

Dr. PRASAD VISHNU BHOTLA

List of Publications (Journals):

- 102). Influence of chemical functionalization of carbon nanotube on low temperature ac conductivity with polyaniline composites
Maity, Krishna; Patra, Ananya; **Prasad, V**
Article reference: J. Phys. D: Appl. Phys 122562 (Accepted)
- 101). Effect of LaNiO₃ on the impedance and dielectric properties of CoFe₂O₄: a high temperature study
Patra, Ananya; **Prasad, V**
J. Phys. D: Appl. Phys. **53** 045301 (15pp) (2020)
- 100). Temperature dependent switching of magnetoresistance in multiwall carbon nanotube-polypyrrole composite fibrils
Reena Rani, Meenu Sharma, Sonam Rani, Aditi Shankar, **V. Prasad**, Filippo S. Boi, I. Sameera, and Ravi Bhatia
J. Appl. Phys. **126**, 225901 (2019)
- 99). Field emission studies of MWCNT-Polystyrene composites
Ravi Bhatia, Sameera Ivaturi and **V Prasad**
AIP conference Proceedings **2115** 030196 Pgs 1-4 (2019)
- 98). Effect of chemical functionalization on charge transport of multiwall carbon nanotube
Maity, Krishna; **Prasad, V**
Material Research Express (IOP Journal) **6** 0850a2 11 Pgs (2019)
- 97). Tuning magnetoresistance and electrical resistivity by enhancing localization length in polyaniline and carbon nanotube composites
Narendra Tanty, Ananya Patra, Krishna Prasad Maity and **V Prasad**
Bull. Mater. Sci. **42** (5) October, Article ID 0198 (2019)
- 96). Influence of orbital two channel Kondo effect on anomalous Hall effect in ferrimagnet composites of LaNiO₃ and CoFeO₄
Ananya Patra, Krishna Prasad Maity and **V Prasad**
J. Phys. condense. Matter **31** 255702 (2019)
- 95). Tuning spin one channel to exotic orbital two – channel Kondo effect in ferrimagnetic composites of LaNiO₃ and CoFeO₄

- Ananya Patra, Krishna Prasad Maity, Ramesh B Kamble and **V Prasad**
J. Phys. condense. Matter **30** 375701 (2018)
- 94). Negative to Positive Magnetoresistance transition in Functionalization of Carbon nanotube and Polyaniline Composite
Maity. Krishna; Tanty, Narendra; Patra, Ananya; **Prasad, V**
Material Research Express (IOP Journal) **5** 035034 (2018)
- 93). Observation of Power law behavior in Temperature Conductivity of Multiwall Carbon Nanotube / Polystyrene Composites
Ravi Bhatia, I Sameera, **V. Prasad**, Reghu Menon
Material Chemistry and Physics **211** 258-263 (2018)
- 92). Polydimethylsiloxane – multiwalled carbon nanotube composite as a metamaterial
Hitha D Shetty, Ananya Patra, **V. Prasad**
Material Letters **210** 309-313 (2018)
- 91). Electronic excitation induced modifications in elongated iron nanoparticle encapsulated multiwalled carbon nanotubes under ion irradiation
V. Saikiran, P. Benzylewski, I. Sameera, Ravi Bhatia, A.P Pathak, **V. Prasad**, G.S Chang
Applied Surface Science **439** 823-832 (2018)
- 90). Existence of negative permittivity in carbon coated iron nanoparticle – PDMS composites
Hitha D. Shetty, **V. Prasad**
Material Chemistry and Physics **196** 153-159 (2017)
- 89). Role of Catalytic Particles in the Vertical Alignment of Multiwall Carbon Nanotubes Prepared by Chemical Vapor deposition
Ved Prakash Arya, **V Prasad**, P.S. Anil Kumar
Research Methodology in Chemical Sciences: Experimental and Theoretical Approach
CRC Press, 22-Jun-2016 - **Science** - 388 pages Taylor & Francis Group: Apple Academic Press Ed. by edited by Tanmoy Chakraborty, Lalita Ledwani, **Chapter 14** Pg 259-268
ISBN 9781498728607 - CAT# NE11463
- 88). Field emission properties and strong localization effect in conduction mechanism of nanostructured pervoskite La Ni O₃
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- 87). Synthesis, characterization and low temperature electrical conductivity of Polyaniline / Ni Fe₂ O₄ nanocomposites

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- 84). Low temperature magnetoresistance and magnetization studies of iron encapsulated
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- 83). Domain size correlated magnetic properties and electrical impedance of size dependent
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polypyrrole nanocomposite
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