



FACULTY PROFILE

Name	BINOJ K K
Designation	ASSISTANT PROFESSOR
Department	CHEMISTRY

PERSONAL VISION AND MISSION

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PERSONAL DETAILS

Date of entry into permanent service	07/03/2014
Total teaching experience as on 01 December 2025	12
Age and Date of Birth	44, 07/04/1981
Residential Address	Moosarivila Veedu, Naduthery, Thalavoor(PO) KOLLAM-691508
Address for Correspondence	Moosarivila Veedu, Naduthery, Thalavoor(PO) KOLLAM-691508
Mobile / Whatsapp Number	9947494312
E-mail (Personal and Official)	Kbinuk82@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Subject	Institution and University	Grade/Rank etc.
UG	CHEMISTRY	S.G. College, KOTARAKKARA, KERALA UNIVERSITY	FIRST CLASS
PG	CHEMISTRY	S.G. College, KOTARAKKARA, KERALA UNIVERSITY	FIRST CLASS
B.Ed.	PHYSICAL SCIENCE	Teachers Training College, Kulakkada KERALA UNIVERSITY	FIRST CLASS
Ph D	CHEMISTRY	Department of Chemistry, Kariavattom Campus	FIRST CLASS



		KERALA UNIVERSITY	
Additional Qualifications			

COLLEGE LEVEL DUTIES / MAJOR CHARGES

Duty	Position	Duration
FYUGP	Additional Chief Superintendent	2025-
Scholar support programme (S.S.P.)	Coordinator	2017-2020
IGNOU	Assistant- Coordinator	2025-

POSITIONS HELD/ AWARDS/ RECOGNITIONS/ MAJOR ACHIEVEMENTS

Name	Details
Board of Studies Member	Member of UG Board of Studies, M G University, Kottayam (2017-2022)
Question Paper Setter	University of Calicut, C.M.S College, KOTTAYAM
Reviewer	Material Research Express(MRX) , Oriental journal of Chemistry

RESEARCH AND CONSULTANCY

Year of Award of Ph.D.	2013
No. of Publications	12
No. of Patents awarded	Nil
No. of papers presented in Conferences, Seminars, Workshops and Symposia	10
Year of Award of Research Guideship	2024
No. of Ph.Ds produced	Nil
No. of Ph.D. students currently registered	Nil



No. of Major Research Projects awarded/completed	
No. of Minor Research Projects awarded/completed	1
Total amount of research grant awarded	2,90,000/-
Area of Consultancy	
Income generated by consultancy during the last five years	

RESEARCH PROJECTS

Name	Details	Amount
UGC Minor Project DST Major Project	UGC-minor research project, 'Exploration of catalytic effect of nanosized MnO ₂ for the effective activation of Al-rich Zn-In alloy sacrificial anodes in aggressive marine environments' Ref: MRP1862/14-15/KLMG016/UGC-SWRO dated 04/02/2015	2,90,000/-

PUBLICATIONS AND PRESENTATIONS

International/National Publications	<p>S. M. A. Shibli, K. K. Binoj, 'Development of MnO₂ incorporated high performance aluminium alloy matrix sacrificial anodes', Journal of applied electrochemistry, 39 (2009) 159-166.</p> <p>K. K. Binoj, 'Electrochemical activation of nickel oxide incorporated aluminum-zinc alloy matrix as an efficient sacrificial anode in marine environments'; Asian journal of chemistry, 34(4) 2022 841-848.</p> <p>K. K. Binoj, P.Y. Jinu, 'Facile fabrication of Manganese dioxide composite incorporated Aluminium rich alloy metal matrix as efficient sacrificial anodes'; Asian journal of chemistry, 34 (9) (2022) 2257-2264.</p> <p>K. K. Binoj, Francis Chacko, 'Effect of intermetallics on activation of MnO₂-NiO incorporated aluminium sacrificial anode'; Materials Today Proceedings, 65 (8) (2022) 3400-3408.</p> <p>Sunil Jacob, Nissy Ann Harry, K. K. Binoj, Preethy Soosan Thomas, Janey Mary Mathew, Synthesis of Biologically Active Peptides Using Newly Designed N-Vinyl Pyrrolidone Incorporated Flexible Crosslinked Polystyrene, Oriental journal of</p>
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	<p>Chemistry, 38, (5) 2022</p> <p>Venkatesan Shiva Shankar, Neelam Purthi, Satyakeerthy TR, Sunil Jacob, Binoj KK, “Pathway of Poultry Waste and its Environmental Repercussions in SouthAndaman, India: A Discussion”, Indian Journal of Natural Sciences, 14(77) 2023.</p> <p>SUNIL J, SHIVA SHANKAR V, SATYAKEERTHY TR, BINOJ KK, NISSY AH, JANEY MM, “PROXIMATE COMPOSITION ANALYSIS OF SOME COMMONLY AVAILABLE FISHES OF KERALA” International Journal of Biology, Pharmacy and Allied Science, 2023 12(11).</p> <p>SUNIL JACOB¹, K.K. BINOJ, , DONA BENNY, P.Y. JINU, Enhancement of Interfacial Wettability between Al-Zn Alloy Matrix and MnO₂ Decorated with Ni for Effective Cathodic Protection Systems, Asian Journal of Chemistry; 35 2023.</p> <p>Sunil Jacob, Nissy Ann Harry, Kunju Kunju Binoj, Tharamma George Tharayil, Thonduparambil Ravindran Satyakeerthy and Sosamma John, Chemical Synthesis of Modularly Modified Analogs of E2/NS1 Peptides on a Novel Chemically and Mechanically Stable Terpolymer of 1,6-Hexanediol Diacrylate, N-Vinylpyrrolidone on Styrene Support, TRENDS IN SCIENCES 20(10): 6840, 202</p>
Chapters in Books	<p>Text book of Chemistry Praticals , ISBN: 978-81-7648-629-3</p> <p>Dr. Binoj K K, Dr. Tharamma George T, Dr. Sunil Jacob, Essentials of Biochemistry, ISBN 978-93-91979-37-9.</p>
Proceedings of international/ National symposiums	<p>K. K. Binoj, Francis Chacko, ‘Effect of intermetallics on activation of MnO₂-NiO incorporated aluminium sacrificial anode’; Materials Today Proceedings, 65 (8) (2022) 3400-3408.</p> <p>K. K. Binoj, ‘ Exploration of catalytic effect of nanosized MnO₂ for the effective activation of Al-Zn-In alloy sacrificial anodes in marine environmens’ MATCOM2018, KSCSTE, ISBN 978-93-5300-368-5.</p>
PaperPresentations (International/National)	<p>(1) S. M. A. Shibli, K. K. Binoj, S. Sajith, K. Anilkumar, ‘Development of nano NiO incorporated Al alloy as an efficient sacrificial anodes’. National conference on corrosion assessment and its control, NCCI, CECRI at Madurai 21.12.2009.</p> <p>(2) S. M. A. Shibli, K. K. Binoj, M. Ajeesh, ‘V₂O₅ as an effective activator for Al-Zn alloy sacrificial anodes’, 10th CRSI, National symposium in chemistry at IISC Bangalore on 03.03.2008.</p> <p>(3) S. M. A. Shibli, K. K. Binoj, Dhanya S, ‘Development of of MnO₂ incorporated Al alloy sacrificial anode for marine applications’, 14th National conference of</p>



Eleetrochemists (NCE-14) held at Indira gandhi centre for atomic research, Kalpakkam, Dec 6-7 2007.

(4) S. M. A. Shibli, Francis Chacko, K. K. Binoj, N. D. Suma, 'Development of nano RuO₂ composite based Ni coating for electrochemical applications', Third ISEAC Technical International conference on electroanalytical chemistry and allied topics (ELAC) at Shimla, on 15.03.2007.

(5) S. M. A. Shibli, Anupama V Raj, K. K. Binoj, R. Remya, S. R. Archana, 'Development of nickel coated zirconia incorporated hot dip zinc coating' CORCON-2011. Mumbai, Sept. 29-Oct 1.

(6) S. M. A. Shibli, K. S. Chinchu, S. R. Archana, K. K. Binoj, S. Sajith, 'Wettability of interfacial behavior of ceria based composites on Al-Zn alloy sacrificial anode' CORCON-2012, Goa on 26-29 September.

(7) K. K. Binoj, ' Exploration of catalytic effect of nanosized MnO₂ for the effective activation of Al-Zn-In alloy sacrificial anodes in marine environments' MATCOM 2018, KSCSTE, ISBN 978-93-5300-368-5.

(8) Jinu P. Yohannan, **Binoj K. K.** and Thomas Abraham "Solid state alkali-metal thiosulfate flux mediated synthesis and crystal growth of cubic-CsGaSnS₄: A structural comparison of AMIII MIV S₄ sulfide semiconductors, (A = Li, Na, K, Rb, Cs, Tl; MIII = Ga, In MIV= Sn, Ge).International Conference on Advances in Materials Science ICAMS 2025 ISBN: 978-93-341-6159-5



WORKSHOPS /SEMINARS/ CONFERENCES ORGANISED

Position	Details
Co-ordinator	Chemistry Lecture Series "Viral Diseases: Old ones and the new" Organized by Department of Chemistry, Catholicate College, Pathanamthitta on 30th September 2022

WORKSHOPS /FDP/ORIENTATION/REFRESHERCOURSES ATTENDED

Name	Details
One week online Faculty Development Programme	1. UGC-Academic Staff College, University of Kerala, Thiruvananthapuram, (16/01/2019 -12/02/2019) 2.UGC-Academic Staff College, University of Kerala, Thiruvananthapuram, (11/01/2020-24/01/2020).
One week workshop	3.Teaching Learning Centre, Ramanujan College, University Of Delhi, online refresher course,(05/08/2021-19/08/2021) 4. SWAYAM ARPIT online Refresher course in Chemistry on 16/02/2020 5. Teaching Learning Centre, Ramanujan College, University Of Delhi, online refresher course in Chemistry (29/11/2022-13/12/ 2022) 6.Faculty Enrichment Programme on Computational Chemistry, organized by Department of Chemistry Baseliious Colledge and Chemical Research Society of India (CRSI) from 16/12/2020 to 22/12/2020. 7.Hands-on training on Learning Management System (MOODLE) Organised by Kerala state higher education council in association with Digital University of Kerala during 11th to 17th May 2022. 8.National online workshop 'Blended Learning with LMS-MOODLE' organized by GAD-TLC under PMMMNMTT of Ministry of Education Government of India from 11-09-2021 to 12-09-2021. 9. Teaching Learning Centre, Ramanujan College, University Of Delhi, online refresher course in Chemistry (15/12/2022-29/12/ 2023) 10. Centre for Professional Development in Higher Education (CPDHE), UGC - Malaviya Mission Teacher Training Centre (MMTTC), NEP Orientation & Sensitization Programme from 6/1/ 2025 – 15/1/ 2025

MEMBERSHIP IN PROFESSIONAL BODIES

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ANY OTHER RELEVANT INFORMATION

Name and Signature of Teacher with date