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List of Publications

- A comparative study on the physico-mechanical properties of silica compacts fabricated using rice husk ash-derived amorphous and crystalline silica. **Ashutosh Gupta**, Vaibhav Pandey, Mayank Kumar Yadav, Kalyani Mohanta, Manas Ranjan Manjhi. **Ceramics International**, <https://doi.org/10.1016/j.ceramint.2022.07.098> (First Author)
- Strengthening bio-circularity by reinforcing waste-derived Triphasic calcium phosphate to fabricate alumina-toughened Zirconia biocomposite with enhanced bioactivity. **Ashutosh Gupta**, Vaibhav Pandey, Manas Ranjan Majhi. **Sustainable Materials and Technologies**. (First Author)
- Microstructural characterization and hydrothermal ageing resistance of RHA-derived amorphous and crystalline silica-doped Alumina toughened Zirconia biocomposite. **Ashutosh Gupta**, Vaibhav Pandey, Manas Ranjan Majhi. **Journal of Sustainable Technology** (under review). (First Author)
- Synthesis of graphene oxide and green properties of dry pressed alumina compacts with the small addition of graphene oxide/graphite” Vaibhav Pandey, Kalyani Mohanta, Ajay Kumar, Mayank Kumar Yadav, **Ashutosh Gupta**. **Journal of the Australian Ceramic Society**, 56, 1367-1375 (2020), <https://doi.org/10.1007/s41779-020-00487-9> (Co-Author)
- Synthesis, Morphological and Thermomechanical Characterization of Light Weight Silica Foam via Reaction Generated Thermo-Foaming Process. Vaibhav Pandey, Mayank Kumar Yadav, **Ashutosh Gupta**, K. Mohanta, S. K. Panda, V. K. Singh. **Journal of European Ceramic Society**. (2022) (Co-Author)
- Tensile and Dry Sliding Wear Properties of Compo-Cast SiO₂ Coated ABOw/Al-319 Composites Neeraj Pandey, S.S. Kasana, Abhishek Kumar Singh, **Ashutosh Gupta**, Manas Ranjan Majhi Springer Nature B.V. 2023(Co-Author)