

Full Name: Dr Ratnakar Balwant Gore

Educational Qualification: M. Sc., Ph. D.

Area of Research: Semiconducting Thin Films, Solar Cells

Awards/Fellowships/Prizes received

- I) Research Associateship by CSIR
- II) M. P. Young Scientists' Award

Contact Information:

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(Residence): NAAD, Plot no. 5, Survey no.141, Rukmini Nagar, Jalgaon [Phone: 02572282420]

E-mail: grat62@gmail.com

No of Post Doc Students at present: Nil

No of Ph. D. students passed out: Nil

No. of Ph. D. students at present: 03(R. R. Patil, R. G. Bavane, Sudhir Oza)

No of M. Phil. Students passed out: 03

No of M. Phil. Students at present: Nil

No of Project fellows at present: Nil

No of books written: Nil

No of books (Invited to write): Nil

No of patents: Nil

No of Research Papers published: 25

Citation Index:

Scientific Name of Your Lab: N.A.

Scientific Instruments available: Vacuum Coating Machine, Potentiostat, X-Y Recorder, Spin coating Unit

Research Projects Completed:

- a. Preparation, characterization and applications of CdS and CdTe films. (Funded by CSIR, New Delhi)
- b. CdS/CdTe based heterojunction solar cells. (Funded by AICTE, New Delhi)
- c. Development of infrastructural facilities for Energy studies in the Department of Physics. (Funded by AICTE, New Delhi)
- d. Development of Polymer coating for corrosion prevention. (Funded by UGC, New Delhi)

Research Projects ongoing: Nil

Research Projects submitted: Nil

Scientific collaborators: Dr B R Sankapal

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Any other activity going on : Nil

M. Sc. Physics taught till date:

- a. Solid State Physics
- b. Electronics
- c. Statistical Mechanics
- d. Global and Indian Energy Scenario
- e. Solar Thermal Conversion
- f. Photovoltaic and wind Energy conversion
- g. Energy conservation and Energy Management