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List of Publications

1. **Vishwa Pratap Singh**, Chandra Bhal Singh, Satyendra Kumar Satyarthi, Dinesh Kumar, Akhilesh Kumar Singh, "Highly enhanced energy storage properties of H_2O_2 Hydroxylated rare-earth ferrites ($LaFeO_3$ and $GdFeO_3$) Nanofillers in Poly (Vinylidene Fluoride) based Nanocomposite Film" J Mater Sci: Mater Electron (IF=2.78) (2022).
2. **Vishwa Pratap Singh**, Satyendra Kumar Satyarthi, Ankit Dwivedi, Akansha Dwivedi, Akhilesh Kumar Singh, "Boosting Energy Storage of PVDF Nanocomposite Based Flexible Self-Standing Film with Low Amount of Hydroxylated V_2O_5" ACS Applied Energy Materials (IF= 6.95) (2022).
3. Two phase-based Poly (vinylidene fluoride)/Nitrogen doped carbon dots nanocomposite film with improved dielectric and storage properties for high energy density supercapacitor (ready to submit).
4. Poly (vinylidene fluoride)/ hydrated antimony pentoxide (HAP) based nanocomposite film with enhanced dielectric and ferroelectric properties for the application in high energy density storage supercapacitors (ready to submit).

List of Indian Patents

1. Polyvinylidene difluoride (PVDF)/nitrogen-doped carbon dots nanocomposite film based capacitive energy storage device, Published in Indian patent, Application No. 202211048961, 26 August 2022.

2. Poly-vinylidene fluoride/hydrated antimony pentoxide-based nanocomposite film-based capacitive energy storage device, Applied to Indian patent office, Application No.: 202211050354, 2 Sept. 2022.

List of Conferences/Workshops/Seminars/Symposiums Attended

1. Vishwa Pratap Singh, Krishna Prajapati, Satyendra Kr Satyarthi, Akhilesh Kumar Singh, "Enhancement in Dielectric Constant of PVDF Matrix Using V_2O_5 As Filler in Nanocomposite Based Thick Film" international conference on advanced material for better tomorrow (ICAMBT -2021), 13 – 17 July, 2021 IIT-BHU, Varanasi.

2. Vishwa Pratap Singh, Chandrabhal Singh, Satyendra Kumar Satyarthi, Dinesh Kumar, Akhilesh Kumar Singh "Synthesis of H_2O_2 refluxed $LaFeO_3$ loaded as filler in poly (vinylidene fluoride) for high energy density storage applications" International Conference on Energy Materials and Devices (ICEMD- 2022), 11-12 Jan 2022, Banaras Hindu University, Varanasi.

3. Vishwa Pratap Singh, Akhilesh Kumar Singh, "Enhancement in Polarization and Energy Efficiency of PVDF-Nanocomposite Thick Film using Sb_2O_3 Filler" international conference on advanced materials and mechanical characterization (ICAMMC-2021), SRM University, 2-4.