



Hope Foundation's

**PRALHAD P. CHHABRIA  
RESEARCH CENTER**

Research Projects On

# **NANOSCIENCE, NANOTECHNOLOGY & NANOBIOTECHNOLOGY**

## OBJECTIVE

To design and implement concurrent research projects in Nanoscience, Nanotechnology and Nanobiotechnology

**DURATION** 6 months

## PROJECT DOMAINS

- Nanoscience & Nanotechnology
- Nanobiotechnology
- Nanomaterial synthesis and applications
- Computational Nanotechnology
- Nanoelectronics

## THRUST AREAS FOR RESEARCH

- Application of Nanomaterials in microbial biotechnology
- Synthesis and characterization of various Polymer Nanocomposites (PNCs)
- Development of nanoscale tools to treat plant diseases
- Nanosensor development for food industries
- Active and intelligent packaging systems for food commodities
- Green synthesis of nanoparticles for applications in the food and nutrition security

## ELIGIBILITY

Students pursuing B.Sc./ M.Sc./ MBBS/ BDS/ B. Pharm/ M.Pharm/ M.D./ B.Tech/ B.E./ M.Tech looking for final year thesis/ project

## MINI-LABORATORY

Each participant will be provided with a mini-laboratory. This contains all the necessary materials, glasswares and tools required during the workshop. This mini-laboratory would be property of the participant.

## PROJECT ADVISORS/CO-ORDINATORS

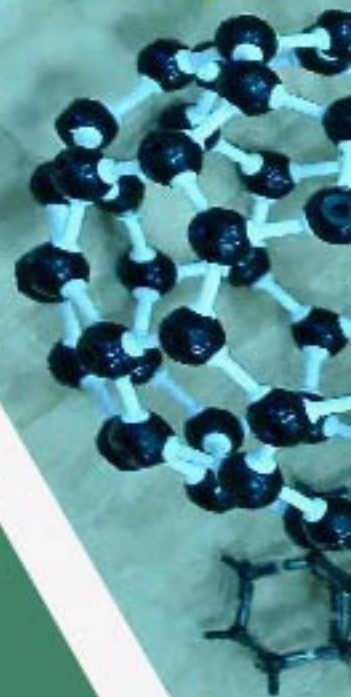
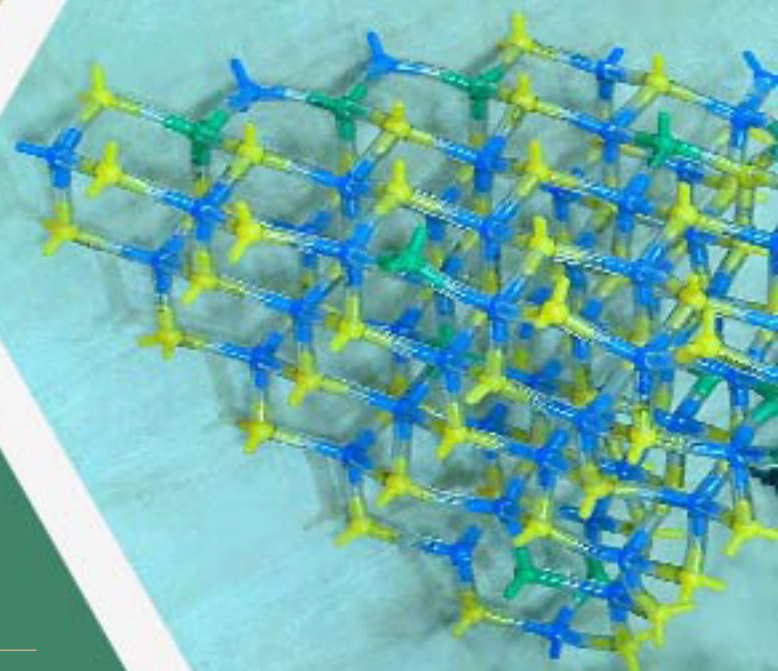
Prof. Rabinder Henry  
Prof. Jayant Pawar  
Prof. Prasin Vinchurkar  
Prof. Amit Patwardhan  
Prof. Bhushan Patil  
Prof. Yashodhan Mandke  
Prof. Sreedhar Patha

## TECHNICAL DETAILS

For queries regarding nature of the project, duration, academic and other technical details please contact Prof. Jayant Pawar: [jayantp@ppcrc.in](mailto:jayantp@ppcrc.in)

## Contact Details

Prof. Rabinder Henry – 86008 67813  
Prof. Jayant Pawar – 82378 16916  
Mr. Prakash V – 70106 89149  
Mr. Dinesh Joje – 99237 00296  
Email: [info@ppcrc.in](mailto:info@ppcrc.in)



**PRALHAD  
P. CHHABRIA  
RESEARCH  
CENTER**

**Pralhad P. Chhabria Research Center (PPCRC)**

P-14/1, I2IT Campus, Rajiv Gandhi Infotech Park, Phase I, Hinjawadi, Pune - 411 057

Phone : 020 22933441 Extn : 239 | Mobile : 99237 00296 / 82378 16916

Email : [info@ppcrc.in](mailto:info@ppcrc.in) | Website : [www.ppcrc.in](http://www.ppcrc.in)

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