

# Dr. DIVYA DINESH

## Assistant Professor

### MEMBERSHIP OF PROFESSIONAL ORGANIZATION/ASSOCIATION

- ◆ Life member of Indian Science Congress Association (ISCA), Kolkata.
- ◆ Life member of Polymer Society of India (Calicut Chapter)
- ◆ Member of SPIE, USA.
- ◆ Member, Academy of Chemistry Teachers, Thiruvananthapuram, Sponsored affiliate member of International Union of Pure and Applied Chemistry (IUPAC), USA (2012-2020)

### RESEARCH EXPERIENCE:

Research Fellow, University of Kerala, Thiruvananthapuram, 2008- 2013 (5 years).

Junior Research Fellow, National Institute of Technology Calicut (NITC), 2008 (1 year)

### PUBLICATIONS:

1. Development of Nanoporous Polymer Membranes by Swift Heavy Dinesh and P. Predeep, Optics: Phenomena, Materials, Devices, and Characterization, AIP Conf. Proc. 1391, 796-798, 2011. DOI: 10.1063/1.3643684
2. Polymer Nanogels in Drug Delivery Systems, Divya Dinesh, Sulekha.A, Predeep.P, *Technology Letters*, Vol.2, No.1(2015) 30-36 ISSN: 2348-8131.
3. Restoring HCHs polluted land as one of the priority activities during the UN-international Decade on Ecosystem Restoration (2021-2030): A call for global action Vishal R.Chaurasia, Krishna Kumar Pandey, Divya Dinesh, Rajani Srivastava, Pankaj Srivastava, P.C.Abhilash, *Science of the Total Environment*, 2019 Nov 1;689:1304-1315. ISSN: 0048-9697 , Impact Factor: **10.75** (2021)



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### QUALIFICATIONS:

MSc., B.Ed, Ph.D

### DATE OF JOINING:

07/12/2004

### EXPERIENCE IN YEARS:

UG:9 years (including FDP service)

PG:7 years (including FDP service)

### AREA OF RESEARCH:

Environment sensitive polymers, drug delivery systems, porous membranes, nanogels

## **PROGRAMMES ORGANISED/ATTENDED:**

1. Participated and completed one-month Induction Training Programme from 23<sup>rd</sup> September 2019 to 22<sup>nd</sup> October 2019 at School of Education, PMMMNMTT, Central University of Kerala, Kasargod and obtained 'A' grade.
2. Completed two weeks MOOC course (with e-certification) on Online Learning and Content Development from 18<sup>th</sup> April 2020 to 2nd May 2020 organized by FLAIR, New Initiatives in Higher Education, Directorate of Collegiate Education, Kerala.
3. participated in 'Vichintana webinar series 2020' jointly organized by IQAC and IETE Student's Forum, Sree Ayyappa College Chengannur from 09-15 May 2020.
4. participated in national webinar series Virtuosa 2020 organized by IQAC, K.S.M.D.B. College Sasthamcotta from 14-20 May 2020.
5. participated in the International Webinar on 'Contactless Teaching and Learning Pedagogy' organised by IQAC, St Xavier's College for Women, Aluva on 19.05.2020.
6. participated in the National Webinar "Vichintana Webniar Series 2020" on the topic entitled "Strategies for Academic Publicatons "organized by Internal Quality Assurance Cell (IQAC) & IETE Student's Forum, Sree Ayyappa College, Chengannur, Kerala on May 20 ,2020.
7. participated in the Faculty Development Programme on 'Innovative Teaching & Learning' organized by PG Department of Commerce and Research Centre, St. Xavier's College for Women, Aluva on 20<sup>th</sup> and 21<sup>st</sup> May 2020.
8. participated in Faculty Development Programme from 25-29 May 2020 on 'Moodle Learning Management System' organized by Sree Narayana College, Chengannur with course material provided by Spoken Tutorial Project, IIT Bombay under PMMMNMTT.
9. participated in the "e-DARSHAN Webinar Lecture Series-2020" on "Horizons of Virtual Teaching" organized by Department of Commerce & IQAC, T.K.M.M. College Nangiarkulangara on 26<sup>th</sup> May 2020.
10. participated in the "International Webinar on Recent Advances in Chemical Science" jointly organized by Postgraduate & Research Department of Chemistry and Internal Quality and Assurance Cell (IQAC), Sree Narayana College, Kollam from 28<sup>th</sup> - 31<sup>st</sup> May 2020.
11. Participated in the weekly webinar series "Water Challenges During and Post Covid-19" conducted by International Centre for Clean Water and IIT Madras from 7-28 May 2020.
12. participated and completed a ten-day course titled "A Short Term Course in E-Teaching with Learning Management Systems" conducted by The All Kerala Private College Teachers' Association in June 2020.
13. participated in the Webinar on "Online Learning: Prospects and Promises" organized by Sree Narayana College Chathannoor on 24<sup>th</sup> June 2020

14. Participated in the 3 Days National Workshop on 'Remote Learning Technology for Higher Education' Organized by Internal Quality Assurance Cell (IQAC), Central University of Kerala, Periyar, Kasaragod, Kerala from 26.06.2020 to 28.06.2020.
15. participated in the National Webinar entitled "Mass Transport in Two-Dimensional Materials" organized by Department of Chemistry, M.P.Moothedath Memorial Sree Narayana Trusts College, Shoranur on 02<sup>nd</sup> July, 2020.
16. attended the Webinar on "Nanomaterials for Photocatalytic Applications" conducted on 07-07-2020 organized by IQAC in association with Department of Chemistry, Fatima Mata National College Kollam.
17. attended the DBT WEBINAR SERIES on MATERIAL SCIENCE organized by Research and Post Graduate Department of Chemistry, Bishop Moore College, Mavelikara from 15-17 July 2020.
18. participated in the Webinar Scientific Symphoria 2020 on the topic "Polymer Nanocomposites and their applications" organized by Postgraduate & Research Department of Chemistry and Internal Quality and Assurance Cell (IQAC), Mar Ivanios College, Thiruvananthapuram held on 22<sup>nd</sup> July 2020.
19. participated in the International Webinar on "Chemistry for securing Life: Opportunities beyond your imagination" organized by Department of Chemistry St. Joseph's College Irinjalakuda on 25<sup>th</sup> July 2020.
20. participated in the National Webinar on "Project Proposals Preparation and Funding Opportunities" conducted by the Department of Civil Engineering in association with ISTE Saintgits Chapter on July 30, 2020.
21. participated in the webinar on "Online Teaching - A New Approach" organized by Internal Quality Assurance Cell, St. Xavier's College for Women, Aluva on 31-07-2020.
22. participated in national Workshop on "Learning Management System: Moodle" from 27-07-2020 to 02-08-2020 (one week online full time) organized by Teaching Learning Centre, SNDT Women's University Mumbai under PMMMNTT-MHRD.
23. participated and successfully completed the One Week Online Short-Term Faculty Development Programme on "PEDAGOGICAL AND E-LEARNING TOOLS FOR TEACHING" which was delivered in asynchronous mode as MOOC with four quadrants, organized by Sanatana Dharma College, Alappuzha in collaboration with The Kerala State Higher Education Council from 04 -10 August 2020.
24. participated and completed with 'A' grade in the One Week Online Short term Faculty Development Programme (Interdisciplinary) on "Towards a Digital Era of Teaching and Learning" which was delivered as MOOC with four quadrants, organised by UGC-HRDC, University of Kerala, Thiruvananthapuram in collaboration with KSMDDB College, Sasthamcotta from August 12-18, 2020.

25. participated in the International Webinar on “Practicality of Studying Science” (IWP 2020) jointly organized by the Department of Chemistry and IQAC Sree Narayana College Chengannur on 25<sup>th</sup> August 2020.
26. attended International webinar series on “Recent Trends in Chemical Science & Technology (RTCST-2020)” by Christian College, held on 26<sup>th</sup> August 2020.
27. successfully completed the Faculty Development Program on “ICT Tools in Teaching Chemistry” organized by Teresian Teaching Learning Centre & Department of Chemistry and Centre for Research, St. Teresa’s College (Autonomous) Ernakulum from 2<sup>nd</sup> September 2020 to 6<sup>th</sup> September 2020 through Online Mode and secured B+ with 85.6 percentage.
28. successfully completed One Week Online Faculty Development Programme on "ICT ENABLED TEACHING LEARNING" organized by Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Teaching Learning Centre, Ramanujan College, University of Delhi and Janki Devi Memorial College University of Delhi from September 7 - September 13, 2020 and obtained grade A+
29. Successfully completed Seven Days Short Term Programme on “HUMAN RIGHTS” from October 03, 2020 to October 09, 2020 organized by Sree Ayyappa College for Women, Chunkankadai in collaboration with UGC- Human Resource Development Centre, Kannur University, Kerala.
30. completed the five days Faculty Development Programme on “Research and Career” held from 19<sup>th</sup> to 23<sup>rd</sup> October 2020 organized by Vimala College (Autonomous) Thrissur, Kerala, supported by DBT-STAR College Scheme, Government of India.
31. Participated in webinar series on “NAAC Accreditation and Preparation An Introspection” organized under PARAMARSH Scheme sponsored by UGC-NAAC on 15<sup>th</sup>, 16<sup>th</sup>, 20<sup>th</sup>, 21<sup>st</sup> and 22<sup>nd</sup> October 2020 organized by Little Flower College Guruvayoor.
32. Participated in one-day National webinar entitled “Effective Implementation of Flipped classroom model to enhance the quality of Teaching – Learning” jointly organized by GAD TLC, SGTB, Khalsa College, University of Delhi under PMMMMNMTT of MoE and S.S.T College of Arts & Commerce (Affiliated to University of Mumbai on 27<sup>th</sup> December 2020).
33. successfully completed Two Week Online National Faculty Development Program on ‘Innovative Practices for Academic Excellence’ (Multidisciplinary, online, flexible mode) with A+ organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMMNMTT) of Ministry of Education in collaboration with Bishop Abraham Memorial College, Thuruthicad.

34. Participated and officiated as an organizing committee member in the Webinar on “Research Ethics” organized by Departments of Zoology, Chemistry & IQAC, TKMM College Nangiarkulangara on 5<sup>th</sup> February 2021.
35. Participated and officiated as an Organizing secretary in the webinar on “Role of Chemistry in Crime Investigation” as a part of International Day of Women and Girls in Science” organized by Department of Chemistry, TKMM College Nangiarkulangara on 11<sup>th</sup> February 2021.
36. Participated in Inter-National seminar on ‘Outcome based Education: How to write measurable Learning Objectives’ organized by Dept of Mathematics in association with IQAC & NAAC, TKMM College Nangiarkulangara on 15<sup>th</sup> February 2021.
37. Participated and officiated as programme co-ordinator in the webinar on “Role of Chemistry in Crime Investigation” organized by Departments of Chemistry, Zoology & IQAC, TKMM College Nangiarkulangara on 20<sup>th</sup> February 2021.
38. participated in One Day Online National Workshop entitled “ICT Tools for Chemistry Teachers” organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education on 22<sup>nd</sup> February 2021.
39. participated in Five Days Training for College Teachers on “Recent Advances in Inorganic Chemistry” jointly organized by Department of Chemistry, School of Physical Sciences, & Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), School of Education, Central University of Kerala (CUK), Kasaragod 671320, from 05.03.2021 to 09.03.2021
40. participated in International webinar on “Multi-disciplinary research” on 13<sup>th</sup> March 2021 organized by Department of Chemistry, Guru Nanak College of Science Ballapur, Dist Chandrapur.
41. participated in International webinar on “Sustainable Chemistry (IWSC-2021)” on 18<sup>th</sup> March 2021 organized by Association of Chemistry Teachers (ACT), C/O Homi Bhabha Centre for Science Education (TIFR), Mumbai.
42. successfully completed the ARPIT course with A Grade – ‘Online Refresher Course In Chemistry For Higher Education’ From 1<sup>st</sup> Dec 2020 to 31<sup>st</sup> March 2021.
43. participated in National Level One-Week Faculty Development Programme on "Research Methodology" Organised by Amar Sewa Mandal’s Kamla Nehru Mahavidyalaya, Nagpur From 26<sup>th</sup> April 2021 to 01<sup>st</sup> May 2021.
44. Participated in International Conference on “Smart Materials : Application to Devices (ICSMAD - 2021)" Jointly Organized by Department of Physics and Department of Electronics, Amar Sewa Mandal’s Kamla Nehru Mahavidyalaya, Nagpur on 17<sup>th</sup> and 18<sup>th</sup> May 2021.

45. participated in the Online Workshop on MSc Physical Chemistry Practicals on 20<sup>th</sup> and 21<sup>st</sup> May 2021, organised by Post Graduate & Research Department of Chemistry & IQAC, Sanatana Dharma College, Alappuzha.
46. participated in the Online Workshop on MSc Organic Chemistry Practicals on 28<sup>th</sup> May 2021, organised by Post Graduate & Research Department of Chemistry & IQAC, Sanatana Dharma College, Alappuzha.
47. participated in "International Conference on Recent Advances in Chemical, Physical and Biological Sciences" Organized by Department of Chemistry, Nabira Mahavidyalaya, Katol & Association of Chemistry Teacher, Mumbai on 29<sup>th</sup> and 30<sup>th</sup> June 2021.
48. participated in the Faculty Training Programme organized by the Department of Commerce (SF), St. Berchmans College (Autonomous), Changanacherry, Kerala on 25 - 06-2021 and 03-07-2021.
49. participated in the Faculty Development Programme on Open Educational Resources organized by Department of Computer Science, Sahodaran Ayyappan Smaraka SNDP Yogam College, Konni, Pathanamthitta, Kerala, on 03-07-2021.
50. participated in one-day webinar - Basic Concepts in Quantum Mechanics conducted by IQAC & PG Department of Chemistry, St. Gregorios College Kottarakara in association with Academy of Chemistry teachers (ACT) on 10-07-2021.
51. Participated in the webinar on Learning Reaction Mechanism with the aid of Computational Chemistry Tools: A case study with Pericyclic Reactions' organized by Post Graduate Department of Chemistry & IQAC St. Stephen's College, Pathanapuram on 24-07-2021.
52. participated in National Webinar on Recent Advances in Chemistry Organized by Department of Chemistry, Govt. Gajanand Agrawal Post Graduate College, Bhatapara (C.G.) on 26<sup>th</sup> July 2021.
53. participated in National Webinar entitled "Teacher's e-Kit: A Four Quadrant Approach for Development of OERs for Higher Education" organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education on 09<sup>th</sup> September 2021.
54. participated in the Two day National Workshop on "Outcome Based Education" organised by Internal Quality Assurance Cell of Sree Vidyadhiraja NSS College, Vazhoor, on 27<sup>th</sup> September 2021 and 28<sup>th</sup> September 2021.
55. participated in the Webinar, CHEM SAFE-'21 on 27<sup>th</sup> NOVEMBER 2021, organised by Post Graduate Department & Research Centre of Chemistry, Sanatana Dharma College, Alappuzha.
56. participated in One-Day National Webinar entitled "NEP-2020: Innovative

Pedagogies for Quality Education” jointly organized by SIES (NERUL) College of Arts, Science & Commerce, University of Mumbai and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education held on 11<sup>th</sup> January 2022.

57. completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Central University of Kerala, Kasaragod from 16-01-2024 to 25-01-2024.

58. successfully completed One-Week Online National Faculty Development Program (CANCER AWARENESS FOR COMMUNITY ENGAGEMENT @NEP 2020) organized by UGC-Malaviya Mission Teacher Training Centre (UGC-MMTTC/GAD-MMTTC), SGTB Khalsa College, University of Delhi in collaboration with Indian Cancer Society, Delhi conducted from 11<sup>th</sup> February to 18<sup>th</sup> February 2025.

#### **OTHER DUTIES AND RESPONSIBILITIES UNDERTAKEN:**

- Chief Superintendent of University Examinations
- Question paper setter of UG & PG Chemistry courses of colleges/Universities.
- Co-ordinator, PG & UG Admission Committee
- Faculty Mentor, Standards Club
- Faculty Mentor, Kerala Knowledge Economy Mission, Govt of Kerala
- Co-ordinator, Additional Skill Acquisition Programme
- Co-ordinator, Career Guidance and Counselling cell
- Member, ICT club
- Member, Caste Based Discrimination Prevention Cell
- Class tutor, Third year BSc. Chemistry & BSc. Chemistry and Industrial Chemistry (2023 Admission)
- External examiner of BSc & MSc Degree practical examinations of University of Kerala.
- Additional examiner of BSc Degree (core and complementary) and MSc examinations of University of Kerala.