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List of Publications

In refereed journals

1. **P. Chutia**, A. Kumar, Dielectric and conductivity relaxation in poly(3,4-ethylenedioxythiophene) nanotubes, *Polymer Engineering and Science* (Accepted).
2. **P. Chutia**, A. Kumar, Charge-carrier relaxation dynamics and ac conductivity scaling of poly (3, 4-ethylenedioxythiophene) nanoparticles, *Physica Status Solidi A* 1-11, 2015.
3. **P. Chutia**, A. Kumar, Electrical conduction mechanism of poly (3, 4-ethylenedioxythiophene) nanofiber bundles at low temperature, *Applied Physics A* **120** 1059-1068, 2015.
4. **P. Chutia**, A. Kumar, Charge carrier relaxation studies in poly (3, 4-ethylenedioxythiophene) nanofibers, *Journal of Polymer Research* **22**, 122-131, 2015.
5. **P. Chutia**, A. Kumar, Temperature-and magnetic field-dependent electrical transport studies of poly (-3, 4 ethylenedioxythiophene) nanoparticles, *Journal of Nanoparticle Research* **16**, 2617-2626, 2014.
6. **P. Chutia**, A. Kumar, Electrical transport and morphological studies of polyaniline nanostructures, *Polymer Engineering & Science* **55**, 995-1002, 2015.
7. **P. Chutia**, A. Kumar, Electrical, optical and dielectric properties of HCl doped polyaniline nanorods, *Physica B: Condensed Matter* **436** 200-207, 2014.
8. **P. Chutia**, Chandrani Nath, A. Kumar, Dopant size dependent variable range hopping conduction in polyaniline nanorods, *Applied Physics A* **115**, 943-951, 2014.

Book chapter

1. **P. Chutia**, and A. Kumar, "Electrical transport and thermal stability study of camphorsulphonic acid doped polyaniline nanorods" pp. 87-84, ISBN: 978-93-82746-02-7.

Papers presented in conferences

1. **P. Chutia** and A. Kumar, **National conference on transport properties in low dimensional systems: experiment and simulation (TransLES-2014)**, IASST, Guwahati, Assam, India, December 11-13, 2014.
2. **P. Chutia** and A. Kumar, **National Seminar on Recent Trends of Research in Science and Technology**, Cotton College, Cotton College State University, Guwahati, Assam, India, 29 March, 2014.
3. **P. Chutia** and A. Kumar, **20th National Magnetic Resonance Society Symposium [NMRS-2014]**, Tezpur University, Tezpur, Assam, India, February 2-5, 2014.
4. **P. Chutia** and A. Kumar, **National Seminar on Current Trends in Physics Research (NSCTPR-2014)**, Department of Physics, Darrang College, Tezpur, Assam, India, 30th January-1st February, 2014.
5. **P. Chutia** and A. Kumar, **National Conference on Physical Sciences (NCPS)**, Department of Physics, D.H.S.K. College, Dibrugarh, Assam, India, September 13-14, 2013.
6. **P. Chutia** and A. Kumar, **National conference on condensed Matter days (CMDAYS-2013)**, National Institute of Technology, Rourkela, Orissa, India, August 29-31, 2013.