

List of Publications

- 1) **Khare D.**, Basu B, Dubey A. K., Electrical stimulation and piezoelectric biomaterials for bone tissue engineering applications, *Biomaterials* 2020, 258, 120280.
- 2) **Khare D.**, Singh A., Dubey A. K., Influence of Na and K contents on the antibacterial response of piezoelectric biocompatible $\text{Na}_x\text{K}_{1-x}\text{NbO}_3$ ($x = 0.2-0.8$), *Materials Today Communications* 2021, 27, 102317.
- 3) **Khare D.**, Singh P., Dubey A. K., Interplay of surface polarization charge, dynamic electrical stimulation and compositional modification towards accelerated osteogenic response of $\text{Na}_x\text{K}_{1-x}\text{NbO}$ piezo-bioceramics, *Biomaterials Advances* 2022, 140, 213042.
- 4) Sahoo K., **Khare D.**, Srikrishna S., Dubey A. K., Kumar M, Development of luminescent atacamite nanoclusters for bioimaging and photothermal applications, *Nanotechnology* 2020, 31, 265102.
- 5) Saxena A., **Khare D.**, Agrawal S., Recent advances in materials science: a reinforced approach toward challenges against COVID-19, *Emergent Materials* 2021, 4, 57–73.
- 6) Sugimoto H., Biggemann J., Fey T., Singh P., **Khare D.**, Dubey A. K., Kakimoto Ken-ichi, Lead-free piezoelectric $(\text{Ba,Ca})(\text{Ti,Zr})\text{O}_3$ scaffolds for enhanced antibacterial property, *Materials Letters* 2021, 297, 129969.
- 7) Vyas, A., Bandhu Ghosh, S., Bandyopadhyay-Ghosh, S., Agrawal, A. K., **Khare, D.**, Dubey, A. K., Digital light processing mediated 3D printing of biocomposite bone scaffolds: Physico-chemical interactions and in-vitro biocompatibility, *Polym. Compos.* 2022, 43(5), 3175
- 8) **Khare D.**, Majumdar S., Krishnamurthy S., Dubey A. K., An in vivo toxicity assessment of piezoelectric sodium potassium niobates [$\text{Na}_x\text{K}_{1-x}\text{NbO}_3$ ($x = 0.2 - 0.8$)] nanoparticulates towards bone tissue engineering approach (Submitted to journal).

9) Suthar M., **Khare D.**, Dubey A. K., Roy P. K., Structural, magnetic, and biocompatibility evaluations of chromium substituted barium hexaferrite (Co₂-Y) for hyperthermia application, (Submitted to journal).

10) Kumavat V. S., Saini R. K., Singh B., Agrawal A. K., **Khare D.**, Dubeby A. K., Sain M., Ghosh S. B., Ghosh S. B., Bio-inspired mineralization and a hybrid fabrication approach to develop bone-like biocomposite scaffolds with hierarchical multiscale pores, (Submitted to journal).