

JENY RACHEL BIJU

1/49F40, Edasseril House, Dharmagiri, Gudalur,
The Nilgiris, Tamilnadu.



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SUMMARY

Completed my Master's and Bachelor's Degree in Chemistry with a first class distinction.

EDUCATION

Alagappa College of Technology, Anna University,

PhD in Faculty of Science and Technology

Pursuing, Yr: 2022-

Stella Maris College, University of Madras, Chennai

Master of Science in Chemistry

First Class with Distinction, Yr:2019-2021

Little flower college, University of Calicut, Thrissur, Kerala

Bachelor of Science in Chemistry

First Class with Distinction, Yr:2016-2019

Morning Star higher secondary school , Gudalur, The Nilgiris

12th grade

Marks: 80.5% Yr:2016

St. Antony's Matriculation School, Gudalur, The Nilgiris

10th grade

Marks 93.5% Yr: 2014

PROJECT EXPERIENCE

- Project work done during post-graduation on the topic “**DEVELOPMENT OF g-C₃N₄/Ag/CdS NANOCOMPOSITE WITH ENHANCED PHOTOCATALYTIC PERFORMANCE UNDER VISIBLE LIGHT IRRADIATION**” under the guidance of Dr .J. Anitha Priya, Assistant professor, Department of Chemistry, Stella Maris College, Chennai, Tamilnadu
- Dissertation on the topic “**Antioxidants in Passiflora Edulis**” under the guidance of Ms. Jessy .E.J, Assistant Professor, Department of Chemistry, Little Flower College, Thrissur, Kerala
- **Characterization techniques**
Know to Handle instruments like:
 - Gas Chromatography and Gas Chromatography Mass Spectrometry (GCMS) (Shimadzu, Japan)
 - UV- Spectroscopy (Shimadzu, Japan)
 - Dynamic Light Scattering (Litesizer 500)
 - Fourier-Transform Infrared Spectroscopy (*Perkin-Elmer Spectrum 65, USA*)
 - Atomic Adsorption Spectrophotometer

AREA OF RESEARCH INTEREST

- Material Science
- Photocatalysis
- Carbon Nanomaterials
- Catalysis
- Energy and Sustainable Chemistry

ACADEMIC ACHIEVEMENT AWARD

- General proficiency winner 2020
- Dr.Mrs.Yashoda Duraiswamy award for the Best outgoing student of the department 2021

CERTIFICATIONS

COURSERA

- Successfully completed a course on **Writing Professional Emails in English** and an Online non-credit course authorized by the Georgia Institute of Technology.
- Successfully completed '**Introduction to Molecular Spectroscopy**' authorized by the University of Manchester

CONFERENCES AND WORKSHOPS ATTENDED

- International Conference on Recent Advances in Nanoscience and Nanotechnology held on Dec 2019 (ICRAN'19)
- Inter Collegiate Chemistry Exhibition on 'Chemistry for Nature and Nature for Chemistry' held on Feb 2020
- Online workshop on Nuances on computational chemistry held by DG Vaishnav college, Chennai 2020
- Summer Training programme in chemistry (STPIC 2020) conducted online
- Three-day National webinar on Molecular Architecture and the landscape through spectroscopy conducted online by Stella Maris College, Chennai 2020
- Inaugural lecture 'Doing science with roots intact' by Padma Shri Prof.T Pradeep, IIT Madras organised by St.Thomas College, Thrissur 2020
- Participated in the Author workshop on " Research Metrics and how to choose the right journals to Read and Publish " organised by Anna University Library 2022
- Participated in Three Day Induction Programme organised by Centre for Research, Anna University, Chennai 2022
- Participated in the International Seminar on " Technologies for Energy from municipal solid waste " 2022
- Participated in the second International Conference on "Advances in Chemistry with specific reference to Catalysis, Sensors, Drug Delivery ,Energy Materials and Anti- cancer Studies" 2022
- Participated in the Virtual National Workshop on "How to improve Authors Citations-Phase 2" organised by the Department of Chemical Engineering ,Sri Sivasubramaniya Nadar College of Engineering on June 6th.
- Participated in IP Awareness Training Program under National Intellectual Property Awareness Mission on 3rd August, 2022
- Participated in the "TECH EXPO 2022" conducted by Centre for Sponsored Research and Consultancy held at Anna University ,Chennai during 11-13th August 2022

- Participated in the two days AICTE sponsored national conference on RAMPE'22 conducted by the Department of Mechanical Engineering and Petrochemical engineering of Mahendra Institute of Engineering and Technology Namakkal ,TN on 1st and 2nd September 2022
- Participated in the two days "Regional Workshop on Instrumental Methods- WIM 2022" organised by the department of Chemistry,Stella Maris College in collaboration with the Centre for research in Science and Technology (CRIST) on 12 and 13 September.
- Participated in one day Awareness workshop on intellectual property rights and innovation -2022 conducted by Centre for Intellectual Property Rights(CIPR),Anna University on September 16th

ACHIEVEMENTS

- Secured Third place in oral presentation of the PROJECT IN STUDENT CONCLAVE (STIR) conducted by Bishop Heber College,Trichy (2021)
- Best oral presentation award in the category of environment in the AICTE sponsored second international conference on ENERGY, ENVIRONMENT AND ADVANCED MATERIALS FOR A SUSTAINABLE FUTURE organised by Kongu Engineering College.(2021)
- Presented an oral presentation on the topic "Synthesis of Ternary Cds/Ag/ g-C₃N₄ nanocomposite with enhanced hydrogen production activity and photocatalytic performance" at the Second ICACSEM-2022 conference organised by the Department of Physical Chemistry,University of Madras in collaboration with Royal Society of Chemistry(RSC),RUSA 2.0,Tamilnadu State Council for Higher Education 2022.
- Presented an oral presentation on the topic "Fabrication of Heterostructured Ni/Ag/ g-C₃N₄ nanocomposite synthesized for efficient photocatalytic hydrogen production in the two days AICTE sponsored national conference on RAMPE'22 conducted by the Department of Mechanical Engineering and Petrochemical engineering of Mahendra Institute of Engineering and Technology Namakkal ,TN on 1st and 2nd September 2022.
- Exhibited in the "TECH EXPO 2022" conducted by Centre for Sponsored Research and Consultancy held at Anna University ,Chennai during 11-13th August 2022 .

SKILLS

- Analytical thinking
- Problem using
- Communication skills
- Clear public speaking skills
- Advanced interpersonal skills
- Team leadership
- Presentations

EXTRACURRICULAR ACTIVITIES

- 1. Completed National cadet corps (NCC) B and C Certifications. (2016-2019)**
- 2. Awarded as Second Best Cadet in NCC (Annual Training Camp)**
- 3. Was the Class representative during Post Graduation.**

REFERENCE

Dr. S. Sivanesan

Professor,
Alagappa College of Technology,
Anna University,
Chennai-25,
Ph: +91 9444960106
E.mail: sivanesh1963@gmail.com

PERSONAL DETAILS

Father's Name	:	Biju Elias
Mother's Name	:	Omana Biju
Known languages	:	English,Hindi,Malayalam,Tamil,French
Marital Status	:	Single
Nationality	:	Indian
Date of Birth	:	22 January 1999

DECLARATION

I hereby declare that the particulars of information and facts stated herein above are correct and complete to the best of my knowledge and belief.

JENY RACHEL BIJU