




ST.MARY'S COLLEGE MANARCADU, KERALA

Affiliated to MG University, Kottayam | 'B' Grade by NAAC

Faculty Profile

Name : Tony Francis
Designation : Assistant Professor
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Higher Education

2014-15	 Mphil Chemistry , School of Chemical Sciences, MG University
2011-13	 MSc Chemistry , St. Mary's College, Manarcaud
2008-11	 BSc Chemistry , St. Thomas College, Pala

Teaching Experience

2015- Present	Assistant Professor, Department of Chemistry, St.Mary's College, Manarcaud
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Institutional Responsibilities

2021-Present	Placement Officer
2021- Present	President, IIC
2019-Present	SWAYAM, SPOC
2024- Present	NIRF Coordinator
2022-Present	Member- College Admission Committee

Other Responsibilities

2021-2024	Member - Chemistry Under Graduate Boards of Studies (BoS)
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	Mahatma Gandhi University, Kottayam
2024-Present	Member – Expert Committee UG Chemistry Mahatma Gandhi University, Kottayam, Kerala, India from 08 June 2021.
2024	Course Coordinator -Chemistry MDC Semseter-1
2025	Course Coordinator -Chemistry MDC Semseter-II

Social Responsibilities Held

2024	Presiding Officer, Lok Sabha
2024	Observer- NEET 2024
2023	Observer-NEET 2023

Awards and Achievements

2018-19	Best NSS Programme officer , MG Univeristy
01 to 07 March 2019	Contingent Leader from Mahatma Gandhi University for NSS National Integration Camp-2019 held at Government First Grade College, Ranebennur, Karnataka
2018	Second position -Oral presentation at DST-SERB sponsored International Conference - ICAFM 2018 at St. Benchman's College, Changanassery, Kerala, India

Research Publications

Savitha Nair, Tony Francis , C. P Reghunadhan Nair, and Suresh Mathew (2021). Metal oxide/ Metal organic framework Composite Catalyst as Dopant on Ammonium perchlorate. Propellants, Explosives, Pyrotechnics, 2022 , 47, e202100208 https://doi.org/10.1002/prop.202100208
Anns George, Adon Jose, T Krishnapriya, Tony Francis , Cyriac Joseph, Dr. P.R. Biju Enhanced Luminescence of Host Sensitized Ca ₂ Sb ₂ O ₇ :Dy ³⁺ Single Phase Direct White Light Emitting Phosphor, Journal of Solid state Chemistry, Volume 305, January 2022 , 122625, https://doi.org/10.1016/j.jssc.2021.122625
Anns George, E Sreeja, A Jose, VK Vidhu, Tony Francis , PR Biju Photoluminescence Characteristics and Judd–Ofelt Analysis of Eu ³⁺ Doped Ca ₃ Nb ₂ O ₈ Phosphor for Photonic Devices and Red Laser Applications Journal of Alloys and Compounds, 2024 , https://doi.org/10.1016/j.jallcom.2024.178177
Tony Francis , Aparnamol PB, Sholly Clair George, Saneju M Salu, Annu Thomas, Suresh Mathew TEMPERATURE INDUCED CHROMIC EFFECTS IN COBALT-FORMATE COORDINATION POLYMERS, Journal of Physics: Conference Series 2995 (1), 012007, 2025 https://iopscience.iop.org/article/10.1088/1742-6596/2995/1/012006

Paper Presentations

Presented a paper on, “A NOVEL THERMOCHROMIC NICKEL BASED SUPRAMOLECULAR DISCRETE COORDINATION COMPLEX FOR TRACE WATER SENSING”, Tony Francis , Aparnamol PB , Annu Thomas , and Suresh Mathew , at 37th Kerala Science Congress on 7-10 February 2025 at Kerala Agricultural University, Thrissur
Presented a paper on “A Multifunctional Cobalt-Based Coordination Compound Exhibiting Thermochromism and Solvatochromism for Sensing Applications“ at the Two Day National Conference on Energy Materials and Environment (EME 2024) co-sponsored by Kerala State Council for Science Technology and Environment (KSCSTE), Govt. of Kerala, held at Catholicate College, Pathanamthitta, Kerala, India on 13 th & 14th June 2024
Presented a paper on “Cobalt-Formate Metal Organic Frameworks Solvothermal synthesis, Crystal Structure and Hirshfeld Analysis” in the three day International conference on Advance research on 07-09 February 2024 at MES Keveeyam College, Valanchery, Malapuram Kerala, in association with Kerala State Higher Education Council
Presented a poster in the National Conference on Recent Advances in Chemical Sciences (RACS 2023) organized by School of Chemical Sciences, Mahatma Gandhi University, Kottayam during 13 to 15 December 2023.
Presented a paper on “Calcium nanometal organic frameworks” in the DST-SERB sponsored International Conference - ICAFM 2018 at St. Berchmans College, Changanassery (09-10 October 2018)

Project Guidance

2019-20	Guided KSCSTE Student Project titled “Synthesis and Characterization of Calcium based Magnetic Metal-Organic Frameworks”
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Seminar/Conferences/Workshops Organized

16 December 2019	National Seminar and All Kerala Inter- Collegiate Quiz Competition as a part of Celebrating International Year of Periodic table (IYPT-2019)
17 to 31 May 2020	Coordinated Webinar Series-2020 at St. Mary’s College, Manarcaud
31 October, 7 & 14 November 2020	Coordinated Webinar Series on Exciting and Endless Opportunities in Chemistry at St. Mary’s College, Manarcaud
12,13 March 2022	National Webinar on Introduction to applications of group theory in Chemistry

Faculty Development Programmes Attended

01-28 Feb, 2018	Orientation Course, Punjabi University Patiala
09-15 September 2020	Participated In One Week Faculty Development Program on “ Research Ethics And Characterization Techniques In Material Sciences” jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalasa College and Bishop Moore College, Mavelikara and St. John’s College, Agra.
23-29 June 2020	Participated in One Week Faculty Development Programme on “ Entrepreneurship, Incubation and Innovation” organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
18 April- 02 May 2020	Participated in Two weeks MOOC course on “ Online Learning and Content Development” organized by FLAIR Kerala, Directorate of Collegiate Education, Kerala
20 April -06 May 2020	Participated in Two Week Faculty Development Programme on “ Managing Online Classes and Co-creating MOOC” organized by organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
16. February 2020	Successfully completed the ARPIT Course for Career Advancement Scheme (CAS) promotion Online Refresher Course In Chemistry for Higher Education by Sri. Guru Tegh Bahadur Khalsa College, University of Delhi. A SWAYAM ARPIT Online Course.
21 August 2021	Successfully completed ARPIT course for Career Advancement Scheme(CAS) promotion Leadership And Governance In Higher Education. Level 2 by Savitribai Phule Pune University Pune
14 to 21 June 2023	Participated in the 7 Day National Level Online Faculty Development Program on ChatGPT & AI Tools for Educators, organised by Marian College Kuttikkanam (Autonomous) in association with The Kerala State Higher Education Council from
13 to 17 November 2023	Faculty Development Programme on MGU UG Honours Syllabus Revision & OBE Training for the College/University Teachers conducted by the College Development Council, Mahatma Gandhi University