

List of Publications

1. **Abhinav Saxena** and Ashutosh Kumar Dubey, Coupling of living cells with external electrical stimulation: a computational study, *Journal of Physics D: Applied Physics* 52 (2019), 015401.
2. **Abhinav Saxena**, Shivam Gupta, Bhupendra Singh, Ashutosh Kumar Dubey, Improved functional response of spark plasma sintered hydroxyapatite based functionally graded materials: An impedance spectroscopy perspective, *Ceramics International* 45(6), 6673-6683, 2019.
3. **Abhinav Saxena**, Maneesha Pandey, Ashutosh Kumar Dubey, Induced Electroactive Response of Hydroxyapatite: A Review, *Journal of Indian Institute of Science*, 99, 339-359, 2019.
4. **Abhinav Saxena**, Ken-ichi Kakimoto, Ashutosh Kumar Dubey, Polarization induced dielectric and electrical response of electrovector hydroxyapatite and ferroelectric sodium potassium niobate ceramics, *Journal of Physics D: Applied Physics*, 53, 395402, 2020.
5. **Abhinav Saxena**, Deepak Khare, Swati Agrawal, Angaraj Singh, Ashutosh Kumar Dubey, Recent advances in materials science: a reinforced approach towards challenges against COVID-19. (Accepted in *Emergent Materials* in January, 2021)