

List of Publications

1-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**.

2-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**.

3- Vipul Saxena, Vijay Kumar, Amrendra Rai, **Rishikesh Yadav**, Gupta Uttam, Vinay Kumar Singh, Manna Partha Prathim, Optimization of the biomechanical properties of Ti-8Si-2Mn alloy by 1393B3 bioactive glass reinforcement, *Material Research Express*, 10.1088/2053-1591/ab1280.

4- Rishikesh Yadav, Vijay Kumar, Prabhakar Singh, Vinay Kumar Singh “Preparation of sol-gel derived ZnO hexagonal plate decorated reduced graphene oxide nanocomposites to obtain enhanced photocatalytic properties,”[Manuscript to be submitted] .

5-Rishikesh Yadav, Vijay Kumar, Prabhakar Singh, Vinay Kumar Singh, “The effect of high annealing temperatures on the properties of sol-gel derived ZnO hexagonal plate,”[Manuscript to be submitted]

6- Rishikesh Yadav, Vijay Kumar, Prabhakar Singh, Vinay Kumar Singh, “Impedance spectroscopy measurement of sol-gel derived ZnO hexagonal plate,”[Manuscript to be submitted].

7-Rishikesh Yadav, Vijay Kumar, Prabhakar Singh, Vinay Kumar Singh,
“Physico-mechanical behavior of sol–gel derived ZnO hexagonal plate X-ray
profile Analysis [Manuscript to be submitted].

Conference

1. Rishikesh Yadav, Vinay Kumar Singh, “ZnO decorated reduced graphene
oxide nanocomposites for photocatalytic Application, *International
Conference* on Advanced ceramics and Nanomaterials for sustainable
Development (Acend-2018)