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Abbreviations AMC Aluminium Matrix Composite MMC Metal Matrix Composite XRD X-Ray Diffraction EDX Energy Dispersion X-ray spectroscopy SEM Scanning Electron Microscope UTS Ultimate Tensile Strength ASTM American Society for Testing and Materials COF Coefficient of Friction”. <https://doi.org/10.1007/s12633-020-00923-2/Published>

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## LIST OF PUBLICATIONS

### Peer Reviewed journals:

- ❖ **Manish Kumar**, Ankit, Manas Ranjan Majhi, R K Chaturvedi, “*Wear and friction behaviour of Cu-Gr-B<sub>4</sub>C composites and correlating to the topographical characteristics*”, **Surface Topography: Metrology and Properties**, volume 12,2024, pp 015012 (SCIE)  
DOI 10.1088/2051-672X/ad27df
- ❖ **Manish Kumar**, Abhishek Kumar Singh, Manvandra Singh, M.R. Majhi, R.K. Chaturvedi “*Tribological Performance of Cu-Gr-B<sub>4</sub>C Hybrid Composites Prepared by Powder Metallurgy (P/M) Route*”, **International Journal of Surface Science and Engineering**, (SCIE). (accepted)  
DOI: 10.1504/IJSURFSE.2024.10064395
- ❖ **Manish Kumar**, Bipin Singh, Manas Ranjan Majhi, R K Chaturvedi, “*Unveiling the Mechanical, friction and wear responses of SiC+Gr Reinforced Copper Hybrid Composites Developed by Powder Metallurgy(p/m) Technique*”, **Silicon**, (communicated)

### National/International Conference papers:

- ❖ **Manish Kumar**, Manas Ranjan Majhi, R K Chaturvedi, “*Microstructural, Tribological and Mechanical behaviour of copper matrix reinforced with Gr-B<sub>4</sub>C hybrid composite*”, **International Conference on Global trends in Traditional to space Ceramic (GT-TSC 22)**, at IIT BHU, Varanasi, India (December 8-9, 2022).
- ❖ Ashutosh Gupta, Abhishek Kumar Singh, **Manish Kumar**, Vaibhav Kumar Singh, V K Singh, M R Majhi, “*A Comparative Investigation of the Physio-mechanical characteristics of Amorphous and Crystalline Silica Extracted from Rice Husk Ash*”,

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- ❖ Vaibhav Kumar Singh, Ashutosh Gupta, Abhishek Kumar Singh, **Manish Kumar**, V K Singh, M R Majhi, “*Effect of Thermal Treatment on Phase and Microstructural Evolution of Magnesium Borate ( $Mg_2B_2O_5$ ) nanorod whisker prepared via Hydrothermal cum Reaction Sintering Process*”, **International Conference on Future of Refractories in Iron & Steel Industries**, at STEEL AUTHORITY OF INDIA LIMITED, BOKARO STEEL PLANT at Jharkhand (India), (September 23-24, 2022).