

1. Patents

Indian Patent Filed on “A Process for Preparing Z-Type Hexaferrite Powder”

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Inventors: **Lokesh Saini**, Ambesh Dixit, Manoj Kumar Patra, Raj Kumar Jani, Sampat Raj Vadera

2. Peer Reviewed International Journals

- (i) **Lokesh Saini**, Yojana Janu, Manoj Kumar Patra, Raj Kumar Jani, Goutam Kumar Gupta, Ambesh Dixit, Sampat Raj Vadera “Dual band resonance in tetragonal BaTiO₃/NBR composites for MW absorption applications”, *Journal of American Ceramic Society*, Vol. 99, No. 9, pp. 3002-3007, 2016
- (ii) **Lokesh Saini**, Manoj Kumar Patra, Raj Kumar Jani, Goutam Kumar Gupta, Ambesh Dixit, Sampat Raj Vadera, “Tunable twin matching frequency (f_{m1}/f_{m2}) behavior of Ni_{1-x}Zn_xFe₂O₄/NBR composites over 2-12.4 GHz: A strategic material system for stealth applications”, *Scientific Reports*, Vol. 7:44457, pp. 1-12, 2017
- (iii) **Lokesh Saini**, Sunil Kumar Barala, Manoj Kumar Patra, Raj Kumar Jani, Ambesh Dixit and Sampat Raj Vadera, “Ferroelectrically induced dual band microwave absorption in multiferroic BiFeO₃/acrylo-nitrile butadiene rubber composites”, *Applied Physics A*, Vol. 123:685, pp. 1-8, 2017
- (iv) **Lokesh Saini**, Manoj Kumar Patra, Manoj Kumar Dhaka, Raj Kumar Jani, Goutam Kumar Gupta, Ambesh Dixit, Sampat Raj Vadera, “Ni/Graphitic carbon core-shell nanostructured based light weight elastomeric composites for Ku-Band microwave absorbing applications”, *CrysEngComm*, (Under Review)

3. Paper Presented in Conferences

- (i) **Lokesh Saini**, Yojana Janu, Manoj Kumar Patra, Mary Sneha, Ambesh Dixit, Sampat Raj Vadera “Dielectric response as a function of BaTiO₃ fraction for BaTiO₃/Acrylo-nitrile butadiene rubber composites”, *International Conference on Materials and Technology (ICMTech 2016)*, 01-04 March, 2016, Delhi, VBRI Press, DOI No. [10.5185/icmtech.2016](https://doi.org/10.5185/icmtech.2016) (Oral presentation)
- (ii) **Lokesh Saini**, Sunil Kumar Barala, Manoj Kumar Patra, Raj Kumar Jani, Ambesh Dixit, Sampat Raj Vadera, “Facile synthesis of multiferroic BiFeO₃ nano-powder and studies on microwave absorbing behavior of BiFeO₃/Acrylo-Nitrile butadiene rubber composites”, *International Conference on Magnetic Materials and Applications (ICMAGMA 2017)*, Hyderabad, to be held during 01-03 February, 2017 (Oral Presentation)

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