

COLLEGE WEBSITE- FACULTY PERSONAL PAGE

DATASHEET

PERSONAL details

Name	Dr.Jalaja J.Malayan
Department	Chemistry
Date of commencement of permanent service	1-6-1996
Years of teaching experience as on 1 st June of the year	25 Years
Address	Residential : 30/214A, Naduviledath House Mukkoottil Temple Road POONITHURA P.O PIN 682038
Phone (Mob :)	9961570352
Phone (Residence)	optional
Email	jalajajmalayan@yahoo.co.in
Email 2	jalaamalayan@gmail.com
Academia URL	Optional
Research GateURL	Optional

ACADEMIC QUALIFICATIONS

Degree	Institute	University	Grade/ Rank etc.
UG	Alphonsa College, Palai	Kerala University	Ist Class
PG	Department of Applied Chemistry	Cochin University of Science and Technology	Ist Class
M Phil	Department of Applied Chemistry	Cochin University of Science and Technology	Ist Class
Ph D	Department of Applied	Cochin University of Science	Awarded in 1995

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	Chemistry	and Technology	
Additional	CSIR-Research Associate	Cochin University of Science and Technology	Awarded in 1995
Additional	UGC-JRF, GATE		Qualified in 1990

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

Duty	Position	Duration
MGOCSM	Teacher in charge	2010-11
Chemistry Association	Secretary	2011-12, 2017-18
Class Teacher Ship	B.Sc M.Sc	2008-11, 2012-15 2015-17, 17-19, 19-21
Election duty	Presiding Officer	2011-12, 2020-21 (Panchayat)
B.Sc Tour M.Sc Tour	Teacher in Charge	2010,2014,2015 2016 2018
Research Promotion Council	Member	2015-16,2016-17
PTA Executive Committee	Member	2016-17
College Council	Member	2016-17
College Union	Treasurer	2016-17
Baselius College Co operative Society	Secretary	2012-14
National Seminar State Level Seminars	Convener	2014-UGC Sponsored National Seminar 2006 -State level Seminar 2011- KSCSTE Sponsored Seminar
KSCSTE Sponsored Poster and Science EXHIBITION	Teacher in Charge	2011-12
Value Education Club	Member	2014, 2015, 2016
Patrons Saints Day	Convener	2017-18
Baselius Researcher	Editor	2017 onwards
Screening Committee – Promotion of Teachers	Subject Expert	2017 onwards
Orientation course attended -one		
Refreshar course attended -Four		
Seminars and workshops attended - 48		
FDP attended - Offline -2 Online-4		

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NAAC	Criterion 7 Convener	2019-21
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PUBLICATIONS AND PRESENTATIONS

International Publications	Title	Publisher details, ISBN etc.
1	Electron donating and acid base properties of cerium oxide and its mixed oxides with alumina	Sankaran Sugunan and Jacob M Jalaja Collect.Czech.Chem.Commun , <i>59,1994,2604-2610.</i> Impact factor -1.137
2	Electron donating, acid base and magnetic properties of samaria catalyst	.S.Sugunan and J.J. Malayan J.Adhesion .Sci. Technol , 9 , No.1, 1995 ,73-.80 Impact factor- 1.07
3	Electron donating properties and catalytic activity of samarium oxide and its mixed oxides with alumina	S.Sugunan and J.M Jalaja , React.Kinet.Catal.Lett , 55 , No.2, 1995, 399-406. Impact factor- 0.93
National Publications 4	Electron donating properties and catalytic activity of Cerium oxide with alumina	S.Sugunan and J.M Jalaja, Indian Journal Chemistry , 34A, 1995 216-219. Impact factor -0.851
Local Publications 5	Basis set and Basis functions in Quantum Chemistry	Jalaja J Malayan, Olefi a, published by PG Department of Chemistry, Baselius College,Kottayam,, Vol I, 35-37, 2015
6	Abinitio Calculations on the Structural aspects of Cycloalkanes and Cyclic Ketones	Jalaja J.Malayan and Sangeetha George, Free Radicals January 2019, Published by Post Graduate Department of Chemistry,Baselius College, Kottayam p.14-21.
7	Computational calculations on the Ionisation energy, Electron affinity and Conformational Analysis	Jalaja J.Malayan and Chinchooty Joy, e Free Radicals February 2020, to be Published by Post Graduate Department of Chemistry, Baselius College, Kottayam

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Chapters in Books	A book on Structural Features of Formyl Ketene Dithioacetal	Monu Joy, Annie Mathews and Jalaja J. Malayan, LAP LAMBERT Academic publishing, ISBN 978-3-659-94464 -2, 2016
Books Edited	Nil	
Paper Presentations International/ National Conferences	Effect of Ultra Sound on the Catalytic Activity of MgO/ZnO towards Esterification and Decomposition of Dyes	Jalaja J. Malayan and Meera V, Proceedings of International Conference on Materials for the Millennium , MatCon 2016, p 434-437
10	Acidic soil as a catalyst for esterification, alternative route to renewable energy	Meera V and Jalaja J Malayan, Proceedings of International conference on Climate Change and Developing Countries , Feb 19-22, 2010, 108.
11	GAMESS- Computational method to study the spectroscopic aspects of organic molecules,	Jalaja J. Malayan and Remya V, Proceedings of UGC sponsored National Seminar on Modern Trends in Organic Chemistry conducted by Department of Chemistry, Baselius College, Kottayam, Feb 23-24 2012, p 62-67
12	Behaviour of Magnesia Alumina mixed oxides as solid acid-base catalysts	Jalaja J Malayan and Meera V, Abstracts 20th Swadeshi Science Congress , November 6-8, 2010, CMFRI-Kochi.
13	Surface Characterisation, Electron donating and Sonocatalytic activity of MgO/ZnO mixed oxides	Jalaja J. Malayan, V Meera, Anu G. Nair and Deepthi P, Proceedings of 23rd Swadeshi Science Congress , ISBN 978-81-928129-1-5, 190-194, 2013.
14	Studies on Structural aspects of Organic Compounds using Computational program like Gamess/FireFly and SHMO	Shyamapriya Ganesh and Jalaja J. Malayan, Proceedings of UGC sponsored National Seminar on Recent Trends in Chemistry , 134-145, 2014
15	Acid base properties and Sonocatalytic activity of Mg/Zn mixed oxides	Devika G. Nath, Sajina K. E and Jalaja J Malayan Proceedings of UGC sponsored National Seminar on Recent Trends in Chemistry , 99-107, 2014.
Research Publications	Electron donating properties of Samaria and its mixed oxides with alumina	Jalaja J. Malayan, Baselius Researcher (0975-8658), 7, No.1, 2006, 9-12.
17	Analytical Estimation of Soil Samples	Jalaja J. Malayan and Meera V, Baselius Researcher , (0975-8658), .8, No.1, 2007, 9-13.

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18	Acid base properties of Magnesia Alumina mixed oxides	Jalaja J.Malayan and Meera.V, Baselius Researcher ,(0975-8658), 8 , No.2, 2007, 27-31.
19	Adsorption Studies on Mg-Al Mixed Oxides,	Jalaja J.Malayan and ShynamolP.Rajan, Baselius Researcher ,(0975-8658), 9 ,No.1, 2009,9-15.
20	In Silico Quantum Chemical and Crystallographic Treatment of α – Formylketene DithioAcetal towards the elucidation of its structural and optical nature,	Monu Joy, Neethu Alex, Jalaja J.Malayan, C.Sudarsanakumar and Annie Mathews Chemistry Select ISSN 2365-6549. 2016, I, 5974-5981(Wiley Online Library) Impact factor – 1.811.
21	Probing mechanism of α Formyl ketene DithioAcetal towards the facile formation of functionalized pyrimidines, A Structural Approach	Monu Joy, Adebayo A.Adeniyi, Annie Mathews, Bijo Mathew, S.Prasanth,,Mohmoud E.S Soliman, Jalaja J.Malayan and E R Anabha. Journal of Molecular Structure , ISSN-0022-2860, 2017, 1127,498-510. Impact factor – 2.011
22	Surface Characterisation and Catalytic activity of Zinc-Alumina mixed oxides	Jalaja J.Malayan and Akhila Binny, Baselius Researcher , ISSN No. 0975-8658, VolXVIII, No1, 2017 PP 87-94.
23	Ab initio Calculations on the Molecular Properties of Different Heterocyclic Compounds	Jalaja J.Malayan and Sangeetha George, Baselius Researcher , Vol.XIX No.1 2018,ISSN 0975-8658, p.53-62.
24	Studies on the Surface Tension of different solutions and its Application	Jalaja J.Malayan, Athulya Abraham and Pankaj O, , Baselius Researcher , 2018, Vol. XIX, No.2, ISSN 0975-8658 ,p-97-106
25	Surface characterization of Al ₂ O ₃ / ZnO mixed oxides and its catalytic activity towards esterification	Jalaja J.Malayan and Jasla P, Baselius Researcher , 2019, ISSN 0975-8658,Vol XX, No.1 p 36-47
Major Research Projects	Nil	Nil
Minor Research Projects	Characterisation, acid base properties and catalytic activity of magnesia alumina mixed oxides	MRP(S)533/2006(XPlan)/KLMG031/UGC-SWRO,Principal Investigator, RS-60000/-.

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	Surface Characterisation, Electron donating, acid base properties and catalytic activity of Mg-Zn mixed oxides	MRP(S)1225/11-12/KLMG031/UGC-SWRO,Principal Investigator, Rs 1,72,000/-.
	Analysis and catalytic activity of soil samples	F.No MRP (S)-148/2004 (X Plan) KLKE004/UGC-SWRO, Co-Investigator,Rs-60,000/-.
KSCSTE-The Kerala State Council for ScienceTechnology and Environment	Characterisation and catalytic activity of ZnO-Al ₂ O ₃ mixed oxides	KSCSTE Student Project-Letter No. 4/SPS/2016/KSCSTE dated 23-9-2016. Rs-13,000

DETAILS OF RESEARCH GUIDESHIP

Centre of Research: PG Department of Chemistry, Baselius College, Kottayam, Approved as Research Guide on 17-6-19

Number of Scholars under supervision :Nil

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

AWARDS, HONORS, RECOGNITIONS, PATENTS

Nature	Title	Institute
-	-NA	-

MEMBERSHIPS IN FORUMS, COMMITTEES, SOCIETIES OUTSIDE COLLEGE

Organisation	Title	Since (Year)

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