

List of publications

❖ Paper Published in Peer-reviewed Journals

1. Direct synthesis of water dispersible superparamagnetic TGA capped FePt nanoparticles: One pot, one shot. Deepak K Jha, Komanduri S Varadarajan, Anant B Patel and Pritam Deb, *Mater. Chem. Phys.*, **156**, 247-253, 2015.
2. Simple synthesis of superparamagnetic magnetite nanoparticles as highly efficient contrast agent. Deepak K. Jha, Mohammad Shameem, Anant B. Patel, Aleksander Kostka, Paul Schneider, Andreas Erbe, P. Deb. *Mater. Lett.* **95**, 186-189, 2013.
3. Synthesis and characterization of iron-rich $\text{Fe}_x\text{Pt}_{1-x}$ ferrofluid for magnetic resonance imaging. Deepak K. Jha, P. Deb, E. Kalita, M. Shameem and A. B. Patel. *Phys. Scr.* **85**, 035802-06. 2012

❖ Conference attended

1. Poster presentation title *Hybrid nanosystem in nanomedicine: multimodalities and multifunctionality* in Indo-US workshop on “*Nanoengineering in medicine*” which was held during 17 to 19th December at All India Institute of Medical Sciences (AIIMS), New Delhi, India.
2. Oral presentation title “*Inorganic nanoparticles for biomedical applications*” in house symposium held on 7th February 2014 in Department of Physics, Tezpur University.
3. Presented poster title “*Facile One Pot Synthesis of Hydrophilic Superparamagnetic FePt Nanoparticles for Molecular Imaging*” in National Magnetic Resonance Society Symposium (NMRS) held on 2th to 5th February 2014, Tezpur University, Assam, India.
4. Oral presentation title “*Functionalized Ultrafine Iron-Platinum Nanoparticles for Magnetic Imaging Application*” in National Symposium on Nano-science &

Technology for Mankindö organized by National Academy of Sciences, India (NASI) during 29th November to 1st December, 2012 at Banaras Hindu University, Varanasi.

5. Oral presentation title “*Synthesis, characterization and application of wettable magnetic nanoparticles for biomedical imaging*” in house symposium held on 21st December 2012 in Department of Physics, Tezpur University.
6. Presented Poster title “*Spectroscopic Study on the Surface Characterization of Engineered FePt Nanoparticles*” in National Conference on Nuclear and Atomic Technique Based Pure & Applied Sciences (NATPAS-11), held at Department of Physics, Tezpur University during 1st ó 3rd Feb, 2011.
7. Presented poster title “*Functionalized Ultrafine FePt Nanoparticles for Magnetic Imaging Application*” in International Conference on Magnetic Materials (ICMM-10) held at SNIP Kolkata during 25th -29th October 2010.