

FACULTY PROFILE

Name : Ms. M. Muthukrishnaveni
Designation : Assistant Professor (Sr.Gr)
Email ID : muthukrishnaveni.sh@srit.org
Area of Specialization : Semiconductor Physics
Total Experience : Academic : 9 Years 9 Months



Educational Qualification:

Degree	Branch / Specialization	College	University
B.Sc	Physics	V. V. Vanniaperumal College, Virudhunagar	Madurai Kamaraj University, Madurai
M.Sc	Physics	V.V. Vanniaperumal College Virudhunagar	Madurai Kamaraj University, Madurai
M.Phil	Physics	The American College, Madurai	Madurai Kamaraj University, Madurai
(Ph.D) (Thesis submitted on 14 -10 - 2015)	Semiconductor Physics	Thiagarajar College, Madurai	Madurai Kamaraj University, Madurai

Experience Details:

S.No	Institution/Industry	Design.	Experience		Total Years & Months
			From	To	
1	Sri Ramakrishna Institute of Technology	Assistant Professor (Sr.Gr)	1-10-2014	Till Date	1 year 9 months
2	Sri Ramakrishna Institute of Technology	Assistant Professor	1-6-2013	30-09-2014	1 years 4 months
3	Sri Ramakrishna Institute of Technology	Lecturer	24-02-2010	31-5-2013	3 years 3 months
4	K.L.N. College of Engineering, Sivagangai	Lecturer	2 – 7 –2008	12 – 2 -2010	1 year 7 months

5	Odaiyappa college of Engineering and Technology, Theni	Lecturer	4 – 7 -2006	13 – 5 -2008	1 year 10 months
Total (as on Feb 2016)					9Years 9 Months

Educational Qualification:

Degree	Branch / Specialization	College	University
B.Sc	Physics	V. V. Vanniaperumal College, Virudhunagar	Madurai Kamaraj University, Madurai
M.Sc	Physics	V. V. Vanniaperumal College Virudhunagar	Madurai Kamaraj University, Madurai
M.Phil	Physics	The American College, Madurai	Madurai Kamaraj University, Madurai
(Ph.D) (Thesis submitted)	Semiconductor Physics	Thiagarajar College, Madurai	Madurai Kamaraj University, Madurai

Funded Projects:

S. No.	Funding Agency	Topic	Amount Sanctioned in Rs.	Year of Sanction

Consultancy Work:

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year

Patents (Specify the details) :

Publications :

Journals : 2

1. “Mott criterion for Metal- Insulator Transition in doped semiconductors in an intense magnetic field” M. Muthukrishnaveni and N. Srinivasan , *International Journal of Phase Transitions (Taylor & Francis)*, Vol.85, No.5, May 2012, 391-399 (Annexure I Journal). Impact factor – 0.954.

Citations- 2

2. "Electron – electron interaction and Metal – Insulator transition in Doped Semiconductors under intense magnetic fields" *International Journal of Phase Transitions (Taylor & Francis), Vol.88, No.12, 2015, 1174 – 1180, (Annexure I Journal). Impact factor – 0.954.*

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International Conferences:

1. "Metal-insulator transition in doped semiconductors under high magnetic fields"

presented in International Conference on Electrical, Instrumentation & Communication Engineering Recent Trends and Research issues held at Sri Krishna College of Technology, Coimbatore from 2nd – 3rd January 2015.

National Conferences:

1. "Donor electron is a quantum well under the influence of a magnetic field – relative strengths of confinement" presented in the National Conference on Recent developments in materials and methods held at Auxilium College, Vellore on 15th September 2015.
2. "Magnetic field dependent polarizability and electric field dependent diamagnetic susceptibility of a donor in Si" presented in the National Conference on Materials for Modern world, sponsored by DST – SERB held at Easwari Engineering College, Chennai from 28th to 29th September 2015.
3. "Metal – Insulator transition and Electron – electron interaction under intense magnetic fields in Si" presented poster presentations in the National Seminar on Nanomaterials and its Applications, sponsored by KSCSTE & ACT held at Department of Chemistry, Mar Ivanios College (Autonomous), Nalanchira, Thiruvananthapuram, Kerala on 1st October 2015.

Seminar, Conference, Workshop Attended:

1. Two-week ISTE short term training programme (STTP) on Engineering Physics conducted by IIT, Bombay from 08.12.2015 to 18.12.2015.
2. One day state level workshop on "Research **Methodology**" conducted by SSM College of Engineering, Komarapalayam on 20-07-2011.
3. One day National Workshop on "**Need Based Approach For Effective Teaching**" conducted by Sri Ramakrishna Institute of Technology, Coimbatore on 21 – 06 – 2011.

Seminar, Conference, Workshop Organized:

S.No.	Title	Duration	Level (Intern./National)

Ph.D Guidance / Supervisor ship:

Name of Scholar	Course	Area of Research	Status

Guest Lectures Delivered:

Topic	Institution	Date(s)

Contributions to the Institution, Department and Society:

1. Senior Tutor & Tutor for First Year B.E/B.Tech students for the past four years
2. Member in Anti-ragging committee.
3. Member in Women Empowerment Cell.
4. Member in certificate committee in the graduation day programme.
5. Member in disciplinary committee in the Annual day programme.
6. Member in catering committee in the first year induction programme.
7. Programme Co-ordinator for Student Technical Enhancement Cell

Awards and Recognitions:

1. I was appreciated with cash price of Rs.1000 for produced 100% pass result in the subject HS1102- Engineering Physics –I examinations in the year November 2009.