

List of Publications

1. Vipul Saxena, Vijay Kumar, Vinay Kumar Singh “Effect of reinforcing S53P4 bioactive glass on physio-mechanical and biological properties of Ti – 8Nb–2Fe alloy” *Ceramic International* (2019 21810-21818).
2. Vipul Saxena, Vijay Kumar, Vinay Kumar Singh “Optimization of Bio-mechanical properties by reinforcing 1393 B3 bioactive glass into the matrix of Ti-8Si-2Mn alloy”. *Material Research Express* 6 (2019) 075401 (2019).
- 3- Rishikesh Yadav, Vijay Kumar, Vipul Saxena, Prabhakar Singh, Vinay Kumar Singh, “Preparation of controlled lotus like structured ZnO decorated reduced graphene oxide nanocomposites to obtain enhanced photocatalytic properties, *Ceramics International*,45(2019)24999-25009.
- 4- Rishikesh Yadav, Vijay Kumar, Vipul Saxena, Prabhakar Singh, Vinay Kumar Singh, “Two step synthesis of reduced graphene oxide with columnar-shaped ZnO composites and their photocatalytic performance with natural dye,” *J. Aust. Ceram. Soc.*, 55(2019) 837-848.
5. Niraj Singh Mehta, Vipul Saxena ,Praveen Kumar Sahu, Md Ershad, Ram Pyare and Manas Ranjan Majhi “Effect of ZrO₂ on the sintering behavior, strength and high-frequency dielectric properties of electrical ceramic porcelain insulator” *Mater. Res. Express* (5)- 015202