, K and Gurumoorthy, B 2000 "Multiple feature interpretation across domains", Computer in Industry, 42(1), pp 13-32. SCIE.*
2. *Jha, K and Gurumoorthy, B 2000 "Automatic propagation of feature modification across domains", Computer Aided Design, 32(12), pp 691-706, SCI.*
3. *Jha, Kailash, 2004 "Minimum Energy Based Interpolation for Interactive Incremental Well-path design". International Journal of Computer Aided Engineering and Software, 21(7), PP: 679-691, SCIE.*
4. *Jha Kailash, 2005 "Energy based multiple refitting for skinning", International Journal of CAD/CAM, Vol. 5, No. 1, 11-88. Now Journal of Computational Design and Engineering (ESCI).*
5. *Jha Kailash, 2007 "Automatic Minimal Loop Extraction and Initialisation for Water Pipe Network Analysis", International Journal of Simulation, Systems, Science and Technology, Vol. 9 No. 2, PP 8-19. Scopus, H Index 17.*
6. *Jha Kailash, 2008 "Construction of branching Surface from 2-D Contours", International Journal of CAD/CAM", Vol 8. No.1, 21-18. Now Journal of Computational Design and Engineering (ESCI).(Q1)*
7. *Jha, Kailash, 2009 "Energy Based Approximation and Interactive Visualization of Eventualities in Earth Layers for Optimal Well Path", International Journal of Simulation, Systems, Science and Technology, No. 4, Vol. 10, 1-10. Scopus, H Index 17.*
8. *Jha Kailash, 2012, "A New Method for Reconstruction of Smooth Branching Surface from Contours" "International Journal of CAD/CAM", Vol 12. No. 1, pp29-37. Now Journal of Computational Design and Engineering (ESCI).(Q1)*
9. *Mishra Manish, Jha K. 2017, "Graph-based loop extraction for automatic analysis of a water pipe distribution network and comparison with EPANET" SIMULATION:*

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10. Vikash Kumar & Jha K, "Numerical investigations of the cone-shaped vortex finders on the performance of cyclone separators" *Journal of Mechanical Science and Technology*, July, Vol. 32 No.11, 2018. SCIE(Q3)
11. Vikash Kumar & Jha Kailash, 2018 "Multi-Objective Shape Optimization of Vortex Finders in Cyclone Separators Using Response Surface Methodology and Genetic Algorithms" *Separation and Purification Technology*, 215, 25-31, 2018, SCIE,(Q1)
12. Vikash Kumar & Jha Kailash, 2019 "Effects of Convergent-Divergent Vortex Finders on the Performance of Cyclone Separators using CFD Simulations, *Simulation Journal*, SCIE, 93(11), 921-933(Q4)
13. Jha Kailash and Manish Mishra, 2020, " [Object-Oriented Integrated Algorithms for Efficient Water Pipe Network by Modified Hardy-Cross Technique](#) " *Journal of Computational Design and Engineering*, 7(1), 56–64(Q1)
14. Monty Kr, Shakti Kr, Kailash Jha and A. Mandal, 2022 " **Composite coating by TIG cladding with different rare earth oxides**, *Surface Engineering* , 38(30), 271-287(Q2)
15. Modi Sita Ram & Jha K, 2023 " Multi-mode fracture analysis for critical crack size and life estimation of hip prosthesis using extended finite element method", *JMST*, 37(2), 1047-1053(Q3)
16. Monty Kr, Shakti Kr, Kailash Jha and A. Mandal, 2023 " Deposition of hard solid-lubricating composite coating on Ti-6Al-4V alloy with enhanced mechanical, corrosion, and electrical discharge wear properties" *Surface and Coating Technology*, 475, 129315(Q1)
17. Monty Kr, Anubhav Kumar Sharma, Kailash Jha and A. Mandal, 2023 " Influence of CeO₂ on mechanical, metallurgical and tribological properties of composite coating fabricated on Ti-6Al-4V substrate" accepted in *International Journal of Surface Science and Engineering* on 16/4/2023(Q4)
18. Monty Kr, Shakti Kr, Kailash Jha and A. Mandal, 2023 " **Parametric optimization and clad characterization of composite coating prepared on Ti-6Al-4V alloy using TiB₂-Ni-Yb₂O₃ precursor powders**, [Volume 308](#), 15 October 2023, 128248, *Materials chemistry and physics*.
19. Monty Kr, Anubhav Kumar Sharma, Kailash Jha and A. Mandal, 2023 " **Die-sink EDM texturing to fabricate hydrophilic and wear resistant surface. VOL. 39, NO. 5, 591–599**, *Surface Engineering*
20. Modi, Sita Ram & K P Ajit, Jha K, 2023, Numerical and experimental crack analysis of annealed TC4 ELI alloy in the room and body fluid environment, Accepted for publication on 26/10/2023 in *Arabian Journal of Science and Engineering*.
21. Dinesh Kumar, Vikash Kumar, K Jha, 2024, " Effects of

hyperboloid vortex finder and inlet angle on the cyclone flow pattern and separation efficiency” *Journal of Chemical Engineering and Design*, 204(2024) , 81-96

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- 22.** Dinesh Kumar, K Jha, Vikash Kumar, Lakhbir Singh Brar, 2024, ``Performance evaluation of cyclone separators with elliptical cross-section using large-eddy simulation” *Powder Technology*, 438(2024), 119610
<https://doi.org/10.1016/j.powtec.2024.119660>

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