



JAYANTH KUMAR PORALA

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Address: 2-506, Santhi Nagar | Dharmavaram (Mandal) | Sri Sathya Sai (Dist.)

Andhra Pradesh | India | Pincode-515671.

LANGUAGES

Mother Tongue: Telugu
other Language: English | Hindi

HOBBIES

Writing Stories | Thinking
Reading Stories | Meditation

SKILLS

Software Skills
Microsoft | Outlook | Zetro
C language | HTML | origin
Ansys | HFSS | Photoshop
Mendeley | X-perk High Score

Laboratory Skills
chemical vapor deposition
Pellets Making | Sol- gel
Quenching Method | FTIR | XRD
Centrifuge | Sonicator
UV-Visible Spectroscopy
Photo luminescence
Spectroscopy

Communication skills
Presentation | Collaboration
Networking | Writing Skill
Listening Skill | Adaptability

English Proficiency Test

TOFEL Score: 86

OBJECTIVE

Pioneering avant-garde nanoscience, integrating innovative concepts into semiconductors and Nanoscience, driving transformative advancements at technology's forefront.

EDUCATION QUALIFICATIONS

Integrated MSc Nanotechnology	Aug 2018 – July 2023 Acharya Nagarjuna University Guntur India.
Intermediate (10+2)	July 2016 – June 2018 Seetha Ramaiah Junior College Dharmavaram India.
SSC (High School)	June 2015 – April 2016 BSR Municipal High School Dharmavaram India.

MASTER THESIS

Dec | 2022 – July | 2023

Title:
Sustainable Synthesis of graphene-silver nanocomposite for Catalysis reduction of 4-Nitrophenol to 4- Aminophenol.
Summary:
A sustainable approach combines graphene and silver in a nanocomposite for catalytic reduction of 4-nitrophenol to 4-aminophenol, showcasing eco-friendly synthesis and efficient pollutant transformation in catalysis.

INTERNSHIPS

May | 2022 – Jun | 2022

SAMEER-Centre for Electromagnetics (R&D of DIT, Govt of India), Chennai.
Summary:
Engage in the design of Multiple Input Multiple Output (MIMO) antennas tailored for 5G technology, focusing on their application in base stations to enhance communication efficiency and network performance.

Research Paper Publications

- 1) Photoluminescence Studies on $\text{LiNa}_5(\text{PO}_4)_2$: Eu^{+3} Phosphor in Bio interface Research in applied Chemistry, Volume 13, Issue2,2023,175.
- 2)Eco friendly Graphene Silver nanocomposite for catalysis applications for of 4-Nitrophenol to 4-Aminophenol. Carbon letters, springer.

Achievements

- 1) Successfully completed the skill development Training Programme on Energy Materials Fundamentals to Device Fabrication Conducted Through Virtual Mode by CSIR Central Electrochemical Research Institute. (21-25 Jun | 2021)
- 2) One Week Virtual International Short-Term Course on 2D- QDs: Synthesis and Applications in Electroluminescent diode, Sensor and Solar cell Jointly Organized by the Dept of Nanoscience & Technology, Alagappa University India & Brunel University London Uk. (2-6 Aug ,2021)

Certificates

- 1) Participated in the Webinar on Atomic Modelling & Simulation of Materials Organized by Dept of Metallurgical & Materials Engineering, IIT Kharagpur. (30-31st | May | 2021)
- 2) Appreciation Certificate in the National Webinar on Recent Advantages in Chemistry Organized by the Dept of Chemistry & IQAC, Govt G.N.A PG College Bhatpara. (26th | July | 2021)
- 3) Appreciation Certificate One day International Webinar on Role of Physical Science Towards Environmental Sustainability: Prospects & Challenges Organized by the Dr. Meghnad Saha College , West Bengal. (11th | July | 2021)

Extra Circular Activities

- 1) Secured 2nd place in Volley ball in the occasion of university college of science college Day Celebrations (2018-19), Acharya Nagarjuna University. (26th Mar 2019)
- 2) Awarded 2nd Prize (Mandal Level) in Elocution on the Occasion of National Voters Day. (25th Jan | 2015)
- 3) Participated in the District Level 22nd national Children's science Congress-2014, Under the Focal Theme Understanding weather & Climate. (6th-7 th | Nov | 2014)