

Sagar Sheth

e-mail id: s95.sagar@gmail.com || contact: +919769757046

EDUCATION & ACADEMIC ACHIEVMENTS

- Utpal Shanghvi School 10': 94.13% (A* in all 8 IGCSE subjects, 2nd in school among 250 students)
- Pace Jr. Science College 12': 95.17% (1st in college among 800 students)
- IIT Bombay 12'-present: CPI 8.18 (B.Tech in Metallurgical Engg. & Materials Science)
- All India Engineering Entrance Exam (AIEEE) – Rank 860 out of 1.1 million students

PROJECT/RESEARCH WORK

- Completed a project under a Ph.D. guide on '*Coating of metal oxide nanoparticles on electrodes in supercapacitors*'. Did an extensive literature survey for the same. Read about electrochemical characterization techniques such as Cyclic Voltammetry, Electrochemical Impedance Spectroscopy and Galvanostatic charging-discharging. Analyzed the electrochemistry of the dendrimer-coated Iron Oxide nanoparticles using the above mentioned methods. (May 2013)
- On the verge of completion of a project under Professor D. Bahadur and DST Scientist Dr S. Chandra on '*Biomedical applications such as drug-delivery and hyperthermia of metal oxide nanoparticles*'. Synthesized Fe₃O₄ nanoparticles coated with Chitosan and gamma-Fe₂O₃ nanoparticles coated with Glycine. Read about the characterization techniques of XRD, FTIR and TEM. Performed the characterization tests and analyzed the results. Performed CV, VSM etc. and analyzed the results. Explored the potential biomedical applications.
- Received an internship offer for June-July 2013 on a project on nanofibres from Dr. Stoyan Smoukov at the University of Cambridge, UK, which I had to decline due to lack of appropriate visa application time. (I have an e-mail confirmation as a proof)

EXTRA-CURRICULARS

- Hostel Debate Secretary 13'-14'
- Winner, Freshie Debate Open 13'
- Sports Journalism Intern, www.thesportscampus.com Dec 12'-Jan 13'
- Panelist, InSight (IITB's student media body)
- Organizer, Techfest 13'
- Media and Corporate Relations Co-ordinator, Entrepreneurship-Cell 14'