

FACULTY PROFILE

Name	Dr. BINOJ K K
Designation	ASSISTANT PROFESSOR
Department	CHEMISTRY



PERSONAL DETAILS

Date of entry into permanent service	07/03/2014
Total teaching experience as on 01 December 2022	8 Years
Age and Date of Birth	41, 07/04/1981
Residential Address	Moosarivila Veedu, Naduthery, Thalavoor(PO) KOLLAM-691508
Address for Correspondence	Assistant Professor Department Of Chemistry Catholicate College, Pathanamthitta
Mobile / Whatsapp Number	+91 9947494312
E-mail (Personal and Official)	Kbinuk82@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Subject	Institution and University	Grade/ Rank etc.
B.Sc.	CHEMISTRY	KERALA UNIVERSITY	FIRST CLASS
M.Sc.	CHEMISTRY	KERALA UNIVERSITY	FIRST CLASS
Ph. D.	CHEMISTRY	KERALA UNIVERSITY	FIRST CLASS
B.Ed.	PHYSICAL SCIENCE	KERALA UNIVERSITY	FIRST CLASS

COLLEGE LEVEL DUTIES / MAJOR CHARGES

Duty	Position	Duration
ADMISSION COMMITTEE	<i>Member</i>	<i>2015- 2017</i>
Co-operative Society	<i>Member</i>	<i>2014-2019</i>
Department Association	<i>Convener, Department of Chemistry</i>	<i>2021– 2022</i>
Scholar support programme (S.S.P.)	Coordinator	2017-2020

POSITIONS HELD/ AWARDS/ RECOGNITIONS/ MAJOR ACHIEVEMENTS

Name	Details
Board of Studies Member	UG Board of Studies, M G University
Question Paper Setter	University of Calicut, C.M.S College, KOTTAYAM
Reviewer	Oriental journal of Chemistry

RESEARCH AND CONSULTANCY

Year of Award of Ph.D.	2013
No. of Publications	6
No. of Patents awarded	Nil
No. of papers presented in Conferences, Seminars, Workshops and Symposia	8
Year of Award of Research Guideship	Nil
No. of Ph.Ds produced	Nil
No. of Ph.D. students currently registered	Nil
No. of Major Research Projects awarded/completed	Nil

No. of Minor Research Projects awarded/completed	1, UGC-minor research project, ' <i>Exploration of catalytic effect of nanosized MnO₂ for the effective activation of Al-rich Zn-In alloy sacrificial anodes in aggressive marine environments</i> ' Ref: MRP-1862/14-15/KLMG016/UGC-SWRO dated 04/02/2015
Total amount of research grant awarded	2,90,000

RESEARCH PROJECTS

Name	Details	Amount
UGC	UGC-minor research project, ' <i>Exploration of catalytic effect of nanosized MnO₂ for the effective activation of Al-rich Zn-In alloy sacrificial anodes in aggressive marine environments</i> ' Ref: MRP-1862/14-15/KLMG016/UGC-SWRO dated 04/02/2015	2,90,000/-
DST	Nil	

PUBLICATIONS AND PRESENTATIONS

International/National Publications	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. 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. 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. 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.
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	Sunil Jacob, Nissy Ann Harry, K. K. Binoj , Preethy Soosan Thomas and Janey Mary Mathew "Synthesis of Biologically Active Peptides Using NewlyDesigned N-Vinyl Pyrrolidone Incorporated Flexible Crosslinked Polystyrene " Oriental Journal of Chemistry 2022, Vol. 38, No.(5):Pg. 1217-1226
Chapters in Books	Text book of Chemistry Praticals , ISBN: 978-81-7648-629-3 Eseetials of Bio-chemistry, ISBN: 978-93-91979-37-9
Proceedings of international/ National symposiums	K. K. Binoj , Francis Chacko, 'Effect of intermetallics on activation of MnO ₂ -NiO incorporated aluminium sacrificial anode'; Materials Today Proceedings, 65 (8) (2022) 3400-3408. K. K. Binoj , ' Exploration of catalytic effect of nanosized MnO ₂ for the effective activation of Al-Zn-In alloy sacrificial anodes in marine environmens' MATCOM2018, KSCSTE, ISBN 978-93-5300-368-5
Paper Presentations (International/ National)	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. S. M. A. Shibli, K. K. Binoj , M. Ajeesh, 'V ₂ O ₅ as an effective activator for Al-Zn alloy sacrificial anodes',10 th CRSI, National symposium in chemistry at IISC Bangalore on 03.03.2008. S. M. A. Shibli, K. K. Binoj , Dhanya S, 'Development of of MnO ₂ incorporated Al alloy sacrificial anode for marine applications', 14 th National conference of Eleetrochemists (NCE-14) held at Indira gandhi centre for atomic research, Kalpakkam, Dec 6-7 2007. S. M. A. Shibli, Francis Chacko, K. K. Binoj , N. D. Suma, 'Development of nano RuO ₂ 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. 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. 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. K. K. Binoj , ' Exploration of catalytic effect of nanosized MnO ₂ for the effective activation of Al-Zn-In alloy sacrificial anodes in marine environmens' MATCOM 2018, KSCSTE, ISBN 978-93-5300-368-5

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 30 th September 2022

WORKSHOPS /FDP/ORIENTATION/REFRESHERCOURSES ATTENDED

Name	Details
Orientation Programme	UGC-Academic Staff College, University of Kerala, Thiruvananthapuram, (16/01/2019 -12/02/2019)
Refresher Corse	1.UGC-Academic Staff College, University of Kerala, Thiruvananthapuram, (11/01/2020-24/01/2020). 2.Teaching Learning Centre, Ramanujan College, Uniersity Of Delhi, online refresher course,(05/08/2021-19/08/2021) 3. SWAYAM ARPIT online Refresher course in Chemistry on 16/02/2020 4. Teaching Learning Centre, Ramanujan College, Uniersity Of Delhi, online refresher course in Chemistry (29/11/2022-13/12/ 2022)
One-week online Faculty Development Programme	1.Faculty Enrichment Programme on Computational Chemistry, organized by Department of Chemistry Baseliious Clollege and Chemical Research Society of India (CRSI) from 16/12/2020 to 22/12/2020.
Workshop	1.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. 2.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.

ANY OTHER RELEVANT INFORMATION**Academic service prior to joining the current post**

Six years of Teaching Experience as H.S.S.T. in Chemistry in Government Higher Secondary Schools under Kerala P.S.C. appointment

Name and Signature of Teacher with date - Dr. Binoj K.K

Handwritten signature of Dr. Binoj K.K. and the date 12/12/22.