

Personal Details

Name : Dr. Reshma .N. Nesargi
Qualification : M.Sc., M.Phil., Ph.D.



Academic Profile:

Designation : Assistant Professor
Status : Permanent
Department : Physics
Date of Appointment : 21-10-2011

Total Experience :

- i) Assistant Professor in Kittel Science College, Dharwad from Jan 2008 to 20-10-2011
- ii) Assistant Professor in Karnatak Science College, Dharwad from 21-10-2011 till date

Teaching Activities

a) Teaching load per week: lecturers + practical

Class	Assigned per week			
	Lectures	Lab work	Seminar and Tutorials	Total
M.Sc. I sem (2011-12)	04	04		20
M.Sc. II sem (2011-12)	01	04	conducted	05
B.Sc. II and VI sem (2011-12)	02	22	conducted	22
PUC II (2012-13)	04	16		20

Research Topic : Some Electronic properties of Semiconducting Nanostructures

Workshops/ Conferences Attended:

1. Attended **51st DAE Solid State Physics Symposium** held at Barkatullah University, Bhopal, during Dec 26-30, 2006 and presented a paper entitled
“Energy loss rate of hot electrons due to confined acoustic phonon modes in free-standing quantum well in quantizing magnetic field”
2. Attended **Fourteenth International Workshop on the Physics of Semiconductor Devices** held at IIT Bombay during Dec 16-20, 2007 and presented a paper entitled
“Free Carrier Absorption in free-standing quantum well Nanostructures”
3. Attended **State Level Seminar on Non Conventional Energy Sources** held at Jagadguru Tontadarya College, Gadag on 12th March 2008.
4. Attended **International Colloquium on Nanotechnology** held at S.D.M. College of Engineering and Technology, Dharwad during July 8-9 2008.
5. Attended **Introductory Workshop on Astronomy and Astrophysics** held at Department of Physics, Karnatak University, Dharwad during Dec 5-7, 2005.
6. Attended a Seminar on **Trends in Condensed Matter Physics** held at Department of Physics, Karnatak University, Dharwad during March 8-9, 2006.
7. Attended a **State level Astronomy Programme** held at Department of Physics, Karnatak University, Dharwad during Oct 8-9, 2010.

LIST OF PUBLICATIONS:

1. Confined Acoustic Phonon Assisted Cyclotron Resonance in free-standing semiconductor quantum well structures.
J.S. Bhat, R. A. Nesargi and B.G. Mulimani
Physical Review B 73, 235351 (2006).
2. Energy loss rate of hot electrons due to confined acoustic phonon modes in free-standing quantum well structures.
J.S. Bhat, R. A. Nesargi and B.G. Mulimani
Journal of Applied Physics 106, 033701 (2009).
3. Energy loss rate of hot electrons due to confined acoustic phonon modes in free-standing quantum well in quantizing magnetic field
J.S. Bhat, R. A. Nesargi and B.G. Mulimani
Proceedings 51st DAE Solid State Physics Symposium
4. Free Carrier Absorption in free-standing quantum well Nanostructures
J.S. Bhat, R. A. Nesargi and B.G. Mulimani
Proceedings Fourteenth International Workshop on the Physics of Semiconductor Devices

Evaluation and conducting of Examinations

- Internal Examiner for Practical Examination of B.Sc. I, III, II and VI sem 2008-09
- Internal Examiner for Practical Examination of B.Sc. I, III, II and VI sem 2009-10
- Internal Examiner for Practical Examination of B.Sc. I, III, II and VI sem 2010-11
- External Examiner for Practical Examination of B.Sc. II sem 2010-11 in Govt First grade College, Hubli and Dharwad
- External Examiner for Practical Examination of B.Sc. III sem 2011-12 in JSS college, Dharwad.
- Central Valuation for B.Sc. II sem 2009-10.
- Central Valuation for B.Sc. IV sem 2010-11.
- Central Valuation for B.Sc. III sem 2011-12.
- External Examiner for Practical Examination of B.Sc. II and IV sem 2011-12 in Govt First grade College, Dharwad
- Central Valuation for B.Sc. IV sem 2011-12.

Personal academic responsibility :

- i) Staff incharge for B.Sc.- VI and M.Sc.-II sem 2011-12
- ii) Staff incharge for B.Sc.- V sem 2012

Address for Correspondance:

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