

NAME	SR DR ROOPA RODRIGUES A.C. (ROOPA MARGARET RODRIGUES)
DESIGNATION	ASSISTANT PROFESSOR
QUALIFICATION	M.Sc. PhD
EMAIL	srroopa@stagnescollege.edu.in
WORK EXPERIENCE (IN YEARS)	12
EDUCATIONAL DETAILS	<p>B.Sc. from St Agnes College (Autonomous), Mangalore</p> <p>M.Sc. from CHRIST (Deemed to be University), Bangalore</p> <p>Ph.D. from CHRIST (Deemed to be University), Bangalore</p>
SUBJECTS TAUGHT AT UG/PG	Organic, Inorganic, Physical, &Analytical Chemistry

PARTICIPATION IN CONFERENCES/ SEMINARS/ WORKSHOPS

DATE	NATIONAL/ INTERNATIONAL LEVEL	TITLE	DETAILS OF ORGANISERS	PLACE	TITLE OF PAPER PRESENTED
12-13 February 2026	National	Strategic Resource Development Workshop	United Board for Christian Higher Education in Asia in collaboration with Women's Christian College	Chennai	
24-25 October 2024	International	Advances in Applied and Chemical Science 2024 (AACS 2024)	St Paul's College, Kalamassery	Kerala	Indole-3-Carbinol Upconversion with Copper Oxide Nanoparticles Supported Graphitic Carbon Nitride: A Sustainable Approach
26-27 March 2024	National	Sustainable Chemistry and Climate Change	Department of Chemistry, CHRIST (Deemed to be University)	Bangalore	Enhanced electrocatalytic oxidation of indole-carbinol using Cu ₂ O nanoparticles on pAT/GCN/TCFP electrode
12-13 October 2023	National	Materials for a Sustainable Future	St Paul's College, Kalamassery	Kerala	ZnO nanorods on POPD/GCN/TCFP with ternary synergy for promoting furfuryl alcohol oxidation
27- 29 March 2023	International	Nanoscience and Nanotechnology (ICONN-2023)	Department of Physics and Nanotechnology, SRM IST, India in association with Shizuoka University, Japan; National Yang Ming Chiao Tung University, Taiwan	Tamilnadu	Pi-MnO ₂ decorated polythiophene-3-acetic acid - carbon fiber paper for the synthesis of 2-formyl- thiophene

8-10 December 2022	National	Liquid Crystals (NCLC-2022)	Department of Chemistry & Centre for Advanced Research and Development CHRIST (Deemed to be University)	Bangalore	Fabrication of a novel Pi-MnO ₂ decorated polythiophene-3-acetic acid - carbon fiber electrocatalyst for the synthesis of 2-formylthiophene
24 - 25 November 2022	International	Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA2022),	Vinayaka Missions Kirupananda Variyar Arts and Science College India	Salem	-Acetamido TEMPO mediated electrochemical synthesis of piperonal using co-electrodeposited MnO ₂ -Pi-rGO modified electrode
3- 4 August 2022	National	New Vistas in Chemistry 2022	Bangalore University	Bangalore	Co-electrodeposited Pi-MnO ₂ -rGO as an efficient electrode for the selective oxidation of piperonyl alcohol

CHIEF GUEST/ RESOURCE PERSON/ MODERATOR/ CHAIRPERSON/ CO-ORDINATOR/ ANY OTHER

DATE	POSITION HELD	TITLE OF THE PROGRAM ORGANISED	PLACE

**ADMINISTRATIVE
RESPONSIBILITIES**

Vice Principal

Finance Officer

Secretary- Academic Council

Member- Governing Body

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LIST OF PUBLICATIONS

1. **Roopa Margaret Rodrigues**, Ditto Abraham Thadathil, G. Shanker, Uraiwan Sirimahachai, Anitha Varghese, and Gurumurthy Hegde. "Co-electrodeposited Pi-MnO₂-rGO as an efficient electrode for the selective oxidation of piperonyl alcohol." *Journal of the Electrochemical Society* 170, no. 3 (2023): 036501. <http://dx.doi.org/10.1149/1945-7111/acbdc2>.
2. **Roopa Margaret Rodrigues**, Ditto Abraham Thadathil, and Anitha Varghese. "Pi-MnO₂ decorated poly-3-thienylacetic acid on carbon fiber paper for electrochemical synthesis of 2-formyl-thiophene." *Molecular Catalysis* 545 (2023):113242. <https://doi.org/10.1016/j.mcat.2023.113242>.
3. **Roopa Margaret Rodrigues**, and Anitha Varghese. "ZnO Nanorods on POPD/GCN/TCFP with Ternary Synergy for Promoting Electro-Oxidation of Furfuryl Alcohol." *Electrochimica Acta* (2024): 144620. <https://doi.org/10.1016/j.electacta.2024.144620>.
4. **Roopa Margaret Rodrigues**, and Anitha Varghese. "Indole-3-Carbinol Upconversion with Copper Oxide Nanoparticles Supported Graphitic Carbon Nitride: A Sustainable Approach." *Journal of the Electrochemical Society* 171.9 (2024): 096509. <http://dx.doi.org/10.1149/1945-7111/ad7766>.
5. **Roopa Margaret Rodrigues**, Ditto Abraham Thadathil, Keerthana Ponmudi, Ashlay George, and Anitha Varghese. "Recent advances in electrochemical synthesis of nitriles: a sustainable approach." *Chemistry Select* 7, no. 12 (2022): e202200081. <https://doi.org/10.1002/slct.202200081>.
6. T. D. Demina, **Roopa Margaret Rodrigues**, Louis George and Anitha Varghese. "Cinnamon – A Competent Drug: A Review on Extraction, Analysis and Anticancer Action" *Chemistry Select* 9, no. 41 (2024): e202401636. <https://doi.org/10.1002/slct.202401636>.
7. Mansi Gandhi, Sariga, **Roopa Margaret Rodrigues** and Anitha Varghese "Electrochemical Transformation of Thiol-Iodine-Based Reactions toward Multiplexed Sensing Applications for Plant-Stress Hormone and Environmental Contaminant" *Langmuir* 41, no. 38 (2025): 26180–26192 <https://doi.org/10.1021/acs.langmuir.5c02654>.

Book Chapter

1. AnaghaR. Bidarahalli, Y. Anjali, Rijo Rajeev, **Roopa Margaret Rodrigues**, [Anitha Varghese](#) "Forensic applications of graphene oxide" [Comprehensive Analytical Chemistry, Volume 106](#), 2024, Pages 461-501, <https://doi.org/10.1016/bs.coac.2023.09.004>.