

Dr.Sreejith K.Pisharady

Dr.Sreejith K.Pisharady Msc.Ph.D
Assistant Professor
Dept of Physics
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Areas of research interests

Thin films,
Device fabrication using organic semiconductors
Synthesis and characterizations of nanomaterials.

Positions held at S.D.College

Additional Superintend of Examinations (2 Years)
Purchase Committee Convenor (Last Four Years)
Co-ordinator FIST
Co-ordinator, Amrutha Virtual Labs 2013-14

Projects Undertaken- Polyaniline coated coir matrix for microwave absorption.
Minor Research Project, funded by UGC

Educational qualifications

MSc, Ph.D from Mahatma Gandhi University, Kottayam

Awards and achievements

Young scientist award 2006

Teaching experience

3Years as Lecturer in Physics – Musalliar Engineering College, Pathanamthitta (2006-09)
2 Years as Lecturer in Physics- Amal Jyothi Engineering College Kanjirapally (2009-10)
13 Years at SD College as Assistant Professor (From 21-11-2010 onwards)

Highlights

I can effectively handle the following areas,

- a) Carrier advancement in Science and Technology
- b) Designed training programs incorporating technology and media for effective delivery.

Training /Workshops attended/conducted

- a) Attended one week training programme on “E-content development” conducted by MHRD Calicut university.
- b) Organization committee member- Shastrapadham-2018
- c) Master trainer for IT in Additional Skill Acquisition Programme – 2017
- d) Attended one day workshop for WWS mentors.
- e) Attended one day training programme for ASAP master trainers.
- f) Delivered several popular lectures in the field of science, technology and environment in various schools, colleges and teacher training centres.
- g) Attended One day state level workshop on Public Financial Management system (PFMS) and Expenditure, Advance and Transfer (EAT) module

Publications

- 1 Optical and Electrical properties of Carbazole thin films, Sreejith K.Pisharady, C.S.Menon and C.Sudarsanakumar, *Journal of Material Science letters*,**40**(2005)2047.
- 2 Electrical properties Schottky diodes based on Carbazole, Sreejith K.Pisharady, C.S.Menon and C.Sudarsanakumar *Journal of Material Science*.**41** (2006)2417
- 3 Effect of air annealing on the optical electrical and structural properties of carbazole thin films, Sreejith K.Pisharady, C.S.Menon C.Sudarsanakumar and T.G.Gopinathan, *Materials Chemistry and Physics*, **100**(2006)147.
- 4 Electrical properties and Schottky diodes using N-N' diphenyl 1-4phenelenediamine. Sreejith K.Pisharady and C.S.Menon, *Journal of Physics and Chemistry of Solids*, **67**(2006)1830.
- 5 Electrical conductivity studies on Carbazole thin films, Sreejith K.Pisharady, C.S.Menon and C.Sudarsanakumar, *Vacuum*, **82**(2008)1291.
1. Thin film Schottky diodes using Carbazole, Sreejith K.Pisharady, C.S.Menon and C.Sudarsanakumar,
National conference on emerging materials and technology, SV University August 3-4 Thirupathi(2004).
- 2 Electrical properties of Carbazole thin films, Sreejith K.Pisharady, C.S.Menon and C.Sudarsanakumar,
National Seminar on Modern trends in Material Science, August 29-30 Calicut University (2005).
- 3 *Schottky diodes fabricated using N-N' diphenyl 1-4phenelenediamine*, Sreejith K.Pisharady, C.S.Menon and C.Sudarsanakumar,
National Laser Symposium, December 7-10 VIT (2005)
- 4 Effect of annealing on the electrical optical properties of Oligoaniline thin films” Sreejith K. Pisharady, C S Menon and C.Sudarsanakumar,
Seminar on Crystal Growth, Characterizations and Application, December 30-31, Coimbatore (2005)

5 Structural properties of Carbazole thin films, Sreejith K.Pisharady, C.S.Menon and C.Sudarsanakumar.

National conference on preparation and characterization of crystalline materials, January 19-21, (2006).

6 Fabrication and characterization of thin film Schottky diodes using Carbazole Sreejith K.Pisharady, C.S.Menon and C.Sudarsanakumar,

18th Kerala Science Congress, January 29-31, Thiruvananthapuram (2006).

7 Fabrication and characterization of thin film Schottky diodes using Carbazole, Sreejith K.Pisharady, C.S.Menon and C.Sudarsanakumar.

National conference on Electron microscopy and 28th annual meeting of Electron Microscope Society of India, April 19-21, (2006).

8 Electrical properties of vacuum deposited thin films of N-N' diphenyl 1-4phenelenediamine, Sreejith K.Pisharady, C.S.Menon and C.Sudarsanakumar

Solid State Ionics, June 6-8 Bharateeyar University, Coimbatore (2006).

9 "Fabrication and characterization of thin film Schottky diodes" Sreejith K. Pisharady, C S Menon and C.Sudarsanakumar

16th Swatheshi Science Congress, November 7-9, Parumala, Kerala (2006)

10 Fabrication and characterization of thin film Schottky diodes using Oligoaniline. 19th Kerala Science Congress, January 29-31, Kannor(2007).

11 Electrical properties of Schottky diode using Oligoaniline- A comparative study of various electrodes.

National Conference on SMART Materials and Recent Technologies, SV University, Thirupathi, February, 22-23(2007).

12 EMI Shielding effectiveness of Polyaniline coated coir

27th Kerla State Science Congress 27-29 January 2015

13 Mott Variable range hopping transport in thermal evaporated vanadyl 1,2,3 naphthalocyanine thin films, Dhanya I, Malathy Krishnan, Reny Renji, Rachel G. Varghese, Sreejith K.Pisharady, *Materials Chemistry and Physics* 272(2021)125029

14 Electrical conductivity studies and correlated barrier hopping transport in Europium-doped graphene oxide nanocomposites, Dhanya, I S. Heera, Soosen Samuel M. and Sreejith K. Pisharady, *New Journal of Chemistry* DOI: 10.1039/d1nj04443e

Text book/ Book Chapter Co-authored

1) **A Text book of Engineering Physics**, Published by *S.Chand & Co. New Delhi*.

2) **Electrical Energy Transport Through Correlated Barrier Hopping Mechanism in Silver-Decorated Graphene Oxide Nano Layers**, Dhanya I., Heera S., Anju Elizabeth Yohannan, Aswini Mariam Vinod, Meenakshy Salim, Asiya Shafeek, and Sreejith K. Pisharady, Apple Academic Press 2023, ISBN: 9781774916643