Curricullum Vitae

Name: Dr. Deepak Sadashivrao Upadhye
E-mail:dsu.nano129@gmail.com

Mobile No. : 8767174435.

OBJECTIVE

- I want to be a part of organization that provides me with opportunity to hone my existing research skills to stay relevant in the institute/industry. I hope to achieve this by working hard and contributing to the growth of institute/industry/team.

EXPERIENCE

- Worked as Technical Assistant in BRNS-DAE project [BRNS-(2010/34/41/BRNS] from 11th Aug. 2011 to 11 Feb. 2013 in Department of Nanotechnology, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.
- Worked as Teaching Assistant in Department of Nanotechnology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad from academic year 2011 to 2013.
- Participated in experiment on Growth and effect of SHI ions on structural and optoelectrical properties of Nanocomposite CdS-Bi2S3 thin films for photo sensor applications in Inter University Accelerator Centre, New Delhi from period 28/8/2012 to31/8/2012.
- Three years experience of project fellow of IUAC, New Delhi in Department of Nanotechnology, Dr. Babasaheb Ambedkar Marathwada University Aurangabad under the guidance of Professor Ramphal Sharma.
- Worked Ph.D. scholar in Department of Nanotechnology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, under the guidance of Professor Ramphal Sharma.

STRENGTHS IN SYNTHESSIS OF NANOSTRUCTURES

- Syntesis of metal nanoparticles such as gold, copper, silver etc.
- Synthesis of metal oxide nanostructures such as ZnO, CuO, CdO, Al_2O_3 etc.
- Synthesis of chalcogenide nanostructures CdS, CdSe, CuS, ZnS, ZnSe etc.
- Synthesis of caorbon based nanostructures such as Ggraphene, Graphene Oxide etc.
- Synthesis of conducting polymer nanostructures such as Polyaniline, Polypyrrole, Polythophene, Polyacetylene Polyvenyl alcohol, Polyvenyl Chloride and their derivatives etc.
- Synthesis of hybrid nanostructure based organic/inorganic materials.
- Capable of synthesis all nanostructural materials for potential applications.

PROJECT INVOLVEMENT

- IV-Sem. Project on "Optoelectrical Study of ZnS thin film Prepared by Chemical Bath Deposition"
  The Following Instruments are handled During Project.
- UV-VIS(Perkin Elmer λ25)
- Resistivity Homemade Setup.
- TEP Homemade Setup.
- I-V Setup.

Events Participated

- National Conference on Nanomaterials & Nanotechnology.
- UGC Sponsored State level Seminar on" Advanced in Science & Technology of Nanomaterials.
- Science Academies Lecture Workshop on "Probing Electronic State in Molecules And Molecular Materials"
- DAE-Solid State Physics Symposium

- International Conference on Renewable Energy
- National Conference on Nanomaterials applications and properties.
- Participated at research scholar meet UGC-DAE CSR, Indore, and delivered oral presentation.

HAND ON ANALYTICAL INSTRUMENT AND DATA ANALYSIS

- UV-Visible Spectroscopy
- FTIR Spectroscopy
- Scanning Electron Microscopy and Transmission Electron Microscopy
- Atomic Force Microscopy
- X-ray diffreaction technique
- I-V Characteriation set up
- Photovoltaic and sensor set up

COMPUTER SKILLS

- Origin Software
- Microsoft office
- Chemdraw
- Endnote
- Image J

STRENGTHS

- Good Communication Skills.
- Self Motivated.
- Quick Learner.
- Friendly Nature.
- Hard Worker.
- Leadership
- Management

EDUCATIONAL QUALIFICATION

- **Ph.D (Nanotechnology):** Growth and optoelectronic properties of polyaniline based organic/inorganic nanocomposite for sensor application.
- **M. Sc. (Nanotechnology):** First class, Department of Nanotechnology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- **B. Sc.:** First Class, J.E.S. College Jalna.
- **H. S. C.:** Second Class, Matsyodari College Ambad, Dist-Jalna.
- **S. S. C.:** Second Class, Matsyodari School Ambad, Dist-Jalna.

PERSONAL PROFILE

Permanent Address:	**Ganpati Galli Ambad, Tq. Ambad- 431204, Dist. Jalna.**
Nationality:	Indian.
Gender:	Male.
Marital Status:	Single.
Languages known:	English, Hindi, Marathi.

PUBLICATION

- Low-concentration ammonia gas sensing using polyaniline nanofiber thin film grown by rapid polymerization technique.
  Deepak S. Upadhye, Avinash S. Dive, Ravikiran B. Birajdar, Sagar B. Bagul, Ketan P. Gattu & Ramphal Sharma.
- Room temperature ammonia sensing properties of nanostructured polyaniline salt and polyanilinebase thin films

Deepak S. Upadhye, Sagar B. Bagul, Nanasaheb P. Huse, Avinash S. Dive & Ramphal Sharma**.**

- Effect of HCl doping on optoelectrical and LPG sensing properties of nanostructured polyaniline thin films

Deepak S. Upadhye, Nanasaheb P. Huse, and Ramphal Sharma.

➲ Optoelectrical and Ammonia Gas Sensing Study of Polyaniline Thin Film
Deepak S. Upadhye, Nanasaheb P. Huse, Sagar B. Bagula, Avinash S. Dive, Ravikiran B. Birajdar, R.R. Kasar, and Ramphal Sharma.

➲ Optoelectronic properties of Polyaniline emeraldine base & salt thin film synthesized by chemical technique
Deepak S. Upadhye, Nanasaheb P. Huse, Sagar B. Bagul a, Avinash S. Dive, Ravikiran B. Birajdar, R.R.Kasar and Ramphal Sharma.

➲ Band gapengineeringbysubstitutionofSbySe in nanostructuredCdS1-xSex thin filmsgrown bysoftchemicalrouteforphotosensorapplication
FarhaY.Siddiqui, ShaheedU.Shaikh, DeepaliJ.Desale,**Deepak S.Upadhye**, SandeepV.Mahajan, AnilV.Ghule, PankajVarshney,Sung-HwanHan, RamphalSharm.

➲ Study of room temperature LPG sensing behavior of polyaniline thin film synthesized by cost effective oxidative polymerization technique
Ravikiran B. Birajadar, **Deepak Upadhye**, Sandip Mahajan, J. C. Vyas, Ramphal Sharma.

OTHER ACTIVITIES.

➲ NCC "C" certificate.
➲ Department Representative
➲ YOGA PRAVESH VARG

REFERANCE

➲ Dr. Ramphal Sharma
Department of Physics, Nanoscience and Technology,
IIS(Deemed University), Jaipur 302020, India.
Email-rps.phy@gmail.com, Moblie- 9422793173.

Dr.Upadhye Deepak Sadashivrao