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A. International Journal

1. Deeksha Gupta, Ashish Dubey and **Abhishek Kumar** “*Improving microwave absorption bandwidth of nickel-dispersed boron carbide by double layering using genetic algorithm*” *Ceramics International*, Accepted (2025). (SCIE: Impact factor- 5.1) <https://doi.org/10.1016/j.ceramint.2025.03.421>
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3. Sushil Kumar Singh, Avadesh Yadav, Samarjit Singh, Anuj Jain and **Abhishek Kumar**, “*Enhancement of Mechanical and Viscoelastic Properties of Epoxy and Epoxy-Nano Silica Composites using Self-Healing Microcapsules*” *Materials Today Communications*, 43, 111741 (2025). (SCIE: Impact factor- 3.7) <https://doi.org/10.1016/j.mtcomm.2025.111741>
4. Amit Kumar Singh Chauhan, Mukul Shukla, **Abhishek Kumar**, “*Insights into microstructure and mechanical properties of 3D printed Ti-6Al-4V alloy at different layer thicknesses*” *Materials Letters*, 138047 (2025). (SCIE: Impact factor- 2.7) <https://doi.org/10.1016/j.matlet.2025.138047>
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8. Avadesh Yadav, Sreetam Das, Rushikethu Badardinni, Satish Kumar and **Abhishek Kumar**, “*Effect of dual dispersion of carbon fiber and silica nanoparticles on recovery performance of shape memory epoxy*”, *Smart Materials and Structures*, 33 (6) 065044 (2024) (SCIE: Impact factor-3.7) DOI: [10.1088/1361-665X/ad4d37](https://doi.org/10.1088/1361-665X/ad4d37)
9. Samarjit Singh, Rakesh Bhaskar, Kannan Badri Narayanan, **Abhishek Kumar**, Kishore Debnath, “*Development of silicon carbide (SiC)-based composites as microwave-absorbing materials (MAMs): a review*” *Journal of the European Ceramic Society*, 44 (13), 7411-7431 (2024) (SCI: Impact factor-5.8) <https://doi.org/10.1016/j.jeurceramsoc.2024.05.032>
10. Amit Kumar Singh Chauhan, Mukul Shukla, **Abhishek Kumar**, “*Solid particle erosion behaviour of laser sintered heat treated Ti-6Al-4V alloy*” *Russian Journal of Nondestructive Testing*, 60 (5), 583–590 (2024). (SCIE: Impact factor-0.9, Scopus Indexed) <https://link.springer.com/article/10.1134/S1061830924601533>

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12. Avadesh Yadav, Sourabh Kumar, Sreetam Das, Satish Kumar and **Abhishek Kumar**, “*Shape recovery and mechanical properties investigation of carbon fiber dispersed Bisphenol-A based epoxy composite*” Smart Materials and Structures, 32 (9) 095016 (2023) (SCIE: Impact factor-3.7) <https://doi.org/10.1088/1361-665X/aceb27>
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14. Amit Kumar Singh Chauhan, Mukul Shukla, **Abhishek Kumar**, “*3D Thermal Simulation of Powder Bed Fusion Additive Manufacturing of Stainless Steel*” International Journal on Interactive Design and Manufacturing, 17, 517–524 (2023). (Scopus Indexed, ESCI: Impact factor-2.1) <https://doi.org/10.1007/s12008-023-01234-7>
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D. Book(s)/ Proceeding(s) published:

1. Edited a Proceeding of the 2022 International Conference on “*Advancements in Interdisciplinary Research towards Smart and Sustainable Society*” (AIR2022). e-ISBN: 9788770228282, **doi:** <https://doi.org/10.13052/rp-978-87-7022-828-2>

E. Book Chapter published:

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