

SEENA ELIZABETH GEORGE

Assistant Professor
Department of Chemistry
St. Michael's College,
Cherthala-688539, Kerala.

Education

- B.Sc., St. Teresa's College, Ernakulam, M. G. University, 2003
- M.Sc., School of Chemical Sciences, M.G. University, 2005
- NET (2006)

Teaching Experience: 15 years

- Maharajas College, Ernakulam: 2008-2010
- St. Michael's College, Cherthala: 2010 onwards

Research Interests

- Organic Electronics
- Nano Technology
- Supramolecular Chemistry

Research Projects/Conference grants

Title	Name of funding Agency	Sanctioning Year	Remarks
Synthesis and Characterization of Nanomaterials for Photovoltaic Applications	UGC Minor Research Project Amount : Rs. 80,000.00	2012	Completed
Awareness Programme for Coastal Women in the topic "Health and Hygiene"	Women Scientist Division, KSCSTE Amount : Rs. 10,000.00	2015	Completed
National Seminar on Recent Advances in Photochemistry (NSPC 2015)	UGC Amount : Rs. 80,000.00	2015	Completed

Publications

- **Seena Elizabeth George**, Vibin Ipe Thomas, C. Rajalakshmi, Ranjini Radhakrishnan, Akhil Sivan, Manoj Parameswaran, Exploring the Photophysical, Electrochemical and Excited State Dynamics of 2, 8-Disubstituted Dibenzothiophene Oligomers for Organic Electronics: Theoretical and Experimental Insights, **Journal of Molecular Structure** 1326 (2025) 141116.

- **Seena Elizabeth George**, Vibin Ipe Thomas, C. Rajalakshmi, Ranjini Radhakrishnan, Akhil Sivan, Leemol Roy, Manoj Parameswaran, *Optoelectronic Properties and Theoretical Insights of 3,6 Disubstituted Carbazole Oligomers Synthesized via Suzuki Coupling*, **Journal of Molecular Structure** 1340 (2025) 14255.
- **Seena Elizabeth George**, Vibin Ipe Thomas, Beena James, Pearl Augustine, C. Rajalakshmi, P. Manoj, *Modelling and Synthesis of Solution Processable Dibenzothiophene Derivative for Organic Electronics*, **Materials Today: Proceedings**, 33 (2020) 1288.
- **Seena Elizabeth George**, Vibin Ipe Thomas, C. Rajalakshmi and P. Manoj, *Theoretical Design and Synthesis of Carbazole-Dibenzothiophene Donor molecule for Organic Photovoltaics*. Paper presents in National Seminar on Recent Advances in Photochemistry (NSPC 2023), organized by Department of Chemistry, St. Michael's College, Cherthala, in association with KSCSTE.
- **Seena Elizabeth George**, Vibin Ipe Thomas, Beena James, Pearl Augustine, C. Rajalakshmi, P. Manoj, *Modelling and Synthesis of Solution Processable Dibenzothiophene Derivative for Organic Electronics*. *Proc. International Conference on Photochemistry and Sustainable Energy*. Alappuzha, India **2019**.
- **Seena Elizabeth George**, P. Rajagopal and P. Manoj, *A Review on Thiophene based Oligomers and polymers: A Versatile Building Block for Organic Electronics*, *Michael's Journal of Academic Research (MJAR)* 2017, 1, 47. An Interdisciplinary Journal of St. Michael's College Cherthala.
- **Seena Elizabeth George**, Aswathi Harikumar, P. Rajagopal and P. Manoj "*Synthesis and Photophysical studies of Dibenzothiophene based molecules for Electronic Application*". Poster presented in 4th International conference on Membranes, ICM, September. 30-October. 3, 2017, organized by Department of Chemistry, St. Michael's College, Cherthala, in association with Center for Environment Education and Technology (CEET) Kottayam, Kerala.

Extension Activities

- Coordinator, NIRF & KIRF
- Presiding Officer, Internal Complaint Committee for Women
- Coordinator, Young Innovators Programme
- Coordinator, AISHE (2021-2024)
- Secretary, Parent Teacher Association (2017 to 2023)
- Coordinator, Scholar Support Programme (2013 to 2018)

- Assistant Coordinator, Women Cell (2011 Onwards)
- Placement Officer, Career Guidance and Counseling Cell (2015-16)
- Coordinator, Energy Conservation Club and Environmental Conservation (2012-13).
- Convener, National Seminar on Photochemistry NSPC 2015 sponsored by University Grants Commission.
- Convener, One Day Awareness Programme for Coastal Women in the topic “Health and Hygiene” sponsored by Women Scientist Division, KSCSTE, Thiruvananthapuram.
- Programme Coordinator for one day programme on Women Rights “Own Your Power” conducted by Women Cell in association with National Human Rights Commission.
- Coordinator, ChemWonders 2018 - Workshop for school students.
- College level Coordinator of ‘Disha’ Job Fair conducted in association with employability Centre, Alappuzha.
- Coordinator, Golden Jubilee Lecture Series on “Education and Career Opportunities within the country and Abroad in the year 2016.
- Member, Board of Examinations, University of Calicut.
- Member, Board of Examinations, Maharajas College, Ernakulam.
- Member, Board of Examinations, St. Teresas College, Ernakulam.
- Member, IQAC, St. Michael’s College, Cherthala.
- Member, Grievance and Redressal Cell, St. Michael’s College, Cherthala.
- Member, Internal Complaints Committee to prevent Sexual Harassment of Women at Work Place.
- Board Member, Cooperative Store, St. Michael’s College, Cherthala.
- Member, Youth Red Cross, St. Michael’s College, Cherthala.

Professional Development Programme

Programme	Subject	Period	Organizer/Place
Orientation Course	IT Oriented	22-04-2015 to 19-05-2015	UGC, HRDC, University of Kerala, Thiruvananthapuram
Refresher Course	Renewable Energy Studies	09-08-2017 to 29-08-2017	UGC, HRDC, University of Kerala, Thiruvananthapuram
Online Refresher Course	Material Science	15-10-2020 to 28-10-2020	UGC, HRDC, University of Kerala, Thiruvananthapuram
Online Refresher Course (Swayam)	Chemistry	01-12-2020 to 31-03-2021	UGC, S.G.T.B. Khalsa College, University of Delhi
Short Term Course	“Implementation of Information and Communication Technology in Teaching”	18-07-2020 to 24-07-2020	CUSAT

Short Term Course	“Pedgogical and e-learning tools for teaching.	04-08-2020 to 10-08-2020	KSCSTE and S.D. College, Alappuzha
Short Term Course	“Towards a Digital Era of Teaching and Learning”	12-08-2020 to 18-08-2020	UGC, HRDC, University of Kerala, Thiruvananthapuram & KSMDDB College, Sasthamcotta.
Short Term Course	Open education resources	01-11-2022 to 07-11-2022	UGC, HRDC, University of Calicut
NEP 2020 Orientation and Sensitization Programme	MMTTC, Kannur University	19-06-2024 to 28-06-2024	UGC

Seminar/Workshop Attended

- National Seminar on NMR Spectroscopy jointly organised by Department of Chemistry, St. Michael’s College, Cherthala and Magnetic Resonance Society, Kerala on 17-19 January 2024.
- National Seminar on Recent Advances in Photochemistry (NSPC 2023), organized by Department of Chemistry, St. Michael’s College, Cherthala, in association with KSCSTE on 01-02-2023 to 03-02-2023.
- National Seminar on “Emerging Trends in Energy Harvesting and Storage (ETEHS-2022) organised by Dept.of Physics, St.Michael’s College, Cherthala on November 10-11, 2022.
- Two Day Workshop on “Facets of Research Methodology” organised by Dept. of Chemistry and IQAC, St. Michael’s College, Cherthala and Dept. of Physics, KE College, Mannanam on 22 -23 September 2022.
- One Day National Webinar entitled “Towards Excellence in Higher Education in India in 21st Century” jointly 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 (PMMMNTT) of MHRD and Union Christian College, Aluva on 28th August 2020.
- National level webinar on CHEMISTRY WITH ONLINE TOOLS held on 23 June 2020, at Assumption college, Autonomous, Changanacherry, Kerala.
- Webinar on ‘Look beyond what you can with IR imaging’ held on May 8, 2020 by Perkin Elmer.
- Webinar on Hand Sanitizer Analyzer for Confident, Quick and Simple Analysis” held on April 24, 2020 by Perkin Elmer.
- Webinar on Requirement of Professionalism in Online Teaching and Learning by IQAC, St.Michael’s College, Cherthala on 14-08-2020
- International Webinar Lecture Series organised by the Department of Chemistry, St. Michael’s College,Cherthala, Alappuzha, Kerala from 21-23 May 2020.
- International Webinar on “Impact of light in chemistry and its applications” organised by St.Paul’s College, Kalamassery on 30 th May 2020.

- Fourth International Conference on Membranes”(ICM 2017) on Sep 30- Oct 3 2017 organised by Department of Chemistry, St. Michaels College, Cherthala.
- Two Day Residential Capacity Building Workshop for Coordinators of the Scholar Support Programme of the Office of the New Initiatives in Higher Education, Department of Collegiate Education, Government of Kerala held at Loyola College of Social Sciences, Trivandrum from 26 th October 2016 to 27 th October 2016.
- Science Academies Lecture workshop on Molecular Machines conducted by Maharajas College, Ernakulam during 2-3 February 2017.
- International research Conference on Advanced Techniques in Chemistry-IRCATC 2014 held at St. Albert's College on 09-01-2014.
- National Seminar on Frontiers in NMR Spectroscopy, Department of Chemistry, St. Michael's College, Cherthala, July 2011.
- National Seminar on Current Trends in Chemistry CTriC 2013 held at CUSAT on 22 nd and 23 rd March 2013.
- Orientation programme on Research methodology in Science organized by Research promotion Council, St. Michael's College, Cherthala on 18-19 August 2011.
- Orientation Programme in General Informatics organized by Informatics Centre, St. Michael's College, Cherthala on 24-26 August 2011.