



Prashant Bajaj
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Major:
Chemistry

BSc. Chemistry, 2007 , University of Nebraska-Lincoln
BSc. Computer Science 2007, University of Nebraska-Lincoln

Research Advisor(s):
Dr. Joshua Moore

Current Research:
Synthesis and Characterization of Lead (II) Chalcogenides (PbSe and PbTe) nanoparticles embedded in a silicon matrix using a sol-gel method. My current research goal is to design a generic sol-gel process to prepare PbE using cheap materials and under moderate conditions.

Long-term goals: (Future career)
I plan to go into Research and Development Division of a company and also be able to teach at a local high school or college. I plan to guide young minds to be able to explore new horizons of science as well as be able to contribute on a corporate level. In general, anywhere where I am allowed to explore new ideas and have potential to do research while making a decent living.

Personal interests:
Graphic Designing ,yoga, Meditation, Volunteer for Art of Living Projects.

Nano-Bio Core Research Goals:

- Experience in various high-end instruments (like XRD, AFM, SEM/TEM)
- Learn writing project proposals and grants.
- Administration skills and project management.