

Faculty Profile

Name :- Dr. Kirti Sontakke



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Academic Information:-

S.No.	Exam Name	Board/University	Year	Division
1.	Higher Secondary	MP Board	1999	I (68%)
2.	B.Sc.	Vikram University, Ujjain	2002	I (76%)
3.	M.Sc	Vikram University, Ujjain	2004	I (80 %)
4.	B. Ed.	Vikram University, Ujjain	2005	I (80%)
5.	Ph.D.	Vikram University, Ujjain	2013	Semiconductor Plasmas- “Density of state mass”

Teaching Experience:- 11 years

- 5 years Teaching Experience in Gov. Colleges of M.P.
- 3 years in Savya Sachi Vidyapeeth Ujjain
- 3 years as P.G.T in Vinay Adarsh Higher Secondary School during session 2006-2009.
- During my research, I was also actively involved in guiding the undergraduate, graduate students of Physics in School of Studies in Physics Ujjain, since 2011-2013.

Awards and achievements

- ❖ II Prize for best poster award in National conference on Condensed matter and material Physics (CMMP-2010) held at Maharani Laxmibai Govt. Girls P. G. college, Bhopal (M. P.) (2010).
- ❖ M. Sc.- **2nd** Position in Vikram University Ujjain.
- ❖ B. Sc. - **7th** Position in Vikram University Ujjain.

Book Published :- “Band Structure Effects on Propagation Characteristics of Non linear Waves in Semiconductor Plasmas” ISBN : 978-1-73029-182-1.

E-content :- www.sarapublication.com; www.amazon.in

Paper selected as a book chapter:- “ Transient Brillouin gain in direct band gap semiconductors” in

Book name- “Newest Updates in Physical Science Research”

Seminars/Webinars attended:- 30 National and International webinars/Seminars of different UGC affiliated colleges and universities.

Workshops:-7 workshops related to the skills of Physics.

ACADEMIC/ADMINISTRATIVE ACTIVITIES:-

- ⊗ Member Organizing Committee of “National Conference on Emerging Interfaces of Physics and Technology” (EIPT-2011) by Chairman EIPT (2011).
- ⊗ ‘B’ Certificate in National service scheme(NSS).
- ⊗ ‘Vid’ I year degree in Indian Classical music.
- ⊗ Diploma in M. S. Office from government Ganodaya Project **IEC**.
- ⊗ As a member of NAAC committee in Gov. Madhav Science P. G. College Ujjain.
- ⊗ As a member of Vivekanand carrier Guidance cell in Gov. Art and Science college Alot.
- ⊗ In Scholarship form submission committee.
- ⊗ In committee of making scientific Model of “Galaxy” in Madhav Science P.G. College Ujjain.
- ⊗ In admission committee of Gov. Madhav Science P. G. college in 2020-2021

Publication :- 13 Full Paper Published

Conferences Attended (International): 1

Conference/Symposium Attended (National): 3

SUBJECT RELATED ACTIVITY

BSc I, II, III Year Physics classes, C.C.E., Project Work, Practical, Exam Duty, C.C.E., Departmental Work, remedial Classes for Slow Learner, Punravalokan classes, online classes, Teaching through Google classroom.

Teaching of M. Sc. Physics classes in Department of Physics in Vikram University from 2010-2013 as a research scholar.

Teaching Learning Pedagogy :- Offline/online mode Google Meet, zoom,
Power Point Presentation through slide share.

MAJOR SOCIAL ENGAGEMENT-

Scholarship work, Department Library work and College Library Work, Result Evaluation committee for NAAC from 2015-2020 for all P. G. courses running in college in 2021

Technical Skills:

- ❖ Experimental techniques, Instruments Handling: Laser Optics and other General Experiments, Electrical and Electronics Experiments.