

**FACULTY PROFILE**

Name	<b>SUMITHA TOM</b>
Designation	<b>ASSISTANT PROFESSOR</b>
Department	<b>CHEMISTRY</b>

**PERSONAL VISION AND MISSION**

To provide a unique learning experience which will enable the students to realize their potential and mould their overall Personality.

**PERSONAL DETAILS**

Date of entry into permanent service	04/06/2018
Total teaching experience as on 01 December 2025	7 YEARS & 5 Months ( Assistant Professor) and 5 YEARS ( HSST CHEMISTRY )
Age and Date of Birth	38, 23/02/1987
Residential Address	Pazhampallil(H), Palankara P.O, Nilambur R S, Malappuram Pincode: 679330
Address for Correspondence	Pazhampallil(H), Palankara P.O, Nilambur R S, Malappuram Pincode: 679330
Mobile / Whatsapp Number	9446286797
E-mail (Personal and Official)	<a href="mailto:sumivipin2011@gmail.com">sumivipin2011@gmail.com</a> <a href="mailto:sumithatom@catholiccollege.ac.in">sumithatom@catholiccollege.ac.in</a>

**ACADEMIC QUALIFICATIONS**

<b>Degree</b>	<b>Subject</b>	<b>Institution and University</b>	<b>Grade/ Rank etc.</b>
UG	BSc Chemistry	PRNSS COLLEGE, MATTANNUR, KANNUR UNIVERSITY	86.80% Distinction
PG	MSc Analytical Chemistry	K.E COLLEGE ,MANNANAM, MG UNIVERSITY	86.04% FIRST RANK
B.Ed	Physical Science	ST. JOSEPH'S TRAINING COLLEGE, MANNANAM, MG UNIVERSITY	3.85/4.00 A <sup>+</sup>
Diploma	Computer Application	PRNSS COLLEGE, MATTANNUR, KANNUR UNIVERSITY	A <sup>+</sup>


**COLLEGE LEVEL DUTIES / MAJOR CHARGES**

Duty	Position	Duration
Class Teacher(D2 Chemistry)	Class Teacher	2018- 2019 2019-2020 2020-2021 2021-2022 2022-2023
College Reprographic Centre Committee	Member	2018-2019 2019-2020 2020-2021
Hostel committee	Member	2020-2021
Walk with a Scholar	Mentor (Chemistry)	2020-2021
University Orthodox Teachers Christian Association and Campus Ministry	Member	2021-2022 2022-2023 2023-2024 2024-2025
NET Coaching Committee	Member	2021-2022 2022-2023 2023-2024 2024-2025 2025-2026
Consultancy Committee	Member	2021-2022
Women's cell	Member	2021-2022 2022-2023
College Council	Member	2022-2023 2023-2024 2024-2025
Media Club	Member	2021-2022 2022-2023
PTA Executive committee	Member	2022-2023
Cath Brigade- Social Battalion and Task force of Catholicate (Disaster Management Cell)	Coordinator/ Convenor	2021-2022 2022-2023 2023-2024 2024-2025 2025-2026



SQAC	Faculty Coordinator	2024-2025
Chemistry Association	Faculty in-charge	2024-2025 2025-2026
Staff Editor of Department Magazine- Meson	Staff Editor	2022-2023 2023-2024 2024-2025
Bhoomitrasena Club	Member	2024-2025 2025-2026
Green campus Initiatives/ Clean campus -safe campus	Member	2024-2025 2025-2026
Admission Committee	Member	2024-2025
Centre for Skill development Courses and Career Planning	Coordinator	2025-2026
MGU-UGP College level Committee	Teacher representative	2024-2025 2025-2026

#### POSITIONS HELD/ AWARDS/ RECOGNITIONS/ MAJOR ACHIEVEMENTS

Name	Details
First Rank	2009- First Rank in MSc Analytical Chemistry, MG University
SET	2013-Qualified State Eligibility Test (SET)
CSIR/UGC JRF& NET	2015-CSIR/UGC JRF& NET ( All India Rank-44)
NPTEL SWAYAM COURSE MENTOR	NPTEL Certificate Course in Bioinorganic Chemistry Mentor.



RESEARCH EXPERIENCE	
Junior Research Fellow	2017-2018- Junior Research Fellow at Dept. of Chemistry, Calicut University
Part Time Research Fellow	2018-till the date –Part Time Research Fellow at SB College Changanassery
Area of Research	Analytical Chemistry Inorganic Chemistry Nano Science
No. of proceedings/ papers presented in Conferences, Seminars, Workshops and Symposia	12



## PUBLICATIONS AND PRESENTATIONS

Proceedings of international/  
National symposiums

- Proceedings of the National Seminar on New Frontiers in Theoretical Chemistry (NFTC-2018) ISBN:978-93-5311-469-5, entitled Eco-friendly economic synthesis of blue fluorescent Carbon Dots derived from Luffa Cylindrica fiber (Peechinga) and its characterization, organized by Dept. of Chemistry, Catholicate College, Pathanamthitta on 19<sup>th</sup>-20<sup>th</sup> January 2018.
- Published a Research Article in the Peer Reviewed journal "Reflection," ISSN: 2584-2528, Economic way of synthesis of green fluorescent carbon nano particles from lemon juice as a new carbon source.
- Proceedings of the paper in the International Conference on Chemical Science for Sustainable Future, entitled 'Effect of Solvent in the Fluorescence Intensity of Blue Fluorescent Carbon Dots (CDs) Derived From Luffa Cylindrica Fiber (Peechinga) as Natural Precursor', organized by Department of Chemistry and Centre for Research St. Teresa's College (Autonomous), Ernakulam on 23<sup>rd</sup> February 2024.
- Proceedings of the paper in the International Conference on ISBN 9788172 551797, Advanced Nanomaterials for Sustainability, entitled 'Microwave Assisted Green Approach To The Synthesis of Blue Fluorescent Carbon Dots (CDs) Functionalized With Urea Derived From Clitoria Ternatea Flower (Shankupushpam)', organized by Amal Jyothi Centre for Nano science and Technology Department of Chemical Engineering.
- Proceedings of The KSCSTE Co-Sponsored Two Day National Conference on Energy Materials And Environment - EME 2024, ISBN: 978-93-340-8093-3 entitled Microwave assisted green synthesis of carbon quantum dots (cqds) from clitoria ternatea flower (shangupushpam) and its characterization (Full Paper) Postgraduate and Research Department of Chemistry, Catholicate College, Pathanamthitta



Paper Presentations (International/ National )	<ul style="list-style-type: none"><li>● Presented a poster in the National Seminar on Frontiers in Chemical Science-2018(FCS-2018) sponsored by KSCSTE held at University of Calicut from 26<sup>th</sup> - 28<sup>th</sup> February 2018.</li><li>● Presented a paper in one day National Conference on Advances in Green Chemistry and its Applications –AGCA 2K20 organized by the Dept. of Chemistry Sri Ramakrishna College of Arts and Science Coimbatore, Tamil Nadu on 30<sup>th</sup> January 2020.</li><li>● Presented a paper in one day National Conference on Emerging Trends in Material Science (NCETMS-2022) Organized by Dept. of Physics ,St. Dominic College, Kanjirapally on 6<sup>th</sup> -7<sup>th</sup> June 2022.</li><li>● Presented a paper in the International conference on Emerging Trends in Advanced Functional materials( ETAFM 2022), organized by P G Dept. of Chemistry, Catholicate College , Pathanamthitta in Collaboration with Dept. of Chemistry, St.Albert’s College, Ernakulam and Akay Natural Ingredients Pvt.Ltd., on 11<sup>th</sup> &amp; 12<sup>th</sup> August 2022.</li><li>● Presented a paper in the one day International Conference on Cyber Security , Organized by Dept. of Computer Application, Catholicate College, Pathanamthitta in collaboration with MG University, Kottayam, on 8<sup>th</sup> November 2022.</li><li>● Presented a paper in the International Conference on Advanced Nanomaterials for Sustainability organized by Amal Jyothi Centre for Nano science and Technology Department of Chemical Engineering, on 17,18,19 October 2024.</li><li>● Presented a paper in the International Conference on International Seminar on Chemical Science for Sustainable Future organized by Department of Chemistry and Centre for Research St. Teresa’s College (Autonomous), Ernakulam on 23<sup>rd</sup> February 2024.</li></ul>
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### WORKSHOPS /SEMINARS/ CONFERENCES ORGANISED

Position	Details
Co-ordinator	<ul style="list-style-type: none"> <li>● NDRF FAMILIARIZATION EXERCISE, Organized by PG Dept. of Chemistry catholicate College in Association with NDRF 4<sup>TH</sup> Bn. Arakkonam, District Disaster Management Authority, NCC and NSS Catholicate College, Pathanamthitta.</li> <li>● SKILL DEVELOPMENT TRAINING PROGRAMME- Hands of Training on Manufacturing and Marketing of Various ecofriendly cosmetics for Volunteers of NSS UnitNo.184 St. John's HSS Mattom and various Kudumbasree units of Mavelikkara, on 25/01/2023 at St. John's HSS Mattom, Mavelikkara.</li> <li>● UNNAT BHARAT ABHIYAN WORKSHOP ON ECO-FRIENDLY COSMETICS for various Kudumbasree units of Vallikodu Panchayath on 10<sup>th</sup> March 2023 Vallikodu Panchayath Hall.</li> <li>● One day Workshop on Techniques in Chemistry, CHEMSPARK-2022. Organized by PG Dept. of Chemistry Catholicate College, Pathanamthitta and All Kerala Chemistry Teachers Association (CHEMTAK), Pathanamthitta district committee.</li> <li>● Inauguration of Chemistry Lecture series and Daltons Conclave Association Activities on 14/07/2023</li> <li>● One day workshop on Innovative Techniques in Chemistry for HSS Students (CHEMSPARK 2023) on 25/11/2023</li> <li>● International Womens day celebration on the topic Women Scientist who broke the glass ceiling on 06/03/2024</li> <li>● World Environment Day 2024 Celebrations on 10<sup>th</sup> June 2024</li> <li>● Inauguration of Chemistry Association-Dalton's Conclave KHEMEIA-24 Molecular Melodies on 30/08/2024</li> <li>● ChemSpark 2024- Extension Programme for Higher Secondary School Students on 16/11/2024</li> <li>● KSICL sponsored Children's Painting Competition on the topic waste management on 29/11/2024</li> <li>● KSICL sponsored Two Day Workshop On "Awareness &amp; Action on Climate Change: An Intertwined Pathways of Science &amp; Literature" on 05/12/2024 &amp; 06/12/2024.</li> <li>● Exhibition &amp; Sale of children's literature books published by the KSICL on 05/12/2024 &amp; 06/12/2024.</li> <li>● Industrial Visit to Milma Dairy, Pathanamthitta with Students on 24/01/2025.</li> </ul>

### WORKSHOPS /FDP/ORIENTATION/REFRESHERCOURSES ATTENDED



Name	Details
One day workshop for Science teachers on "Science Exhibition in Schools"	<ul style="list-style-type: none"> <li>One day workshop for Science teachers on " Science Exhibition in Schools" held at Delhi International School Valancheri, Malappuram on 4<sup>th</sup> November 2014.</li> </ul>
One day Workshop for Chemistry Teachers- Royal Society of Chemistry, Yusuf Hamied Inspirational Chemistry Programme	<ul style="list-style-type: none"> <li>One day Workshop for Chemistry Teachers- Royal Society of Chemistry, Yusuf Hamied Inspirational Chemistry Programme organized by Fatimagiri English School, Nilambur, on 15<sup>th</sup> November 2014.</li> </ul>
One day Workshop on NAAC Assessment and Accreditation	<ul style="list-style-type: none"> <li>One day Workshop on NAAC Assessment and Accreditation organized by All India Association for Christian College Higher Education (AIACHE), New Delhi and Catholicate College Pathanamthitta on 11<sup>th</sup> January 2020.</li> </ul>
Two week MOOC Course on Online learning and Content Development	<ul style="list-style-type: none"> <li>Two week MOOC Course on Online learning and Content Development from 18<sup>th</sup> April -2<sup>nd</sup> May 2020, organized by Flair Kerala, Directorate of Collegiate Education, Kerala</li> </ul>
FDP on ICT Tools in Teaching Chemistry	<ul style="list-style-type: none"> <li>FDP on ICT Tools in Teaching Chemistry conducted from 2<sup>nd</sup> -6<sup>th</sup> September 2020, organized by Dept. of Chemistry ,St. Theresa's College ,Ernakulam.</li> </ul>
FDP on 'R'	<ul style="list-style-type: none"> <li>FDP on 'R' ,from 7<sup>th</sup> -14<sup>th</sup> September 2020, organized by Marthoma College Thiruvalla with Spoken Tutorial Project IIT Bombay.</li> </ul>
SWAYAM ARPIT ONLINE REFRESHER COURSE in Chemistry for Higher Education	<ul style="list-style-type: none"> <li>SWAYAM ARPIT ONLINE REFRESHER COURSE in Chemistry for Higher Education from 1<sup>st</sup> December 2020-31<sup>st</sup> March 2021.</li> </ul>
Four week Induction/Orientation Programme for Faculty in Universities/ Colleges/ Institutes of Higher Education	<ul style="list-style-type: none"> <li>.Four week Induction/Orientation Programme for Faculty in Universities/ Colleges/ Institutes of Higher Education, from 21<sup>st</sup> August -19<sup>th</sup> September 2021 organized by Teaching learning centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malavya National Mission on Teachers and Teaching.</li> </ul>
Online Training on Virtual Labs for Experiential Learning	<ul style="list-style-type: none"> <li>Online Training on Virtual Labs for Experiential Learning was organized by the department on 30<sup>th</sup> October, 2021 on Zoom Online Platform in association with the National Institute of Technology (NITK), Karnataka.</li> </ul>



Workshop on Microscale Experiments in Inorganic and Organic Chemistry	<ul style="list-style-type: none"> <li>Workshop on Microscale Experiments in Inorganic and Organic Chemistry for college and Higher Secondary School Teachers was organized by the department on 6<sup>th</sup> November, 2021 in collaboration with S. T. Hindu College, Nagercoil</li> </ul>
One week online Hands on training on Learning Management system (Moodle)	<ul style="list-style-type: none"> <li>One week online Hands on training on Learning Management system (Moodle) from 11<sup>th</sup> to 17<sup>th</sup> May 2022 organized by Faculty Development centre of the Kerala State Higher Education council</li> </ul>
Two day workshop on Outcome based Education	<ul style="list-style-type: none"> <li>Two day workshop on Outcome based Education Training from 20<sup>th</sup> to 21<sup>st</sup> May 2022, conducted at Catholicate College Pathanamthitta in association with Kerala state Higher Education council (KSHEC) and MG University.</li> </ul>
Two day Workshop on NGGFn Campus Green: Green Audit Training	<ul style="list-style-type: none"> <li>Two day Workshop on NGGFn Campus Green: Green Audit Training from 17<sup>th</sup> November 2022 &amp; 2<sup>nd</sup> December 2022, conducted at Catholicate College, Pathanamthitta.</li> </ul>
One day Workshop on Techniques in Chemistry	<ul style="list-style-type: none"> <li>One day Workshop on Techniques in Chemistry, CHEMSPARK-2022. Organized by PG Dept. of Chemistry Catholicate College, Pathanamthitta and All Kerala Chemistry Teachers Association (CHEMTAK), Pathanamthitta district committee.</li> </ul>
Workshop on Time Table Creation Software - FET	<ul style="list-style-type: none"> <li>Faculty Development Program: Workshop on Time Table Creation Software – FET organized by IQAC and IT Club of NSS Training College, Ottapalam on 12<sup>th</sup> June 2024.</li> </ul>
NEP 2020 orientation & sensitization programme	<ul style="list-style-type: none"> <li>NEP 2020 orientation &amp; sensitization programme organized by Centre for Professional Development in Higher Education (CPDHE) UGC -(MMTTC) University of Delhi on 06/01/2025- 15/01/2025.</li> </ul>

**ANY OTHER RELEVANT INFORMATION****Invited talks/ Resource Person**

- Participated as Resource person in Sasthrapadham, a science enrichment residential camp organized by Samagra Shiksha Kerala in collaboration with Directorate of Collegiate Education and Dept. of Higher secondary Education Kerala held on 26<sup>th</sup> to 27<sup>th</sup> January 2019 at Catholicate College Pathanamthitta.
- Participated as Resource person and delivered a lecture in the National Science day Webinar held on 28<sup>th</sup> February 2022 at Dept. of D.El.Ed, St. Joseph TTI Mananthavady, Wayanad.
- Participated as Resource person and delivered a lecture in an Exhibition on Science, Arts, Handicrafts and Technology- SAGA2024 organised by Jerusalem Mount HSS, Vakathanam on 5th January 2024.
- Participated as Resource person DEEKSHARAMBH 2024, the 5 Day Student Induction Program (SIP) for UG(Hons.) organized by Catholicate College, Pathanamthitta on 10th July 2024.
- Participated as Resource person and delivered a lecture in the 3 day Science Camp at PM SHRI SCHOOL JAWAHAR NAVODAYA VIDYALAY, VECHOOCHIRA on 26<sup>th</sup> October 2024.

**Community outreach and extension activities**

- Co-operated with all the programmes and activities connected with flood conducted at Aranmula, Elanthoor and Punnacode during the year 2018 August.
- Participated in the Flood Relief Activities at Nilambur in Malappuram district, which was devastated by the floods in August 2019
- Sanitizer preparation: The Department prepared hand sanitizer (using the WHO guidelines) in the wake of covid-19 outbreak. The sanitizer was distributed among the college community and also among the Police officers of Pathanamthitta. Further, the guidance for the preparation of disinfectant was also given to the Police department, Pathanamthitta. It was very helpful for them to disinfect the Pathanamthitta locality.
- NDRF FAMILIARIZATION EXERCISE, Organized by PG Dept. of Chemistry catholicate College in Association with NDRF 4TH Bn. Arakkonam, District Disaster Management Authority, NCC and NSS Catholicate College, Pathanamthitta.
- SKILL DEVELOPMENT TRAINING PROGRAMME- Hands of Training on Manufacturing and Marketing of Various ecofriendly cosmetics for Volunteers of NSS UnitNo.184 St. John's HSS Mattom and various Kudumbasree units of Mavelikkara, on 25/01/2023 at St. John's HSS Mattom, Mavelikkara.
- UNNAT BHARAT ABHIYAN WORKSHOP ON ECO-FRIENDLY COSMETICS for various Kudumbasree units of Vallikodu Panchayath on 10th March 2023 Vallikodu Panchayath Hall.
- Skill Expertise Workshop on Nature derived cosmetics and sanitary formulations for inmates of Prakasadhara School for Differently abled.
- Donation of KSICL published Books to Gov. HSS Kokkathathodu on 05/12/2024.



Name and Signature of Teacher with date