

BIO - DATA

Personal Information

- a. Name : S. ANCIYA
- b. Mobile : 8248306484, 9750530031.
- c. E-Mail : santhaanciya@gmail.com
- d. Father's Name : A. Sudalai palam
- e. Mother's Name : S. Chandra
- f. Address for Correspondence : 1/134, West Street,
Chockkalinga Puram, K.C. Puthur (P.O),
Thisaiyanvillai-627 657
Tirunelveli-(District)
- g. Date of Birth : 27.11.1995
- h. Sex : Female
- i. Religion and Community : Hindu, Nadar
- j. Mother Tongue : Tamil
- k. Language Known : Tamil and English
- l. Nationality : Indian
- m. Marital Status : Unmarried
- n. Area of Specialization : Crystal Growth
- o. Salary Expected : 25000 to 30000



Academic Qualifications

Degree of Examination	Name of the School/College / University	Date of		Subject	Class or Division Average Marksof Grade
		Entry	Exit		
M. Sc.,	Govindammal Aditanar College for Women	2016	2018	Physics	First class (67%)
B.Sc.,	Sarah Tucker College	2013	2016	Physics	First class (61%)

Research Experience & Training

Research Stage	Title of the work/Thesis	University where the work was carried out
Ph.D. (Thesis Submitted) Reg.No. 19211072132013 dated 29/08/2019	INVESTIGATIONS ON GROWTH AND CHARACTERIZATION OF SULPHAMIC ACID BASED CRYSTALS FOR OPTICAL APPLICATIONS	Manonmaniam Sundaranar University, Tirunelveli.

Skills

- Good knowledge in subject and ability to convey it to the students.
- Ability to combine the teaching and research activities.
- Remarkable ability to teach, inspire and develop young people
- Knowledge on MS office tools.
- Best paper award-1.

Project Undertaken

The growth and characterization of sodium hydrogen carbonate, nickel sulphate and imidazole incorporated sulphamic acid single crystals by SEST method and study its structural, spectral, optical and mechanical properties.

LIST OF PUBLICATIONS

1. **Anciya, S** & Joy Sinthiya, ASI 2020,' Spectral, mechanical and linear optical studies of sodium hydrogen carbonate doped sulphamic acid single crystals', Journal of Advanced Scientific Research, vol. 11, no. 3, pp. 121-126, ISSN: 0976-9595 (UGC approved journal– Sciensage).
2. **Anciya, S**, Joy Sinthiya, ASI, Selvarajan, P & Sree Devi, R 2022, ' Imidazole added sulphamic acid single crystals with optimal properties for optoelectric devices', Materials Today: Proceedings, vol. 49, pp. 2276-2282, ISSN: 2214-7853. IF-1.46, (Scopus indexed journal- Elsevier).
3. Antony Christian Raja, A, Joy Sinthiya, ASI, **Anciya, S**, Selvam, V & Velmurugan, K 2024, 'Exploiting the combined power of C3N4/Ti3C2/Gd2O3 nanocomposites for advanced ciprofloxacin and pathogendegradation in wastewater', Optik, vol. 299, pp. 171577, ISSN:0030-4026. I.F-3.1., (Scopus indexed journal- Elsevier).
4. **Anciya, S**, Sree Devi, R, Joy Sinthiya, ASI, Selvam, V, Selvarajan, P & Martin Britto Dhas, SA 2024, 'Mild Shock waves and Enhanced Optical characteristics of Sulphamic acid Single crystals doped with Pyridine-2-Carboxylic acid', Journal of materials science: materials in electronics, vol. 35, pp. 1107. I.F-2.779 (Scopus indexed journal-Springer).

BOOK CHAPTER

- Published a book chapter "Growth, structural, optical, thermal and mechanical studies of a novel nickel sulphate doped sulphamic acid single crystals for optical applications" in springer proceedings in physics volume (265).

BEST PAPER AWARD

- The presented paper entitled "Imidazole added sulphamic acid single crystals with optimal properties for optoelectric devices" was **awarded as the best paper** in the conference.

LIST OF CONFERENCE/SEMINARS ATTENDED

- Participated in the International Seminar on "Advanced Materials (AM-2019)" organized by the Departments of Materials Science and Physical Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai on 23rd September 2019.
- Attended the IQAC sponsored workshop on "Writing and Publishing Research articles: A Strategic approach" organized by Internal Assurance Cell (IQAC), Kamaraj College, Thoothukudi on 1st October, 2019.
- Participated in the International conference on "Advanced Materials and their Applications (ICAMA-2019)" on 13th December 2019, held at Department of Chemistry, V.O.Chidambaram College, Tuticorin.

- Participated in the International Webinar on “Recent Advances in Materials Science and Technology” on 26th June, 2020.
- Participated in the One Day National Workshop on “Modern Ethics in Research Methodology” organized by P.G.& Research Department of Commerce, The M.D.T. Hindu College, Pettai, Tirunelveli on 12.02.2020.
- Participated in the International Conference on “Advanced Materials (ICAM 2020)” organized by The School of Physical Sciences, St. Mary’s College (Autonomous), Thoothukudi on January 30th & 31st, 2020.
- Participated in the Online Quiz Programme on “NIPC 2020-Physics Quiz Competition” organized by Nikola Tesla Physics Club of Department of Physics, Government Arts and Science College, Nagercoil, on 26.5.2020.
- Participated in the National Level E-Quiz on “Fun of Physics” organized by the PG & Research Department of Physics jointly with Internal Quality Assurance Cell (IQAC), The M.D.T. Hindu College, Pettai, Tirunelveli on 29th & 30th June 2020.
- Participated in the Online Faculty Development Programme on “Virtual Learning Platform for Experimental Science” organized by the Department of Physics on 2nd July, 2020.
- Participated in the National Level Webinar on “Sustainable Chemistry” organized by the Department of PG Chemistry on 16th July 2020.
- Participated in the National Level Webinar on “Recent Trends in Crystal Growth” organized by Research Department of Physics, St. Xavier’s College (Autonomous), Palayamkottai on 10th July 2020.
- Participated in the International Webinar on “Quantum Materials and Nanoparticles for Advanced Applications” organized by Department of Physics (SF), Kamaraj College, Thoothukudi on 6th August 2020.
- Participated in the Two Days Online Workshop on “Research Icon and Techniques for Materials Characterization” organized by the PG and Research Department of Physics jointly with Internal Assurance Cell (IQAC) of The M.D.T. Hindu College, Pettai, Tirunelveli on 31.7.2020 & 1.08.2020.
- Participated in the Webinar on “Smart Materials and Applications” organized by the Department of Physics, Kamaraj College on 9th July 2020.
- Participated in the National Webinar on “Terahertz Generation Studies of NLO Crystals” organized by the Department of Physics and Research Centre & IQAC, Nesamony Memorial Christian College, Marthandam on 25.07.2020.
- Participated in the International Webinar on “Advancement in Nanotechnology” organized by the Department of Chemistry and Research, Annai Velankanni College Tholayavattam on 18.07.2020.

- Participated in the Webinar on “Development of Device Quality Unidirectional NLO and Ferroelectric Single Crystals for SHG and IR Detector Applications” organized by Department of Physics, KPRIET on September 18th 2021.
- Participated in the International Webinar on “Introduction to 3D Printing Technology and Development of 3D Printed Sensors for Various Applications” organized by Post Graduate and Research Department of Physics jointly with Internal Quality Assurance Cell (IQAC) of The M.D.T. Hindu College, Pettai, Tirunelveli on 08.09.2021.
- Participated in the National Webinar on “Crystal Growth Aspects and its Characterization” organized by Post Graduate and Research Department of Physics jointly with Internal Quality Assurance Cell (IQAC) of The M.D.T. Hindu College, Pettai, Tirunelveli on 06.09.2021.
- Participated in the Webinar on “Nanotechnology: An Advanced Science and Technology for Recent Development in Various Applications” organized by the PG and Research Department of Physics jointly with Internal Quality Assurance Cell (IQAC) of The M.D.T. Hindu College, Pettai, Tirunelveli on 07.09.2021.
- Participated in the National Level E-Quiz on “Inventions and Discoveries in Science” organized by the PG and Research Department of Physics jointly with Internal Quality assurance cell (IQAC), The M.D.T. Hindu College, Pettai, Tirunelveli on 13th & 14th August 2021.
- Participated in the “Webinar on Nanotechnology for Electrochemical Energy” organized by the PG and Research Department of physics jointly with Internal Assurance Cell (IQAC) of The M.D.T. Hindu College, Pettai, Tirunelveli on 30.09.2022.
- Participated in the Two Day National Seminar on “Recent Trends in Physical Sciences-RTPS 2023” organized by PG and Research Department of Physics, The M.D.T. Hindu College, Tirunelveli on 02.02.2023& 03.02.2023.
- Participated in the “Vision Nano’23: Webinar on Smart Nanosensor Technology for Medical Diagnostics” organized by the Department of Nano Science and Technology, Sri Ramakrishna Engineering College, Vattamalaipalayam, Coimbatore, India on 24.03.2023.
- Participated in the State Level Workshop on “QUANTUM EXPRESSO” organized by the Department of Physics (Shift II), St. Xavier’s college (Autonomous), Palayamkottai, on 29th August 2023.

LIST OF CONFERENCE/SEMINARS PRESENTED

- Presented a paper entitled “Growth, structural, optical, thermal and mechanical studies of a novel nickel sulphate doped sulphamic acid single crystals for optical applications” in the International Conference on “Trends in Modern Physics 2021 (TiMP 2021)”, organized by the Department of Physics, Assam Don Bosco University in collaboration with the Indian Association of Physical Teachers during 26th to 27th February, 2021 at Assam Don Bosco University, Tapesia Gardens, Sonapur, Assam.
- Presented a paper entitled “Imidazole added sulphamic acid single crystals with optimal properties for optoelectric devices” in the 2021 Global Conference on Recent Advances in Sustainable Materials (GC-RASM 2021) held at A.J. Institute of Engineering & Technology, Karnataka during 29-30, July 2021. GC-RASM 2021 has been organized jointly by the Departments of Civil Engineering and Mechanical Engineering (Best paper award).
- Presented a paper entitled in the International E-Conference on “Effects of gamma ray irradiation on structural and optical properties of KBr added SA crystals” Recent Trends in Applied Physics” organized by PG Department of Physics, Sri Sarada College for Women (Autonomous), Tirunelveli on 28.10.2021.
- Presented a paper entitled “Structural, spectral and optical properties of potassium bromide added sulphamic acid crystals” in the International Conference on “Advanced Materials and their Applications 2022 (ICAMA’22) on 29th and 30th September 2022.
- Presented a paper entitled “Structural, spectral and optical studies of L-Cysteine doped sulphamic acid single crystals” in the International Virtual Conference on Materials Research (IVCMR-22) held on 15th -16th September 2022.
- Presented a paper entitled “Online assessment” in the national virtual conference on The Role of IQAC in Quality Sustenance and Quality Enhancement in the context of Revised Assessment and Accreditation Framework (RAAF) in Higher Education Institution (HEI) held on 15th -16th September 2022.
- Presented a paper entitled “Investigation on Structural and Optical Characterization of Gamma Irradiated Sodium Bromide Added Sulphamic Acid Single Crystals” in the Proceedings of State Level Seminar on Materials Science organized by the Department of Physics, Aditanar College of Arts and Science, Tiruchendur on 24.02.2023.

- Presented a paper entitled “The Effect of Gamma Radiation on the Structural and Optical Properties of Sulphamic Acid Crystal Growth with Potassium Bromide” in the CSIR Sponsored National Conference on Applied Physics over Current Scenario -2023 (NCAP-2023) organized by the Department of Physics and Research Centre, Malankara Catholic College, Mariagiri on 11.05.2023 & 12.05.2023.

Declaration:

I hereby declare that the above information is correct and true to the best of my knowledge and belief.

Place: Tirunelveli

Date:

(S. ANCIYA)