

YOGESH RAMGOPAL SINGH

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Contact: 09980919927

OBJECTIVE

To gain expertise in the field of Nanotechnology and to enter into high end research, thereby utilizing my skills to develop futuristic devices.

To obtain challenging & responsible task by doing smart work in an organization will utilize & improve my skills & in turn will help me to contribute extensively to growth & success of organization first & hence obviously mine.

ACADEMIC BACKGROUND

M.Tech. in Nanotechnology [2010 – 12]

CGPA 7.64

Centre of Nanotechnology Research (CNR)

Vellore Institute of Technology (VIT) University

Vellore, Tamilnadu-(India)

Master of Science [2008-10]

65.20%

M.Sc. in (Physics)

Dr. R.M.L. Awadh University,

Faizabad, Uttar Pradesh-(India)

Bachelor of Science [2005-08] 57.94%

B.Sc. in (Physics, Chemistry , Mathematics)

V.B.S. Purvanchal University,
Jaunpur, Uttar Pradesh-(India)

Intermediate (12th standard) [2003 –05] 62.20%

(Science)

Uttar Pradesh Education Board
Children Higher Secondary School,
Azamgarh, Uttar Pradesh-(India)

S.S.C. (10th standard) [2002-03] 63.16%

Uttar Pradesh Education Board
Children Higher Secondary School,
Azamgarh, Uttar Pradesh-(India)

ACADEMIC SKILLS

- Simulation Tools : Sentaurus T-CAD(SD,SSE),MOSES1.2,
MatLab, MIT's MPB Package
- Hands on Experience : Atomic Force Microscope[AFM]
Scanning Tunneling Microscope [STM]
Advance Optical Microscope
Scanning Probe Image Processor [SPIP]
Magnetron sputtering System used for Coating
VLS growth Experimental Set- up (CVD Reactor)
UV-Visible spectrophotometer
- Assembly Languages : 8085, 8086

CORE SUBJECTS

Post-Graduation [M.Tech] :

Nanomaterials Science, Nanophotonics, Quantum Phenomena in Nanostructures, Carbon Nanotubes, Semiconductor Device Physics, Nanoelectronics , Single Electronics and Device Modeling, Nanomaterial Characterization and lithography, VLSI, MEMS to NEMS, VLSI, Nanosensors.

Post-Graduation [M.Sc]:

Quantum Mechanics, Nuclear Physics
Solid State Physics , Classical Mechanics ,
Electrodynamics, Statistical Mechanics,
Integrated Circuits & Digital Electronics,
Microprocessor and Mathematical Physics.

PAPERS PRESENTED

- **Simulation of “Dispersion Relation for 2D square lattice photonic crystals”** - International Science , Engineering and Technology (SET) conference (2011), held at VIT University, Vellore, Tamilnadu (India)
- **A Review on “ GaAs based Quantum Well Structure ”** – International Science , Engineering and Technology (SET) conference (2010), held at VIT University, Vellore, Tamilnadu (India)
- **A Review on " Nanotechnology & its future Impact on human being" -** Project submission (2010), held at Dr. R.M.L. Awadh University, Faizabad.(U.P.)
India

Academic Research experiences and publications

- M.Tech. Phase I: Synthesis and Characterization of silver nanoparticles, Silica, Core-shell nanoparticles through Chemical route.
- Worked as a Project Student (M.Tech. Final year) in “National Aerospace Laboratory-CSIR ([Council of Scientific and Industrial Research](#))” Bangalore, India.
- M.Tech. academic project: “**Synthesis and characterization of multifunctional ZnO nanostructures by vapor-liquid-solid (VLS) method**”.
- S. Kataria, Y.R.G. Singh, Harish C. Barshilia, **Different morphologies of zinc oxide nanostructures grown under similar deposition conditions during vapor-liquid-solid growth** (in communication).

EXTRA CURRICULAR ACTIVITIES

- Participated in **International Symposium on Nanotechnology-2010** at CNR, VIT, Vellore (Tamilnadu).
- Member of National Scout Guide and Rovers-Rangers.

ACHIEVEMENTS

- Third prize for paper presentation in the field of Nanotechnology, during International Science, Engineering and Technology (SET) Conference [2011], held at VIT University, Vellore.

PERSONALITY TRAITS

- A Good Team Player
- Adaptive nature
- An Attentive Listener
- Curious

PERSONAL DETAILS

· Birth Date / Birth place : 13-04-1989/Azamgarh, (U.P.) India
· Marital Status : Single.
· Permanent Address : VPO. Gambhirban, Distt. Azamgarh
(U.P.) India PIN-276128
· Contact No : +91-9980919927
· Languages known : American English ,Hindi
· E-mail : yrgsingh1991@gmail.com
yogeshram.gopalsingh2010@vit.ac.in

DECLARATION

I hereby declare that the particulars given above are true to the best of my knowledge and belief.

YOGESH RAMGOPAL SINGH