

Bharat Bhushan

SBRA Y-9, IIT

Kanpur, (U.P)

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RESEARCH INTERESTS

Nanoporous materials
Solidification processing
Electrochemical Corrosion
Physical Metallurgy
Diffusion in solids

Nanomaterials synthesis

TEACHING INTERESTS

Thermodynamics of Materials
Structure and Characterization of
Materials
Electrochemistry

Introduction to Materials Science

Mechanical Metallurgy

EDUCATION

- **Pursuing Ph.D.** in Materials Science & Engineering, IIT, Kanpur 2014 onwards
Dissertation Title: Synthesis of Nanoporous Materials by Dealloying
Overall GPA: 8.0/10.0.
- **M.Tech** in Materials Science & Engineering, Thapar University, 2012-2014
Thesis Title: Synthesis and Characterization of Ag and Silica coated Ag based
Nano fluids.
Overall GPA: 8.7/10.0
- **B.Tech.** in Mechanical Engineering, Punjab Technical University, 2006-2011.
Overall (% age): 63%

TEACHING EXPERIENCE

Tutor: TA201 Introduction to Manufacturing Process (July2015-Dec2015).

Setup of the experimental apparatus, providing the introduction of the experiment, responding to their questions they encountered in the experiment, conducted Viva, and grading their reports.

Tutor: Basic of Materials Science lab (July 2013- April 2014)

Explained Experimental procedure and Graded copies

Lecturer: Thermodynamics and I.C Engines, Strength of Materials and Fluid

Mechanics (June 2011- June 2012)

Taught above mentioned subjects, conducted exam, Graded assignments and copies.

INDUSTRIAL EXPERIENCE

- Arvind Casting Private limited for 12 months.
- Sonalika International Tractors Limited as trainee engineer for 6 months.
- National Fertilizers Limited for 2 months

COMPUTER SKILLS

Operating Systems: Windows XP, Window 7, Linux
Computer Languages: C/C++
Scientific Applications: MATLAB, Origin, X-pert High Score
Technical Drawing: AutoCAD, Photoshop.
Office Applications: Microsoft PowerPoint, Access, Excel, Word.

AWARDS

- Graduate Assistantship, IIT Kanpur 2014 onwards.
- TEQIP Assistantship, Thapar University, 2013-2014.

PERSONAL STRENGTH

- Optimistic.
- Self-motivated.
- Hard working and honest.
- Adaptability

ACHIEVEMENTS:

- Actively participated in no. of ex- tem pores, sports activities.
- Got certificates in various co-curricular and sports activities.
- Merit Certificate of Thapar University for year 2012-2013.
- Got certificates for social activities.

I hereby declare that the information given herewith is correct to my knowledge and i will responsible for any discrepancy.

Bharat
Bhushan

Date: 09/02/2016

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