



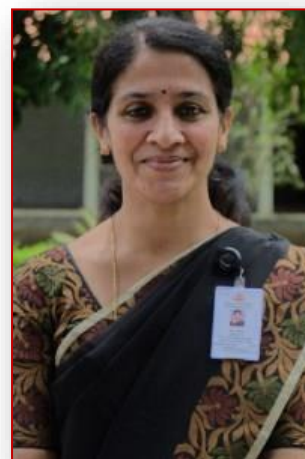
# HENRY BAKER COLLEGE

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## PERSONAL DETAILS

NAME	DR. DISHA V. J.
DEPARTMENT	CHEMISTRY
DESIGNATION	ASSOCIATE PROFESSOR
EDUCATIONAL QUALIFICATION	M. Sc., NET JRF, M. Phil, Ph. D.
DATE OF JOINING	1 <sup>ST</sup> JULY 1996
EMAIL	disha@henrybakercollege.edu.in



## AREA OF SPECIALIZATION/RESEARCH INTERESTS

Physical Chemistry- Membrane Technology

## CAREER PROFILE

<i>Sl. No</i>	<i>Institution</i>	<i>Designation</i>	<i>Period</i>
1	Henry Baker College, Melukavu	Lecturer- Senior scale	1996-2001
2	Henry Baker College, Melukavu	Lecturer- Selection grade	2001-2006
3	Henry Baker College, Melukavu	Associate Professor	2006- till now

## RESEARCH PUBLICATIONS

<i>Sl. No</i>	<i>Name of the Journal</i>	<i>Title of the Article</i>	<i>ISSN No</i>	<i>Month &amp; Year</i>
1	Langmuir (2012) 28, 12744-12752. American Chemical Society	Phosphate recovery by high flux low pressure multilayer membranes:		August 2012

## BOOKS PUBLISHED

<i>Sl. No</i>	<i>Title of the Book</i>	<i>Year of Publication</i>	<i>Name of the Publisher</i>	<i>ISBN No</i>	<i>Year</i>

## ARTICLES/FEATURES

<i>Sl. No</i>	<i>Title of the Book</i>	<i>Title of the Articles</i>	<i>Year of Publication</i>	<i>Name of the Publisher</i>	<i>ISBN No</i>	<i>Year</i>

## DETAILS OF WORKSHOPS/CONFERENCES/SEMINARS/SYMPOSIA ATTENDED

<i>Sl. No</i>	<i>Title of the seminar/workshop</i>	<i>Venue (UGC)</i>	<i>Date</i>	<i>Title of the paper</i>	<i>International / National/Regional</i>	<i>Invited/ Contributed/Participation</i>
1	<i>International conference on Advanced Oxidation Processes</i>	School of Environmental Sciences, Mahatma Gandhi University, Kottayam CEET & ACESD	September 18-21 2010.		International	Participation
2	<i>International conference on membranes: Environmental and biological applications –</i>	Hotel Windsor Castle, Kottayam Centre for environment Education and technology (CEET) and The common Instrumentation centre, MGU, Kerala.	September 16-19, 2011	Transport properties of phosphate through PDADMAC/PSS multilayers	International	Poster presentation
3	<i>Second international conference on nanomaterials-synthesis, characterizati</i>	Centre for Nanoscience & NanotechnologyM	January 12-15, 2012	Sustainable phosphorus initiative using nano	International	Poster presentation

	<i>on and applications</i>	.G. University, Kottayam		membrane s.		
4	<i>National seminar on sustainable development – resend trends in meeting the challenges</i>	School of Environmental Sciences, Mahatma Gandhi University, Kottayam	January 20-21, 2012	Recovery of phosphate using multilayer Membrane s: A path to green fertilizer.	National	Oral presentation
5	<i>National seminar on green chemistry- The ultimate tool for pollution control</i>	Assumption College, Changanacherry	February 14-15, 2012	Recovery of phosphate using PDADMAC /PSS multilayer Membrane s: A path to green fertilizer.	National	Poster presentation
6	<i>Workshop on Frontiers of Spectroscopy and Microscopy</i>	M.G. University Kottayam	September 10-12, 2012		International	Participation only
7	<i>Second International conference on Advanced Oxidation Processes</i>	SECAS & IUIC M.G. University, Kottayam	October 5-8, 2012		International	Participation only
8	<i>National conference on Conservation and Management</i>	School of Environmental Sciences, Mahatma Gandhi	November 06-08, 2012		National	Participation only

	<i>of wetland ecosystems.</i>	University, Kottayam				
9	National seminar on <i>Challenges of quality enrichment in colleges of rural and tribal areas.</i>	Henry Baker College, Melukavu	December 6-7, 2012		National	Participation only
10	<i>The second international conference on membranes.</i>	Mahatma Gandhi University Kottayam.	(October 3-6, 2013),	Interplay of feed and make up pH on the transport of $\text{Cl}^-$ $\text{H}_2\text{PO}_4^-$ through PEI/PSS multilayers	International	Poster presentation
11	<i>The second international conference on membranes.</i>	Mahatma Gandhi University Kottayam.	(October 3-6, 2013),	High flux low pressure multilayer membranes for selective phosphate recovery.	International	Poster presentation
12	23 <sup>rd</sup> Swadeshi Science congress	M.G. University, Kottayam	(Nov. 6-8, 2013)	Recovery of phosphate from laundry wastewater using polyelectrolyte multilayer	National	Oral presentation

				membrane .		
13	Seminar on <i>Renewable Energy for Sustainable Development</i>	UGC Henry Baker College, Melukavu	February 25-26, 2014		State	Participation only
14	International conference on water,	CEET, Kottayam & ACESSD, M. G. University, Kottayam	January 23-26, 2015	Enrichment of sulphate and phosphate from laundry waste water using low pressure multilayer membranes.	International	Poster Presentation
15	Indo-US workshop on Applications of membranes in Energy and Water purification	ACESSD M. G. University, Kottayam	August 20-21, 2015		International	
16	Third International Conference on Membranes	Kochi CEET, ACESSD & IUIC, M. G. University, Kottayam	August 21-24, 2015	Phosphorus remediation techniques : A comparative study.	International	Poster Presentation
17	International conference on water-	Inter University instrumentation	December		International	Participation only

	From pollution to purification	centre, School of Environmental sciences, Advanced centre of environmental studies and sustainable development, MGU, Kottayam & CEET	12-15, 2016			
18	ICW 2018 International conference on water- From pollution to purification	ACESSD, School of Environmental sciences, MGU, Kottayam and Inter University Instrumentation Centre	December 7 – 10, 2018		International	Participation only
19	ICST 2019 International Conference on Separation Science and Technology	ACESSD, Inter University Instrumentation Centre and School of Environmental sciences, MGU, Kottayam.	December 13-16, 2019	Phosphorus separation characteristics of multilayer membranes: A comparative study	International	Poster Presentation
19	Webinar on <i>Academic excellence in the digital era</i>	Henry Baker College, Melukavu	25 May 2020		National level	Participation only
20	Webinar on <i>outcome based education</i>	MES College, Marampally	28 May 2020		National level	Participation only
21	Webinar on <i>Chemistry with Online Tools</i>	Assumption College, Changanacherry, Kerala	23 June 2020		National level	Participation only

**WORKSHOPS/CONFERENCES/SEMINARS/SYMPOSIA/WORKSHOP ORGANIZED**

<i>Sl. No</i>	<i>Title of the seminar/ workshop/ conference etc.</i>	<i>Venue/Agency</i>	<i>Date</i>	<i>International/ National/ Regional</i>
1	World Ozone day 2019 (one day seminar and awareness programme)	Henry Baker College, Supported by Kerala State Council for Science, Technology and Environment (KSCSTE), Govt. of Kerala	25/09/2019	Regional

**HONOURS AND AWARDS**

<i>Sl. No</i>	<i>Award Name</i>	<i>Instituted by</i>

**POSITIONS HELD OR HOLDING IF ANY**

<i>Sl. No</i>	<i>Position</i>	<i>Year</i>
1	Internal Assessment and CBCSS cell- Asst coordinator	2008-2016
2	NSS Programme officer	June 2013-May 2016
3	B. Sc Physics – I year Class warden	2016-17
4	B. Sc Physics – I year Class warden	2017-18
5	IQAC Member	2018-19
6	Women Cell coordinator	2018-19
7	School Protection Group member	2018-19
8	Internal Complaint Committee	2018-19
9	IQAC Member	2019-20
10	Women Cell coordinator	2019-20
11	School Protection Group member	2019-20
12	Internal Complaint Committee	2019-20
13	PTA Executive Member	2019-20
14	Students Grievance Redressal Cell	2019-20

15	NSS Advisory Board Member	2019-20
16	Purchase Committee member	2019-20
17	Academic Integrity Panel	2019-20
18	B. Sc Physics – I year Class warden	2019-20

### RESEARCH PROJECT

<i>Sl. No</i>	<i>Title of the Project</i>	<i>Funding Agency</i>	<i>Amount</i>	<i>Period</i>	<i>Major/Minor</i>
1	Sustainability of phosphorous through multilayer assembly	UGC	175,000/-	2014-16	Minor

### MEMBERSHIP IN SCIENTIFIC/PROFESSIONAL SOCIETIES IF ANY

<i>Sl. No</i>	<i>Name of the Society</i>	<i>Nature of membership</i>	<i>Annual/Life time</i>

### RESEARCH SUPERVISION

<i>Sl. No</i>	<i>Scholar's Name</i>	<i>Title</i>	<i>University</i>	<i>Year of Registration</i>	<i>Status</i>

### COURSES ATTENDED FOR PROFESSIONAL DEVELOPMENT

<i>Sl. No</i>	<i>Name of the Course</i>	<i>Organizing Institute</i>	<i>Period</i>
1	Refresher course	School of Chemical Sciences, Mahatma Gandhi University, Kottayam	24/04/2000 - 19/05/2000
2	Orientation Course	University of Calicut	01/08/2001 - 28/08/2001
3	Refresher course	School of Environment Sciences, Mahatma Gandhi University, Kottayam	22/10/2002 - 15/11/2002
4	Refresher course	School of Environment Sciences, Cochin University of Science and Technology, Kochi-22	04/01/2006 - 25/01/2006



5	NPTEL SWAYAM - 8 weeks online certification course on ' <i>Plastic Waste Management</i> '	IIT, Kharagpur	January – April, 2020
6	NPTEL SWAYAM - 12 weeks online certification course on ' <i>Fundamentals of Spectroscopy</i> '	IISER, Pune	January – April, 2020
7	Workshop on ' <i>Video Content Creation</i> '	IQAC, Marian College, Kuttikanam	22-24 March. 2020
8	Workshop on ' <i>Basic introduction to Moodle</i> '	IQAC, Marian College, Kuttikanam	4 May 2020
9	Two Weeks Faculty Development Programme on " <i>MANAGING ONLINE CLASSES and CO-CREATING MOOCS:2.0</i> "	Teaching Learning Centre, Ramanujan College, New Delhi sponsored by MHRD	May 18 - June 03, 2020
10	Two Weeks Faculty Development Programme on " <i>ADVANCED CONCEPTS FOR DEVELOPING MOOCS</i> "	Teaching Learning Centre, Ramanujan College, New Delhi sponsored by MHRD	July 02 - July 17, 2020
11	One Week Online Faculty Development Programme on " <i>ADVANCED TRAINING IN ICT-ENABLED ONLINE TEACHING TOOLS</i> "	UGC-STRIDE, Mahatma Gandhi University, Kottayam, Kerala	12 <sup>th</sup> – 16 <sup>th</sup> October 2020