

## Curriculum Vitae

**Biju Dharmapalan, M.Phil, Ph.D.**

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**Life Member Vijnanabharati**

(Membership No. 23208)

**Life Member ISCA**

(Membership No :11623)

**Life Member, Kerala Academy of Sciences** (Membership No. L533)

### **Brief Profile**

- I am a postgraduate in Life Sciences and PhD in science communication under the faculty of Mathematics and Information Sciences from CSIR-NIScPR, having nearly 23 years of experience in teaching/ research/ administration. An academically meritorious person, I was the University Rank Holder for both B.Sc. and M.Sc. and the recipient of the University Merit Scholarship for B.Sc., M.Sc. and M.Phil. A person who strives to improve my academic knowledge, I have attended nearly 44 training programmes sponsored by National agencies. I led the postgraduate research department of the School of Biosciences at MACFAST for over six years, coordinating the activities of 7 departments, viz. food science & technology, plant biotechnology, phytomedical science & technology, biochemistry, biotechnology, bioinformatics and bionanotechnology. I was the co-ordinator for DSIR recognition and various MoUs for MACFAST. I have coordinated 3 International conferences and 50 National seminars, and 60 webinars during the last ten years. I am also involved in science communication and was the Editor of the Journal of Science Technology and Management for seven years. Also served as Guest Editor, Indian Journal of Experimental Biology (IJEB), Special Issue on Advances in Food & Industrial Biotechnology, Vol 58, No 12 (2020)
- I was also the founding programme officer of NSS Unit 124 for 5 years and served one year as Pathanamthitta district co-ordinator.
- I was instrumental in formulating the M.Sc. Bionanotechnology course at M.G. University Kottayam and served as Expert Committee Member, Chairman Board of Examination and Examiner at M.G. University, University of Kerala and Bharatiyar University.
- I am also a National Award-winning science communicator who writes for various magazines and newspapers and has also produced radio and television science programmes.
- I am a person with multifaceted skills who can handle science communication/ academics/ research and administration effectively.

**National Awardee 2022**; Listed as Mentors/Resource persons for Summer/Winter Camps and other INSPIRE initiatives, DST, Govt. of India  
Listed in the Data Base of Science Communicators in India, published by Vignan Prasar, DST, Govt. of India  
PT B Science Writing Fellow. KSCSTE

## Work Experience

### 2002- Present

- **Freelance science communicator, columnist and consultant:** Handled scripting and anchoring of science programmes for *India Science* channel of Vigyan Prasar, science and education columns in various national dailies and magazines like *The Hindu*, *The Telegraph*, *The Pioneer*, *The Statesman*, *Science Reporter*, and *Science India*, an academic consultant on various accreditation process and a motivational speaker.

### 2<sup>nd</sup> July 2007 to 24<sup>th</sup> November 2020

- Assistant Professor in the Post Graduate Research Department, School of Biosciences, Served as the Head, School of Biosciences from 4<sup>th</sup> June 2014 to 24<sup>th</sup> November 2020.
- Editor, Journal of Science Technology and Management (ISSN: 0974-8334), from 2013-2020
- Guest Editor, Indian Journal of Experimental Biology (ISSN: 0019-5189), 2019
- Science Programme Co-ordinator, Radiomacfast90.4, 2<sup>nd</sup> January 2012 to 24<sup>th</sup> November 2020.
- Co-ordinator for DSIR recognition
- Programme Officer, National Service Scheme Unit No 124 (M.G.University), from 4<sup>th</sup> July 2012 to 8<sup>th</sup> May 2017
- IQAC member and Convener, Core Committee, NAAC, MACFAST 2013-16
- Co-ordinator, Forestry Club (Reg.No.SFPTA-42/17-18), 2018 -2020
- Co-ordinator, Red Ribbon Club 2012-2017
- Co-ordinator, AMRITA VALUE Virtual Lab Nodal Center, MACFAST from 2014 -2020
- SPOC, NPTEL Local Chapter, MACFAST from 2015 to 2020
- Co-ordinator, G N Ramachandran Science Club, affiliated with Vigyan Prasar, Govt. of India ( unique club ID: VP-KL0142) from 2013 to 2020

### 11<sup>th</sup> June 2002 to 31<sup>st</sup> May 2007

- Guest Lecturer in the Department of Biotechnology, Mar Ivanios College (autonomous), Trivandrum

### 6<sup>th</sup> November 2000 to 10<sup>th</sup> June 2002

- JRF in the Department of Biotechnology, KSCSTE-JNTBGRI, Palode

### 3<sup>rd</sup> July 2000 to 3<sup>rd</sup> November 2000

- SRF in the Division of Crop Improvement, ICAR- CPCRI, Kasargod

## Academic Profile

- Ph.D in Science & Technology Communication, CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR), New Delhi.
- NET & GATE Qualified
- M.Phil. Lifesciences (Biochemistry specialisation) from CUSAT, Cochin
- M.Sc. Botany (Biotechnology specialisation) from the University of Kerala
- B.Sc. Botany from the University of Kerala
- University Rank Holder for B.Sc. and M.Sc.
- Recipient of University Merit Scholarship for B.Sc., M.Sc., and M.Phil.
- Recipient of Indian Academy of Sciences Summer Research Fellowship (both student and teacher category)
- Completed two Refresher Courses and one Orientation programme conducted by UGC-ASC
- UGC-MHRD-STRIDE online faculty development programme on "Advanced training programme on ICT enabled online teaching tools" organised by M.G.University Kottayam from 12<sup>th</sup> to 16<sup>th</sup> October 2020
- Qualified 3 NPTEL Courses conducted by the Ministry of HRD, Govt. of India and 39 online courses offered through Coursera
- Qualified Certificate course in Environmental Studies, IGNOU
- Selected for 19 National Level Training programmes sponsored by DBT, DST, ICAR etc., on topics related to molecular biology, phytochemistry

## **AWARDS AND RECOGNITIONS**

- Nominated as the Executive committee member, Kerala Academy of Sciences, 2023-25
- Nominated as the Executive committee member, Swadeshi Science Movement Kerala , 2024-26
- Received the first Mulamootilachen Foundation Award in Science & Technology 2023, instituted by Mulamootilachen Foundation, Tiruvalla, Kerala, May 28th 2023 .
- National Award 2022 for Outstanding Efforts in Science & Technology Communication through Print Media Including books and magazines, Department of Science & Technology, Govt.of India, 28th February 2023.
- Won third position in the National Blog Writing competition organised as part of Vigyanika,IISF-2022 at Bhopal , 22-23 January 2023.
- Won the second position in the National Blog Writing competition 2022, organised by CSIR-NIScPR,New Delhi as part of Azadi Ka Amrit Mahotsav.
- Recipient of the prestigious 'P.T. Bhaskara Panicker Science Writing Fellowship' for the year 2018 provided by Kerala State Council for Science Technology and Environment, Govt. of Kerala.
- Nominated for the National Science Teacher's Congress held during the 4<sup>th</sup> India International Science Festival from 05 to 08 October 2018 in Lucknow.
- Nominated from the Kerala Chapter of ISCA to present paper in the 11<sup>th</sup> Science Communicators' Meet organized as part of the 105th Indian Science Congress held at Manipur University , Imphal from 19th to 20th March 2018.
- Attended the Round Table Meet on Mass Communication organized as part of the 3rd India International Science Festival at IIT Madras from 13-14th October 2017 as an invited delegate.
- Received *Second Prize* in the State level Science Essay writing competition (Teacher category) conducted by KSCSTE, Govt. of Kerala, 2016.
- Listed in the Data Base of Science Communicators in India, published by Vignan Prasar, DST, Govt. of India, 2013.
- Listed as Mentors/Resource persons for AWASR, Summer/Winter Camps, and other INSPIRE initiatives, DST, Govt.of India.
- Attended the 74<sup>th</sup> Annual meeting of the Indian Academy of Sciences, Bangalore held at IIT Delhi as an invited teacher delegate 31<sup>st</sup> October to 2<sup>nd</sup> November 2008.
- Attended the first Science Conclave with Nobel Laureates sponsored by MHRD,DST, Govt. of India at IIIT Allahabad as Invited Teacher Nominee, 14<sup>th</sup> December to 21<sup>st</sup> December 2008.
- Recipient of University Merit Scholarship for B.Sc., M.Sc. and M.Phil.
- Recipient of the Summer Research Fellowship Programme from the Indian Academy of Sciences during 2005 and 2001
- Recipient of University Ranks for M.Sc. and B.Sc. from the Univerity of Kerala
- First prize in State Level Intercollegiate essay writing competition conducted by KSCSTE as part of National Science Day Celebrations 2000

## **Outline of Publications & Outreach activities**

<b>In Peer-Reviewed Journals (Numbers)</b>	<b>Magazine/ Newsletter Articles</b>	<b>Newspaper Articles</b>	<b>Text Books/ Book Chapters</b>	<b>Conference Proceedings</b>	<b>Radio programmes</b>	<b>Television programmes</b>	<b>Invited Talks</b>	<b>Science Movies</b>
34	111	146	19	24	27	34	72	3