

NOVIN SENETRA ROY G

BASIC INFORMATION

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OBJECTIVE

To be a dynamic researcher, experimentalist and a good teacher in-order to demonstrate the challenging tasks in life at greater depths committed to science.

WORK EXPERIENCE

Assistant Professor in Physics June 2019 - Till date

St. Joseph's College (Autonomous), Tiruchirappalli, Tamilnadu, India

- *Learning Management System - JosTel, Coordinator for Evaluation* of the college.
- *Teacher cum Trainer* for the certificate course on "SOLAR PHOTO-VOLTAICS: Installation and Maintenance".
- Opted *Member for the ACIC* research facility of the college.
- *Teacher cum Trainer* for the certificate course on "SCILAB for Physics problems solving".
- *Teacher cum Trainer* for the certificate course " Digital Photography".
- Member of the Discipline committee of the college.
- Member of the UG & PG Soft Skill training committee.
- Member of the Technical committee of the department.

Assistant Professor in Physics June 2017 - May 2019

Loyola College of Arts & Science, Mettala, Tamilnadu, India

- Been as the Dean of Students Affairs between 2018 - 2019.
- Member of the Technical committee of the college.

EDUCATION

Doctorate of Philosophy 2023 - on-going

St. Joseph's College (Autonomous), Trichy, Tamilnadu, India.

Research Fields:

- Super Capacitors
- Nanomaterials,
- Nanoscience,
- Material Science,
- Solid State Physics,

Master of Science in Physics June 2013 - April 2015

St. Joseph's College, Trichy.

First class, Distinction of 80.4%.

- Project submitted under the title "Microwave Assisted- Synthesis of NaOH capped CdS Nanoparticles"

under the guidance of Mr. B. Kanickairaj, Associate Professor, St. Joseph's college, Trichy.

Bachelor of Science in Physics

June 2010 – April 2013

St. Joseph's College, Trichy.

First class, Distinction of 84.2%.

Schooling

1996 – 2010

Campion A.I.H.S.S., Trichy.

- XII – SSLC passed with 82.5%
- X – ASLC passed with 85.6%

TECHNICAL QUALIFICATION

- Qualified the "Tamilnadu State Eligibility Test (TN-SET) – 2016" in Physical Sciences, Reg. No.: 3001562.

INTERNSHIPS

- Was selected for Summer Training in Physics (STIP-2014) at IGCAR, KALPAKKAM : Done a project on "ZnO nanoparticles- Electrical Properties using Scanning Probe Microscope" under Dr. G. Mangamma, SND, IGCAR, KALPAKKAM.
- Was selected for an one week research orientation programme named under the title IMPRESS 2015 – Inspiring the Minds of Post-graduates for Research in Earth and Space Sciences by Indian Institute of Geomagnetism (IIG), Mumbai.
- Attended the "Science Academies Refresher Course on QUANTUM MECHANICS" hosted by all the three INDIAN ACADEMY of SCIENCES, INDIA in 2016 and organized by B. S. Abdur Rahman University, Chennai.
- Attended the "Science Academies Refresher Course on Theoretical Mechanics" hosted by all the three INDIAN ACADEMY of SCIENCES, INDIA in 2022 and organized by St. Joseph's College, Tiruchirappalli.

SKILLS & ABILITIES

Computer Skills

Hands-on experience with Software packages:

- Origin 9 and above
- SCILAB
- Proteus 8
- Arduino IDE
- Keil (Ver. 4).
- Anaconda, Thony
- Open Broadcast Software (OBS)
- Blackmagic studio
- Blackmagic – Da Vinci Resolve video editing
- Resolume & Arena VJ software
- HD player/ set
- Adobe Products: Photoshop, Lightroom, Audition
- Microsoft Office packages

Interpersonal & Communication Skills

- Fast learner
- Optimistic
- Practical analyst
- Colloquial teacher
- Team worker
- Negotiation

- Organisation
- Emotional Intelligence
- Leadership
- Openness to Feedback
- Jovial
- Sharing

PRESENTATIONS AND ACHIEVEMENTS

- Published in the Conference Proceedings, article on *GREEN SYNTHESIS & CHARACTERIZATION OF NZVI (Fe) NANOPARTICLES FROM Azadirachta indica*, International Conference on Current Research and Advancements In Materials Science and Spectroscopy Feb. 10 - 11, 2023 held at Department of Physics, School of Physical Sciences, St. Joseph's College (Autonomous), Tiruchirappalli – 620002, India.
- Chief Guest for the Physics Webinar Series 2021 and gave a lecture on "FOR THE LOVE OF PHYSICS " at Loyola College, Mettala, Tamilnadu, India.
- Been as the Leader for the Environment Group during the B.Sc. course for SHEPHERD, an outreach programme which was a part of the curriculum at St.Joseph's College, Trichy.Been as a member of a Higher Secondary Educational Group in M.Sc. course for SHEPHERD.
- Presented papers at NIT-Trichy at inter collegiate level on 'Nanostructured paper Batteries / Super capacitors' and won prizes.
- Participated in National conferences in Nanotechnology at Bharathiyar University, Coimbatore and presented a poster.
- Participated in Quiz competitions at intercollegiate levels and won prizes.

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