

CURRICULUM VITAE

Dr. S. ANTONY SAKTHI
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CAREER OBJECTIVE

Creative, passionate, dedicated, resourceful teacher with proven ability to enhance students' performance.

ACADEMIC QUALIFICATIONS

- ❖ 2021, Refresher Course in Chemistry, Teaching Learning Centre Ramanujan College, University of Delhi, Pandit Madan Mohan, Malaviya National Mission on Teachers and Teaching, New Delhi.
- ❖ 2019, Refresher Course in Chemistry, Academic Staff College, Bharathidasan University Tiruchirappalli 620002
- ❖ 2019, Refresher Course in chemistry, SWAYAM, MHRD, New Delhi.
- ❖ 2012, Refresher Course in Chemistry, Academic Staff College, Bharathidasan University Tiruchirappalli 620002
- ❖ 2010, Orientation Course at Academic Staff College, Bharathidasan University, Tiruchirappalli 620002 2012
- ❖ 2016, Ph.D, Chemistry, Bharathidasan University, Tiruchirappalli.
- ❖ 1998, M.Phil. Chemistry, from St Joseph's College (Autonomous), Trichy-2
- ❖ 1996, M.Sc.Chemistry, from St. Joseph's College (Autonomous), Trichy-2.
- ❖ 1994, B.Sc, Chemistry, from St. Joseph's College (Autonomous), Trichy-2

TEACHING EXPERIENCE

- ❖ 1997- 2007, As Assistant Professor in the Self-Financing Section, St.Joseph's College (Autonomous), Trichy-2.
- ❖ 2000-2002, As Guest Lecturer in Government Arts College, Ariyalur.
- ❖ 2007- Till date, As Assistant Professor, (Aided Section) St. Joseph's College (Autonomous), Trichy-2.
- ❖ 2007, Selected as Assistant Professor (Permanent Post) for Government Arts College, Poolankurichi, Pudukottai.

SKILLS & ABILITIES

- ❖ Writing, Reading, Public speaking skills in Tamil and English
- ❖ Computer skills (Chem. Soft wares, MS Office Excel, PowerPoint)
- ❖ Soft skill Trainer for Both UG & PG Students
- ❖ Psychological counselor for M. Phil Scholars
- ❖ Curriculum Designing skill as a member of Board of Studies

BOOKS AUTHORED

- ❖ ENVIRONMENTAL CHEMISTRY, (2004), St. Joseph's College, Trichy-2.
- ❖ General Chemistry I & II, (2014), St. Joseph's College, Trichy-2.

RESOURCE PERSON

- ❖ Delivered a lecture on "Environmental sustainability" in Ramakrishna College of Engineering, Samayapuram, Trichy. 12 September, 2013.
- ❖ Spoke on "An overview of organic reaction mechanism" in Selvam Arts & Arts and Science College, Nammakal, 14th October, 2015.
- ❖ Delivered a talk on "Microlevel Qualitative Analysis of Inorganic Binary Mixtures" in State level Workshop, Thanthai Hans Roever College, Perambalur, 28th Feb. 2018.
- ❖ Spoke on Phytochemical analysis organic compounds, DST-INSPIRE Internship Science Camp, School of Biological Sciences, St. Joseph's College, Tiruchirappalli, 7th August 2018.
- ❖ Delivered a talk on "Microlevel Qualitative Analysis of Inorganic Binary Mixtures" in State level Workshop, Loyala College, Mettala, 9th Jan. 2019.
- ❖ Spoke on "Adaptive thinking to be an effective Leader" at CARE College, Trichy, 19th January 2019.
- ❖ Delivered a talk on "Rainwater Harvesting Methods" NCC (Navy), Pakwada, St. Joseph's College, Trichy.2, 11th July, 2019.
- ❖ Delivered a special lecture on An overview of organic reaction Mechanism, Chemistry students of JJ College, Pudukottai, 25th February 2020.
- ❖ Delivered a talk on Microlevel Analysis of Chemical Substances, One day State level Workshop, Kandaswamy Kandar College, Nammakkal, 29th February 2020.
- ❖ Delivered a talk on Covid-19 Pandemic, Psychological preparation for students Seethalaksmi Ramaswamy College, Trichy, 10th June, 2020, (Webinar).
- ❖ Delivered a special talk on Fundamentals of organic reaction mechanism, Association Meeting, Govt. Arts and Science College, Perambalur, 15th February, 2023.
- ❖ Delivered a talk on Principles of Organic Reaction Mechanism, Valediction of Chemistry Association, St. Xavier's College, Palayamkottai, 15th March 2023.
- ❖ Delivered a talk on The sustainable use of Natural Resources for Economic Development, Valediction of Economics Association, Govt. Arts College, Musiri, 6th April 2023.
- ❖ Spoke on Food Adulteration and its identification, YSSP-2023, 9th Std students of Govt. school, Trichy & Pudukottai Districts, St. Joseph's College, Trichy-2, 4th January 2024.
- ❖ Delivered a lecture on Organic Spectroscopy of Carbon Compounds, National Seminar, UG Chemistry & Biochemistry, Karur Vellalar College, Karur, 12th September, 2023.
- ❖ Delivered a special talk on Fascination applications of chemistry in 2k World, Inauguration of Chemistry Association, Thanthai Hans Roever College, Perambalur, 14th August 2024.

RESEARCH EXPERIENCE

- ❖ Guided 18 M.Phil Research Projects (including students from Alagappa university and Bharathidasan University)
- ❖ Guided 30 M.Sc Research Projects in St. Joseph's College, Trichy-2.
- ❖ Recorded Cyclic voltammogram for more than 200 organic samples.
- ❖ Organic syntheses using electroanalytical techniques for more than 10 years.

PAPERS PUBLISHED

- ❖ ORIENTAL JOURNAL OF CHEMISTRY, Vol.27, No: 3, P-789-1292, July-Sept (2011), Electro analytical studies ethoxylation of Benzyl alcohol, N. Xavier, S. Antony Sakthi* and M.S.Selvakumar.
- ❖ RETELL, ISSN 0973-404X, P-5-8. Cyclic Voltammetric studies on acetoxylation of Benzyl alcohol, S. Antony Sakthi* and Dr. N. Xavier
- ❖ RETELL, ISSN 0973-404X, P-41-47. Analytical studies on Electrochemical ethoxylation of Acetanilide, S. Antony Sakthi* and Dr. N. Xavier
- ❖ INTERNATIONAL JOURNAL OF CHEMTECH RESEARCH, ISSN: 0974-4290, Vol.4, No.3, pp 1218-1222, Electro Analytical Studies on Ethoxylation of O-NitroPhenol, N. Xavier, S. Antony Sakthi* & M.S.Selvakumar.
- ❖ INTERNATIONAL SCIENCE OF CURRENT SCIENCE AND RESEARCH, ISSN : 2454-5422, Vol.3, No.2, PP 789-795, Chemical analysis of Cardiospermum helicacabum. N. Xavier, S. Antony Sakthi* and M.S.Selvakumar.
- ❖ INTERNATIONAL JOURNAL OF CHEMICAL STUDIES P-ISSN: 2349-8528 E-ISSN: 2321-4902, IJCS 2018; 6(2): 3320-3323 Analytical studies on anodic ethoxylation of salicylic acid Dr. S Antony Sakthi
- ❖ Electroorganic Synthesis and Characterization of 4-Ethoxy Acetanilide using Platinum and Graphite as Anodes. S Antonysakthi, MS Selvakumar, PL Prabha Journal of Scientific Research 14 (2). 2022.
- ❖ Electrosynthesis and characterization of 2-ethoxy benzoic acid at platinum electrode by Potentiostatic method, SA Sakthi, MS Selvakumar, P Ramanathan, Materials Today: Proceedings 69, 1375-1380, 2022.
- ❖ SYNTHESIS AND SPECTRAL CHARACTERIZATION OF HIGH-PERFORMANCE SUPERCAPACITOR ZIF-67@ rGO NANOCOMPOSITE ELECTRODE MATERIALS, SA Sakthi, K Priyadarshini, C Mani, S Prasad Rasayan Journal of Chemistry 16 (3), 2023.
- ❖ Synthesis and Characterization of NiCo₂S₄-MOF-ZIF-67@ rGO for Efficient Electrochemical Energy Storage, SA Sakthi, K Priyadarshini, C Mani, SRR Prasad, A Dominic, Journal of Physics: Conference Series 2801 (1), 012001, 2024.
- ❖ Synthesis and Characterization of 3D MnNi₂O₄@ MnNi₂S₄/NF-MOF-67-rGO nanoflower@ nanosheet for ultra-high capacity electrode material, SA Sakthi, JHR Chandrasekaran, ANG Mary, MS Varma, PL Prabha, Journal of Physics: Conference Series 2801 (1), 012009, 2024.

PAPERS PRESENTED

- ❖ Cyclic voltammetric studies on electrochemical acetoxylation of p-Xylene, National conference on Recent advances in chemistry, Dhanalakshmi Srinivasan college, Perambalur, 9th August, 2013.
- ❖ Synthetic and analytical studies on ethoxylation of salicylic acid, National conference, St. Joseph's College, Trichy-2, 22nd Feb. 2014.
- ❖ Nanocomposite Synthesis and Characterization of NiCo₂S₄-MOF-ZIF-67@rGO for Efficient Electrochemical Energy Storage, Indo-South Korea-Thailand 3rd International Conference on Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA 2023), Vinayaka Missions, Salem, 1.10.2023.
- ❖ Synthesis and Electrochemical Characterization of Nanocomposite material (3D MnNi₂S₄-MOF-67@rGO) for high performance electrodes for Supercapacitors, International conference on sustainable solutions and recycling (ICSSR-2024), Thanthai Hans Roever College (Autonomous), Perambalur, 27th & 28th August 2024.

MAJOR / MINOR PROJECTS RECEIVED

- ❖ 2006-2008, UGC, Minor Project, Co-Investigator, (Dr. N. Xavier, Principal Investigator), Amount Rs.96, 000/-, Title: Electrochemical acetoxylation of mono and di-substituted aromatic compounds. Successfully completed.
- ❖ 2012-2014, UGC, Minor Project, Principal Investigator, Amount Rs. 1,56,000/-, Title: Electroanalytical and Synthetic studies on Heterocyclic aromatic compounds. Successfully completed.

EXTERNAL CONSULTANCY

- ❖ UG & PG Examination Board Member for Theivanai Ammal college for women, (Autonomous), Vilupuram.
- ❖ UG & PG Examination Board Member for Holy Cross College, (Autonomous), Tiruchirappalli-2.
- ❖ UG & PG Examination Board Member for Bharathiyar University, Coimbatore.
- ❖ UG & PG Examination Board Member for Bharathidasan University, Trichy.

AWARDS RECEIVED

- ❖ Republic Day Achievers award, 2017, at Loyola college, Chennai, on 18th January, 2018, by International Intelligence Research.
- ❖ 'Best Researcher 2018' Malaysian Award, at Femina Hotel, 19th June 2018, By IJURULA, International Journal.

DECLARATION

I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief.

Thanking you,

Date: 20.09.2024

Place: Trichy-2.

yours sincerely

S. Antony Sakthi