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- 1. Pandey N.,** Chakrabarty I., Singh P., Majhi M. R., Effect of sintering temperature on microstructure and flexural strength of alumina borate whiskers, *Material Research Express* 6 (2019) 105210.
- 2. Pandey N.,** Chakrabarty I., Majhi M. R., Microstructure, mechanical and wear properties of aluminium borate whisker reinforced aluminium matrix composites, *Trans. Non-ferrous Metals Society of China*,30(2020) 1731-1742.
- 3. Pandey N.,** Chakrabarty I., Majhi M.R, Effect of SiO<sub>2</sub> coating on microstructure and mechanical behaviour of Al-ABO<sub>w</sub> composite by powder metallurgy technique, *Transactions of Indian Ceramic Society*, Taylor and Francis (2020).
- 4. Pandey N.,** Ram S.C., Chakrabarty I., Majhi M. R., Microstructure and flexural behaviour of ABO<sub>w</sub> reinforced aluminium matrix composite synthesized by powder metallurgy route, *Material Science and Engineering (IOP-Scopus)* 2019 653 012008.
- 5. Pandey N.,** Ram S.C., Chakrabarty I., Majhi M.R., Synthesis and flexural behavior of silica-coated ABO<sub>w</sub> reinforced aluminium matrix composite for structural application, *Lecture Notes In Mechanical Engineering (Springer) Scopus* 2020.
- 6. Pandey N.,** Ram S.C., Chakrabarty I., Majhi M.R., Physical and thermo-mechanical properties of coated and without coated alumina-boron based refractory castable for petrochemical industry application, *Materials Today Proceedings*, Volume 28, 2020, pages 698-703.
- 7. Pandey N.,** Chakrabarty I., Ram S.C., Microstructure and mechanical properties of compo-cast alumina borate whisker reinforced al 319 composites, *Journal of Alloys and Compounds (Submitted)*.
- 8. Mehta N.S., Pandey N.,** Majhi M.R., Developing a high strength physicomachanical and electrical properties of ceramic porcelain insulator using zirconia as an additive, *Materials Research Express* (2018).

9. Mehta N.S., **Pandey N.**, Majhi M.R., Effect of sintering on physical, mechanical, and electrical properties of alumina-based porcelain insulator using economic raw materials, Journal of the Australian Ceramic Society, volume 55, 987–997(2019).

## **National/International Conferences/Workshop Contributions**

1. “*Lightweighting for defence, aerospace and transportation*” The Indian Institute of Metals, BITS Pilani Goa, Poster Presentation, National Metallurgists’ Day (NMD)-2017
2. “*International conference on advanced materials and manufacturing processes for strategic sectors*”, The Indian Institute of Metals, Trivandrum Chapter, Poster Presentation, (ICAMPS)-2018
3. “*International conference on advance in material and manufacturing engineering*”, KIIT Bhubaneswar, Paper Presentation, (ICAMME)-2019
4. “*International conference on innovative technologies in mechanical engineering*”, KIET Ghaziabad, Paper Presentation, (ITME)-2019
5. “*International conference on recent advances in materials and manufacturing technologies*”, Bits Pilani Dubai Campus, Paper Presentation, (IMMT -2019)
6. “*National conference on materials for energy conversion and storage*, IIT (BHU) Varanasi, Poster Presentation, (NCMECS)-2020
7. “*Electron Microscopy and Microanalysis of Materials*”, Department of Metallurgical Engineering, IIT(BHU) Varanasi, (EMMM)-2018
8. “*Mechanical properties and deformation behaviour of structural Materials*”, Metallurgical Engineering, IIT (BHU), (MPDB)-2018
9. “*Basics of electron backscattered diffraction, electron energy loss spectroscopy and electron diffraction in material science*, IIT(BHU), (BESDM)-2019