PUNEETH KUMAR P
No.18, 2nd Main Road,
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Bengaluru, Karnataka, India
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RESEARCH AND TEACHING WORK EXPERIENCE

- Assistant Professor at Department of Physics, S J C Institute of Technology. (January 2022-present)
- Research Assistant at Centre for Excellence in Advanced Materials, School of Applied Sciences, REVA University, Bengaluru, India. (August 2019 – January 2022)
- Guest lecturer at Department of Physics, Maharani Science College for Women, Bengaluru, India. (July 2019 - September 2019)
- Project Student at Ultrafast and Non-linear optics Lab (UNO), Raman Research Institute, Bengaluru, India. (February 2019 – June 2019)
  (Title: Experimental determination of nonlinear absorption in Zinc Phthalocyanine)

ACADEMIC QUALIFICATIONS

- M.Sc. in Physics, School of Applied Sciences, REVA University, Bengaluru. (2017-2019)
  CGPA: 8.73/10
- B.Sc.(core subjects: Physics, Mathematics, Computer Science), Government Science College, Bengaluru University, Bengaluru. (2014-2017)
  CGPA: 7.18/10

PERSONAL SKILLS

- Co-operative and Positive attitude.
- Take initiative and work independently or as part of a group.
- Easy to make friends and adjust in any environment.
- Capable of working in challenging and demanding environment.
- Positive thinking and Independent.

CONFERENCE AND WORKSHOP ATTENDED

- 5th International Conference on Nanoscience and Nanotechnology, SRMIST, Kattankulathur, Chennai, India.
- Workshop on “Selected Topics in Physics: Materials Science, Electronics and Astrophysics”, Jain University, Bengaluru.

- "Two Days Expert Lecture Series on Current Trends in Mathematical and Physical Sciences" Organized by M S Ramaiah University of Applied Sciences, Bengaluru.
- "Four Days Hands on Training Program on Synthesis and Characterization of Nanomaterials" at Visvesvaraya Technological University, Center for Postgraduate Studies, Bengaluru Region, Muddenahalli, Chikkaballapur, Bengaluru.
- National Conference on **"**Emerging Trends in Science and Technology**",** Soundarya Institute of Science and Management, Nagasandra, Bengaluru.
- **"**International Symposium on Nanomaterials-2018**",** Visvesvaraya Technological University, Muddenahalli, Chikkaballapur.
- REVA Research Conclave **(**RRC-2018), REVA University, Bengaluru.

CONFERENCES / LECTURES ORGANISED

- Science Academics lecture workshop on "**Physics on Materials**" 24th & 25th January 2019 at School of Physical Sciences, REVA University, Bengaluru in Association with Indian Academy of Sciences and National Academy of Sciences.

Papers presented in International Conference

- **Puneeth Kumar P**, Sunitha D V, Hareesh K*, Dhole S D, More M A, Jim Williams, " Development of $CoFe_2O_4$ scaffolded reduced graphene oxide/Carbon nanotubes towards field emission application", 5th International Conference on Nanoscience and Nanotechnology, SRMIST, Kattankulathur, Chennai, India.
- **Puneeth Kumar P**, Hareesh K*," III-V Semiconductor Multijunction solar cell for space applications", International Conference on Recent Advances in Applied Sciences, 17th-18th October 2019, REVA University, Bengaluru, India.

Journal Publications (* indicates corresponding author)

- **Puneeth Kumar P**, Usha G, Bhanu Pratap D, Krishnapriya G, K.R. Sature, Jishnu Dwivedi, V.C. Petwal, Hareesh K*. **Experimental and theoretical aspects on the influence of 9 MeV electron beam irradiation on the properties of $In_xGa_{(1-x)}P$/InGaAs/Ge triple-junction solar cell.**
  Communicated – Solar Energy Materials and Solar cells.

M.Sc. Dissertation

❖ **Title**: Experimental determination of nonlinear absorption in Zinc Phthalocyanine

❖ **Objectives of the work**:

- Experimental Setup of Open Aperture Z-scan.
- Calculation of Nonlinear Absorption Coefficient.
- Variation of Nonlinear Absorption Coefficient(β) with Pulse Energy and Concentration
- Z-scan Error Bar calculation.

- The Research work was carried out under the guidance of **Prof. Reji Philip**, Light and Matter Physics Group, Ultrafast and Nonlinear Optics Lab, **Raman Research Institute,** Bengaluru.

RESEARCH INTERST

1. Synthesis of energy harvesting materials for various applications.
2. Design and development of Solar cells.
3. Radiation effects on Materials.
4. Material Science
5. Optical characterization Techniques
6. Electrical Characterization Techniques

INSTRUMENTATION AND TECHNICAL SKILLS

- UV-Visible Spectrophotometer, FTIR Spectrophotometer.
- Keithley 4200 SCSA
- Origin lab, VESTA
- Beginner in Density Functional Calculations (QUANTUM ESSPRESSO)
- Knowledge in C-Programming, Microsoft office.
- Beginner in R programming.

PERSONAL DETAILS

Name of the Candidate	: PUNEETH KUMAR P
Father Name	: Late. PRABHAKAR R
Mother name	: MAHIMAVATHI B
Date of Birth	: 08/11/1996
Sex	: Male
Contact no	: +918494859189
Email	: puneethkumar.p1996@gmail.com
Marital Status	: Single
Category	: OBC-NCL
Language	: English, Kannada, Hindi, Tamil and Telugu.

REFERENCES

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Date: 14/01/2022
Place: Bengaluru

[Puneeth Kumar P]