

List of Publications

1. **Angaraj Singh**, Ashutosh Kumar Dubey, Various Biomaterials and Techniques for Improving Antibacterial Response, *ACS Appl. Bio Mater.* **2018**, **1**, **1**, 3-20
2. **Angaraj Singh**, Kuppili Reshma, Ashutosh Kumar Dubey, Combined effect of surface polarization and ZnO addition on antibacterial and cellular response of Hydroxyapatite-ZnO composites. *Materials Science and Engineering: C* **107**, 2020, 110363.
3. Vipul Saxena, Vijay Kumar, **Angaraj Singh**, Vinay Kumar Singh “Effect of reinforcing S53P4 bioactive glass on physio-mechanical and biological properties Ti – 8Nb–2Fe alloy” *Ceramics International* **45** (2019) 21810–21818
4. **Angaraj Singh**, Manoj Kumar, and Ashutosh Kumar Dubey, Effect of pre-existing diseases on COVID-19 infection and role of new sensors and biomaterials for its detection and treatment, *Medical Devices and Sensors*, 2020, doi; 10.1002/mds3.10140.
5. **Angaraj Singh** and Ashutosh Kumar Dubey, Improved Antibacterial and Cellular Response of Piezobioceramics and Electrats. *Journal of biomaterials applications*, 2021 (18) 885328221991965.
6. Alok Singh Verma, **Angaraj Singh**, Devendra Kumar, Ashutosh Kumar Dubey, Electro- mechanical and polarization induced antibacterial response of 45S5 Bioglass Na_{0.5}K_{0.5}NbO₃ ceramic composites, *ACS Biomaterial science and Engineering* 10.1021/acsbiomaterials.0c00091
7. Deepak Khare, **Angaraj Singh**, and Ashutosh Kumar Dubey Influence of Na and K content on the antibacterial response of piezoelectric biocompatible Na_xK_{1-x}NbO₃ (x = 0.2 - 0.8), *Materials today communication*, 2021 (27) 102317.

8. Tanu Srivastava , Sunil Kumar Mishra , Om Prakash Tiwari , Avinash Kumar Sonkar , Kavindra Nath Tiwari , Pradeep Kumar , Jyoti Dixit , Jitendra Kumar , Amit Kumar Singh , Pooja Verma , Rajesh Saini , **Angaraj Singh** & Ashutosh Kumar Dwivedi, Synthesis, characterization, antimicrobial and cytotoxicity evaluation of quaternary cadmium (II)- quercetin complexes with 1,10-phenanthroline or 2,2'-bipyridine ligands *Biotechnology & Biotechnological Equipment*,2020, 34(1) 999–1012.
9. Abhinav Saxena, Deepak Khare, Swati Agrawal, **Angaraj Singh** and Ashutosh Kumar Dubey, Recent advances in materials science: a reinforced approach toward challenges against COVID-19, *Emergent Materials*. 2021, doi: 10.1007/s42247-021-00179-5.
10. **Angaraj Singh** and Ashutosh Kumar Dubey, Effect of addition of piezoelectric $\text{Na}_{0.5}\text{K}_{0.5}\text{NbO}_3$ and BaTiO_3 as well as surface polarization on antibacterial and cellular response of 1393 B3 bioactive glass (to be submitted)