

COLLEGE WEBSITE- FACULTY PERSONAL PAGE

DATASHEET

PERSONAL DETAILS

Name	Christina Mariam Mathew
Department	Chemistry
Date of commencement of permanent service	4/6/2018
Years of teaching experience as on 1 st June of the year	6 years
Address	
Phone (Mob :)	9447962250
Phone (Residence)	optional
Email	christinamariamathew@baselius.ac.in
Email 2	optional
Academia URL	https://independent.academia.edu/ChristinaMariamMathew
Research Gate URL	https://www.researchgate.net/profile/Christina_Mathew4

ACADEMIC QUALIFICATIONS

Degree	Institute	University	Grade/ Rank etc.
UG	Women's Christian College	University of Madras	
PG	School of Chemical Sciences	Mahatma Gandhi University	
M Phil			
Ph D			
Additional			

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College-level Duties and in-charge (Mention major charges)

Duty	Position	Duration
Arts House in Charge		2018-2019,2019-2020 2023-2024
Tutorial System	Member	2018-2019
Womens Forum	Member	2018-2019,2019-2020
Internal Exam Committee	Member	2019-2020, 2020-2021,2021-2022,2022-2023
Association in Charge		2020-2021, 2021-2022
Counselling		2022-2023
PG Forum		2023-2024
Class Techer		B.Sc Chemistry 2022-2025

PUBLICATIONS AND PRESENTATIONS

International Publications	Rapid Computational Approach Towards Designing Singlet-Fission Chromophores by Tuning the Diradical Character of Heteroatom-Doped Polycyclic Aromatic Hydrocarbons Using the Atom-Specific Fukui Function	<i>J. Phys. Chem. A</i> 2022, 126, 10, 1579–1590 Publication Date:March 8, 2022 https://doi.org/10.1021/acs.jpca.1c08094
National Publications		
Local Publications		
Chapters in Books	‘Food Quality and Evaluations’- Chapter 2 of Food Safety & Quality Control	Text book for Certificate Course by Department of Chemistry & Centre for Research, Baselius College, Kottayam ISBN - 978-81-954900-8-0
Books Edited		
Paper Presentations International/ National Conferences	(i) Poster Presentation entitled ‘Tailoring Small Organic Molecules to overcome Shockley–Queisser limit via Singlet Fission’ at International Conference on Photochemistry and Sustainable Energy	(i) ISBN for ICPSE 2019: 978-93-5391-937-5

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	<p>(ii) (ICPSE 2019) in October 2019 held at Alapuzha Paper Presentation titled 'Design Of Anthanthrene Derivatives For Singlet Fission And Triplet-Triplet Annihilation Applications: A Computational Study' in the International Conference on Advances in Material Science and Chemistry (ICAMSC-2020) held on 10th -12th August 2020, Kerala, India (Online)</p> <p>(iii) Poster Presentation on 'Tailoring Organic Molecules For Singlet Fission Using Phosphorus Substitution And Fukui Function As An Indicator' at Asia Pacific Association of Theoretical and Computational Chemistry (APATCC-10) held at Quy Nhon-Vietnam from 19-23 Feb 2023.</p> <p>(iv) Presented a paper titled 'Molecular Design Strategies on Quinone Based Compounds for singlet fission applications' at ACS Spring 2024 organized by ACS on 20/03/2024</p>	
Research Publications	Rapid Computational Approach Towards Designing Singlet-Fission Chromophores by Tuning the Diradical Character of Heteroatom-Doped Polycyclic Aromatic Hydrocarbons Using the Atom-Specific Fukui Function	<i>J. Phys. Chem. A</i> 2022, 126, 10, 1579–1590 Publication Date: March 8, 2022 https://doi.org/10.1021/acs.jpca.1c08094
Major Research Projects	NIL	
Minor	NIL	

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Research Projects		
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Details of h-index etc.

Details of Seminars/Conferences organised

DETAILS OF RESEARCH GUIDESHIP

Centre of Research:

Number of Scholars under supervision :

Name of the scholar	Full time/Part Time	Status- Awarded (with year)/submitted/ work in Progress/ etc.

AWARDS, HONORS, RECOGNITIONS, PATENTS

Nature	Title	Institute

MEMBERSHIPS IN FORUMS, COMMITTEES, SOCIETIES OUTSIDE COLLEGE

Organisation	Title	Since (Year)
American Chemical Society	Member	March 2023

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Signature of the teachers with date