CURRICULUM VITAE

Dr. Saritha Chandran A.
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Department of Chemistry and Center for Research,
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https://sites.google.com/view/sarithachandrana/academics
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Academic records

Ph.D: Materials Science
Faculty of Technology, Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Kochi; March 2009
Title of the thesis - **Polyaniline Coated Short Nylon Fiber/Elastomer Composites: Electrical and Microwave Characteristics**
Available online at:
Shodhganga: http://hdl.handle.net/10603/1408
CUSAT dyuthi: http://dyuthi.cusat.ac.in/xmlui/handle/purl/1965
Research guide: Prof. (Dr.) Sunil K. Narayanankutty

M.Sc: Chemistry
Sacred Heart College, Thevara, Ernakulam
Mahatma Gandhi University, Kottayam; March 2002

B.Ed: Physical Science
University College of Teacher Education, Tripunithura
Mahatma Gandhi University, Kottayam; March 2003

B.Sc: Chemistry
St. Teresa's College, Ernakulam
Mahatma Gandhi University, Kottayam; March 2000

Pre-Degree
Alphonsa College, Pala
Mahatma Gandhi University, Kottayam; March 1997

S.S.L.C

St. Mary's Girls Higher Secondary School, Pala
State Board of Public Examinations; March 1995

Achievements

Qualified the State Eligibility Test (SET) - March 2004, Directorate of Higher Secondary Education, Government of Kerala, India.

Technical Qualifications

MS Office

Lakhotia Computer Centre; July 2002

Typewriting English (Higher)

Board of Technical Examinations, Government of Kerala; July 1999

Typewriting English (Lower)

Board of Technical Examinations, Government of Kerala; August 1998

Typewriting Malayalam (Lower)

Board of Technical Examinations, Government of Kerala; August 1998

Diploma in Computer Programming in Basic Language (3 months)

Centre for Applied Research In Electronics, Thiruvananthapuram; July 1995

Key instrumental skills

- Infrared Spectroscope
- Thermo Gravimetric Analysis
- Differential Scanning Calorimetry
- Brabender Plasticorder
- Two Roll Mill
- Rubber Process Analyzer
- Universal Testing Machine
- Nanovoltmeter

PC skills

- Typing speed of 40 words/min.
- Windows, Word, Excel, Powerpoint, Internet
- Origin
- Adobe pdf editor

Affiliations

- Life Member, Indian Society of Technical Education (ISTE)
- Life Member, Indian Society of Analytical Scientists (ISAS)
- Life Member, Society of Polymer Technologists (SPOT)

Research interests

Polymers, Fibers, Conducting polymers, Conducting short fiber composites

Teaching experience

- Currently working as Assistant Professor at the Department of Chemistry, St. Teresa's College, Ernakulam, Kerala, 14th January 2010 onwards, handling classes for B.Sc and M.Sc Chemistry.
- Lecturer in Chemistry at MET'S School of Engineering, Mala, Thrissur, Kerala, 12th August 2009 to 13th January 2010 (5 months and 1 day), handling Engineering Chemistry classes for B.Tech students.
- Guest Lecturer at the Dept. of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Kerala, 3rd July 2009 to 11th August 2009 (1 month and 8 days), handling Chemistry and Polymer Science classes for B.Tech Polymer Science and Rubber Technology students.
- Lecturer in Chemistry on contract at College of Engineering and Management, Punnapra, Kerala, 15th September 2008 to 30th April 2009 (7 months and 15 days), handling Engineering Chemistry classes for B.Tech students.
- Guest Lecturer at the Department of Chemistry, Sacred Heart College, Thevara, Ernakulam, Kerala, 12th January 2004 to 31st March 2004 (2 months and 19 days), handling classes for M.Sc and B.Sc Chemistry.

Google Scholar Matrices

Citations – 85
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Publications in international peer-reviewed journals

1. Microwave characteristics of polyaniline based short fiber reinforced chloroprene rubber composites; Saritha Chandran A., Sunil K. Narayanankutty, P. Mohanan. **POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING (Currently Known as**

POLYMER-PLASTICS TECHNOLOGY AND MATERIALS), *2011;50(5):453-458*. Publisher: Taylor and Francis. ISSN: 0360-2559, Impact factor: 1.279, 2019 Impact factor: 1.973 (2019), Published on 04/04/2011. Doi: https://doi.org/10.1080/03602559.2010.543229 (**Cited by 10)**

2. Polyaniline coated short nylon fiber/natural rubber conducting composite; Saritha Chandran A., Sunil K. Narayanankutty. **POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING (Currently Known as POLYMER-PLASTICS TECHNOLOGY AND MATERIALS)**, *2011;50(5):443-452*. Publisher: Taylor and Francis. ISSN: 0360-2559, Impact factor: 1.279, 2019 Impact factor: 1.973 (2019), Published on 04/04/2011. Doi: https://doi.org/10.1080/03602559.2010.543225 **(Cited by 20)**

3. Preparation and characterization of conducting nylon 6 fibers; Saritha Chandran A., Sunil K. Narayanankutty. **JOURNAL OF MATERIALS RESEARCH.** Impact factor: -1.667, New: 2.502 (2019), *2009;24(8):2728-2735*. Publisher: Materials Research Society, Available online at: www.mrs.org/publications/jmr/. ISSN: 0884-2914, Published on 01.01.2011, Doi: https://doi.org/10.1557/jmr.2009.0329 (**Cited by 4**).

4. Dielectric behaviour of polyaniline/polyvinyl chloride/nylon fiber composites at microwave frequencies; Saritha Chandran A., Sunil K. Narayanankutty. **POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING (Currently Known as POLYMER-PLASTICS TECHNOLOGY AND MATERIALS).** *2009;48(1):82-89*. Publisher: Taylor and Francis. ISSN: 0360-2559, Impact factor: 0.42, 2019 Impact factor: 1.973, Published on 17.12.2008. Doi: https://doi.org/10.1080/03602550802539858 (**Cited by 6**).

5. An elastomeric conducting composite based on polyaniline coated nylon fiber and chloroprene rubber; Saritha Chandran A., Sunil K. Narayanankutty. **EUROPEAN POLYMER JOURNAL.** Impact factor: 2.143, New: 3.862 (2019), *2008;44(7):2418-2429*. Publisher: Elsevier, Available online at: www.sciencedirect.com. ISSN- 0014-3057, Published on 24.05.2008, Doi: http://doi.org/10.1016/j.eupolymj.2008.05.012 (**Cited by 45**).

Conference proceedings and presentations

1. Nanosilica Preparation by Precipitation Method in Presence of Polymeric Dispersing Agents; Ashifa Ashraf, Akhila Mary Stephen, Aiswarya O S, Saritha Chandran A, International Seminar on Material Science and Organic Synthesis, January 4-5, 2019 St. Albert's College, Ernakulam, Kerala. ISBN: 978-93-5351-066-4

2. Adsorption kinetics of pendimethalin in effluent water using activated carbon; Ambily K Anil, Dhanya Clarissa Roy, V. Babu, Saritha Chandran A. Proceedings of **International Conference on Chemistry and Physics of Materials**, pages 43-44, December 19-21, 2018, St. Thomas College, Thrissur, Kerala. ISBN: 978-81-935819-1-9.

3. A study on the adsorption Kinetics of Pendimethalin in effluent water using activated carbon; Dhanya Clarissa Roy, Ambily K Anil, Babu V, Saritha Chandran A.; Teresian Book of Research in Chemistry, December 14, 2018, pages 39-44, ISBN: 9788172551049.

4. Conducting short fiber composites; Saritha Chandran A., Sunil K. Narayanankutty. International Conference on Latest's in Polymers- 2010, **LaP 2010**, August 12-13, 2010, J. J. Murphy Research Centre, Rubber Park, Ernakulam, Kerala, India.
5. NR/PANI coated nylon fiber conducting composites; Saritha Chandran A., Sunil K. Narayanankutty. Page 96. International Conference on Advances in Polymer Technology, **APT'10**, February 26-27, 2010, Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Kerala, India.
6. Conducting short fiber/elastomer composites: Saritha Chandran A., Sunil K. Narayanankutty. Page: 108. International Conference on Advances in Polymer Technology, **APT'08**, September 25-27, 2008, Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Kerala, India.
7. CR/PANI coated nylon fiber conducting composites; Saritha Chandran A., Sunil K. Narayanankutty. Pages 51-52. International symposium, Polymers-Prospects and Challenges, **POLYMSYM'08**, April 4-5, 2008, National Institute of Technology, Calicut, Kerala, India.
8. Cure and mechanical properties of PANI-PANI coated nylon fiber-CR conducting composites; Saritha Chandran A., Sunil K. Narayanankutty. Pages 174-176. International Conference on Materials Science Research and Nanotechnology, **ICMSRN-2008**, February 27-29, 2008, Department of Physics, Mother Teresa Women's University, Kodaikanal, Tamil Nadu, India.
9. Conducting nylon fibers based on polyaniline; Saritha Chandran A., Sunil K. Narayanankutty. Pages 125-126. International Conference **POLYCHAR-16**, World Forum on Advanced Materials, 17-21 February 2008, World Unity Convention Center, Lucknow, India.
10. Preparation of conducting nylon fibers with special reference to the effect of etching treatment; Saritha C. A. and Kutty S. K. N. Pages 273-274. 17th Annual General Meeting of Materials Research Society of India- **AGM-MRSI**, February 13-15, 2006, University of Lucknow, India.
11. Preparation of polyaniline coated nylon fibers-effect of etching medium; Saritha Chandran A., Sunil K. N. Kutty; Pages 129-130. National Conference on Frontiers in Polymer Science and Technology- **POLYMER 2006**, February 10-12, 2006, Indian Association for the Cultivation of Science, Jadavpur, Kolkata, India.

Books authored and edited

1. Coauthor of **Environment Ecology and Human Rights**, Based on revised syllabus of Mahatma Gandhi University Kottayam for the Core paper of V Semester BSc Chemistry published by BrandMithra Publishers, Pala. Ajith James Jose, **Saritha Chandran A.**, Bijo Joseph. (First edition,: July 2019, ISBN: 9784656357534).

2. Editor and Coauthor of **Physical Chemistry for Physics and Geology Students,** Based on the revised syllabus of Mahatma Gandhi University Kottayam for the Complementary Chemistry paper of IV Semester BSc. Physics and Geology published by BrandMithra Publishers, Pala. Ajith James Jose, **Saritha Chandran A.**, Krishnaraj M V. (First edition: December 2018, ISBN: 9782776456885, Second edition: December 2019, ISBN: 9784656453557)

3. Editor and Coauthor of **Booklet on First Aid and Safety Measures in Laboratory**, First edition published by Teresian Publishing House. Compiled by Dr. Saritha Chandran A, Dr. Ushamani M, Dr. Alphonsa Vijaya Joseph. (Year: November 2018. ISBN: 9788172551025).

4. Editor and Coauthor of **Complementary Chemistry for First Year Students,** Based on the revised syllabus of Mahatma Gandhi University Kottayam for the Complementary Chemistry paper of I and II Semester BSc. Botany, Zoology, Family and Community Science, Physics and Geology published by BrandMithra Publishers, Pala. Ajith James Jose, **Saritha Chandran A.**, Krishnaraj M V. (First edition: July 2018, ISBN: 9785232619572, Second edition: June 2019, ISBN: 9784779476129)

5. Editor and Couthor of **Physical Chemistry for Physics and Geology Students,** Based on the revised syllabus of Mahatma Gandhi University Kottayam for the Complementary Chemistry paper of III Semester BSc. Physics and Geology published by BrandMithra Publishers, Pala. Ajith James Jose, **Saritha Chandran A.**, Krishnaraj M V. (First edition: June 2018, ISBN: 9782523165923. Second edition: June 2019, ISBN:9783789577130)

6. Editor and Couthor of **Complementary Chemistry for Life Science Students,** Based on the revised syllabus of Mahatma Gandhi University Kottayam for the Complementary Chemistry paper of III and IV Semester BSc. Botany, Zoology and Family and Community Science published by BrandMithra Publishers, Pala. Ajith James Jose, **Saritha Chandran A.**, Krishnaraj M V. Year. (First edition: June 2018, ISBN: 9782123465812. Second edition: June 2019, ISBN: **9783789576713**).

7. **Environmental Studies** Based on the UGC syllabus for Undergraduate courses of all branches of higher education. Published by Teresian Publishing House, Ernakulam. Ushamani M, Sheela D, Priya K Nair, **Saritha Chandran A**, Swathy Varma P R. Year: November, 2017. ISBN:978-81-7255-093-6. Editor and Coauthor.

8. **Advanced Inorganic, Organic and Environmental Chemistry**, First Edition, published by Teresian Publishing House, Ernakulam. Ushamani M, **Saritha Chandran A,** Mary Lincy K A, Rupa V Kamath, Elizabth Mary P A. Year: November, 2017. ISBN: 978-81-7255-091-2. Editor and Coauthor.

9. **Volumetric Analysis, Second edition** for Semester I & II of CBCSS B.Sc. Complimentary Course of Mahatma Gandhi University, Kottayam published by Gayathri Publishers, Convent Road, Ernakulam. Year: 2014. ISBN: 978-81-924688-1.

10. **Qualitative Organic Analysis for Complementary Course** for Semester II & IV of Mahatma Gandhi University, Kottayam published by Gayathri Publishers, Convent Road, Ernakulam. Year: 2013. ISBN: 978-81-924688-2-2.

11. **Short Nylon Fibre/Elastomer Conducting Composites: Electrical and Microwave Characteristics** published by LaP Lambert Academic Publishers, Germany. Year: 2012. ISBN: 978-3659150708.
12. **Volumetric Analysis** for Semester I & II of CBCSS B.Sc. Complimentary Course of Mahatma Gandhi University, Kottayam published by Gayathri Publishers, Convent Road, Ernakulam. Year: 2011.

Lab manuals published

1. **Lab Manual on Microscale Volumetric Analysis for Complimentary Chemistry,** Published by Teresian Publishing House, Ernakulam Saritha Chandran A., Sicily Rilu Joseph, Year June 2019, ISBN: 978 8172 55 114 8
2. **Lab Manual on Microscale Volumetric Analysis for Core Chemistry,** Published by Teresian Publishing House, Ernakulam Saritha Chandran A., Sicily Rilu Joseph, Year June 2019, ISBN: 978 8172 55 113 1
3. **Chemistry Lab Manual for Engineering Chemistry** based on the syllabus of University of Calicut for MET's School of Engineering, affiliated to University of Calicut, Kuruvilassery, Mala, Thrissur, Kerala.

Other Publications as editor

1. Editor, International Journal of Chemical Sciences, a double blind peer-reviewed quarterly, published by St. Teresa's College (RNI Registration Number: KERENG/2020/79
2. Editor, Teresian Book of Research in Chemistry, Vol 1, December 2018, published by Teresian Publishing House. ISBN: 9788172551049
3. Editor, Proceedings of the UGC sponsored National Seminar Advancements in Polymer Science and Technology (2017) organized by the Dept. of Chemistry, St. Teresa's College, Ernakulam.
4. Editor, Book of Abstracts of the UGC sponsored National Seminar Advancements in Polymer Science and Technology (2017) organized by the Dept. of Chemistry, St. Teresa's College, Ernakulam.
5. Editor, Proceedings of the UGC sponsored National Seminar Challenges in Nanoscience and Technology, CNT-2011 (2011) organized by the Dept. of Chemistry, St. Teresa's College, Ernakulam
6. Editor, Book of Abstracts of the UGC sponsored National Seminar Challenges in Nanoscience and Technology, CNT-2011 (2011) organized by the Dept. of Chemistry, St. Teresa's College, Ernakulam.
7. Editor, newsletter, *Rasathanthra*, St. Teresa's College, Ernakulam (2010-11, 2011-12, 2018-19).

Online Courses Developed

1. **Essential Productivity Applications- One Week Online Student Development Programme** hosted by Teresian Teaching Learning Centre, St. Teresa's College in association with Kerala State Higher Education Council (One of the three Course Developers/Course Coordinators)

2. **Faculty Induction Program**- One Week Online Programme for Newly recruited faculty hosted by Teresian Teaching Learning Centre, St. Teresa's College (One of the three Course Developers/ Course Coordinators)

E-Contents Developed

Solid State

1. Introduction to syllabus https://youtu.be/jVFfczjllLI
2. Solid state introduction https://youtu.be/lqgnRmshi_Q
3. Crystal structure https://youtu.be/orB6zO5D4fQ
4. Unit cells https://youtu.be/4422JJj9v_s
5. Types of unit cells https://youtu.be/ycfE1eIUTLI
6. Bravais lattices https://youtu.be/LZtybKWUhI8
7. Crystal density https://youtu.be/h5g0Wsxpn2o
8. Miller indices https://youtu.be/l89ce3_A-PQ
9. Interplanar Spacing https://youtu.be/EUrA6fX0kRc
10. Adsorption Introduction https://youtu.be/9R6iXkmZasE

Chemical Kinetics

Foams: https://youtu.be/MTLsXt6xrhw

Chemical bonding

1. van der Waal's forces: https://youtu.be/tSfObI5xwWE
2. Metallic boding: https://youtu.be/0J9q4hwQ67w
3. Hydrogen bonding https://youtu.be/qfctSjfJTSk

1. Video tutorial on "Writing Group Project Reports Using Google Docs" on YouTube on 18th April 2020. https://youtu.be/6Bx4Hvz635w
2. Video tutorial on "Effective Use of MS Word for preparing Project Reports" on YouTube on 16th April 2020. https://youtu.be/_MBtedEsUaI
3. SLO- Role of Ca and ATP in muscle contraction. https://youtu.be/XA0AYWcxTdk
4. SLO- Composition and Organization of Skeletal Muscles. https://youtu.be/ijDuKB-42Zw
5. SLO- Conducting Polymers. https://youtu.be/a379o5c4ytU
6. UG Course materials shared with Kerala State Higher Education Council Topic: Covalent bonding. http://167.172.224.184/kshec_learning/materials.php?course_id=32.

Extension activities

- Coordinator, ***Teresian Rural Outreach Program*** (TROP), of the Department of Chemistry, St. Teresa's College, Ernakulam, Kerala; 2012-13.
- One of the Judges of the ***Resonance***, the Interschool Skit and Exhibition Competition organized as a part of the International Year of Chemistry Celebrations by Bharatiya Vidya Mandir, Girinagar, Ernakulam, Kerala; 1 December, 2011.
- One of the Judges of the Interschool Powerpoint Presentation Competition for Plus one and Plus two students on the topic ***Renewable Energy Resources*** to commemorate the International Year of Chemistry organized by at Bhavans Vidya Mandir, Girinagar, Ernakulam, Kerala; 29 October 2011.
- One of the Judges of the Interschool Powerpoint Presentation Competition, ***Navachar***, a part of the venture ***Avishkar Scientia Atomos 2011*** organized by Chinmaya Vidyalayam, Vaduthala, Ernakulam, Kerala; 22 October 2011.
- One of the Judges of the ***Interschool Scitoon and Extempore Speech Competition*** organized by Chinmaya Vidyalayam, Tripunithura, Ernakulam, Kerala; 2010.

Seminars/ Workshops/Orientations/Programmes organized

1. Organizing member, ISAS webinar on "Impacts of micro and nano plastics in the marine environment" organized by ISAS Kerala Chapter, ISAS Nagpur Chapter and ISAS Head Quarters; 17 April 2021.
2. Organizing member, ISAS webinar on "Advent of new non VdW solids in the realm of nanotechnology" organized by ISAS Kerala Chapter and ISAS Head Quarters; 20 March 2021.
3. Coordinator, Faculty Enrichment Programme on Quantum Mechanics from 18-22 January 2021 organized by the Teresian Teaching Learning Centre and Department of Chemistry and Center for Research, St. Teresa's College (Autonomous) in association with Chemical Research Society of India.
4. Organizing member, ISAS-K webinar series on "Introduction to Statistical Thermodynamics" organized by ISAS Kerala Chapter; 7-8 November 2020.
5. Organizing member, ISAS-K webinar series on "Application of Spectroscopic Techniques in Organic Chemistry" organized by ISAS Kerala Chapter 22 & 31 October 2020.
6. Organizing member, ISAS-K webinar series on "A Glimpse of Molecular Spectroscopy" organized by ISAS Kerala Chapter; 17-18 October 2020.
7. Organizing member, ISAS-K webinar series on "The Strange and Beautiful World of Quantum Mechanics" organized by ISAS Kerala Chapter; 10-11 October 2020.

8. Coordinator, Faculty Development Programme on ICT Tools in Teaching Chemistry from 2-6 September 2020 organized by the Teresian Teaching Learning Centre and Department of Chemistry and Center for Research, St. Teresa's College (Autonomous).
9. Convenor, One Week Faculty Development Programme on How Teachers can Make a Difference organized by Teresian Teaching Learning Centre in association with Teaching Learning Centre, IIT Madras from 3-7 August 2020.
10. Organizing member, National Seminar on e-Learning and MOOCs in Higher Education organized by MHRD & IQAC, St. Teresa's College under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching scheme of MHRD; 1 March 2019.
11. Organizing member, One week Faculty Development Programme of MOOCs and E-Content Development Organized by St. Teresa's College, Kottayam in association with Mahatma Gandhi University, Kottayam; 01-07 April 2019
12. Convenor, State Level Workshop for Laboratory Staff on First Aid and Safety Techniques, organized by Dept. of Chemistry, St. Teresa's College; 9 November, 2018.
13. Coordinator, Sr. Bertille Endowment Lecture Series, Lecture-II organized by Dept. of Chemistry, St. Teresa's College; 6 October 2018.
14. Coordinator, Student Enrichment Programme- Career Prospects of Women in Industry organized by Dept. of Chemistry, St. Teresa's College; 5 July 2018.
15. Coordinator, Lecture on "Bioenergetics" as part of Sr. Bertille Endowment Lecture Series organized by Dept. of Chemistry, St. Teresa's College; 7 October 2018.
16. Coordinator, Ozone Day Celebrations- Keep Cool and Carry On: The Montreal Protocol organized by Bhoomitra Sena Club and Dept. of Chemistry, St. Teresa's College; 16 September 2017.
17. Organizing committee member, Launching of Teresian Pubishing House and Book release organized by Dept. of Chemistry, St. Teresa's College; 14 November 2017.
18. Convenor of National Workshop on Microscale Techniques in Experimental Organic and Physical Chemistry organized by Dept. of Chemistry, St. Teresa's College; 2 & 3 November 2017.
19. Organizing Committee member, Seminar on GC-MS, LC-MS and NMR Spectroscopy organized by Indian Society of Analytical Chemists (ISAS), Kerala Chapter and Dept. of Chemistry, St. Teresa's College; 22 September 2017.
20. Organizing Committee member, Seminar on Exploring the Arctic; 24 August 2017
21. Organizing Committee member, Lecture on Molecular Spectrosopy- Sr. Bertille Endowment Lecture Series; 28 July 2017.
22. Organizing Committee member, Inaugural function of Chemistry Association for the year 2017-18 and Fresher's Day celebration; 4 July 2017
23. Convenor of UGC Sponsored National Seminar on Advancements in Polymer Science and Technology organized by Dept. of Chemistry, St. Teresa's College in association

with the Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology; 24 & 25 January 2017.

24. Coordinator, Inauguration of Golden Jubilee Celebrations of Department of Chemistry, St. Teresa's College, 4 July 2016.
25. Organizing Committee member of the National Science Day Celebrations organized by Dept. of Chemistry, St. Teresa's College; 7 Februray 2014.
26. Convener of Sr. Bertille Memorial Endowment Lecture Series Celebrations organized by Dept. of Chemistry, St. Teresa's College; 11 December 2013.
27. Organizing Committee member of the NAAC sponsored National Workshop on ***Equipping New Era Practitioners-Teaching, Learning and Evaluation"*** organized by Internal Quality Assurance Cell, St. Teresa's College; 20-21 June 2013.
28. Organizing Committee member of the ***Valedictory ceremony of the International Year of Chemistry Celebrations and Guruvandanam***, 20 December 2011.
29. Organizing Committee member of ***Chemexplore***, a Science Orientation Programme for BSc Chemistry students organized as a part of the International Year of Chemistry Celebrations, 13 December 2011.
30. Coordinator of ***Chemlore-2011*** competition for 8th to Plus two students as a part of the International Year of Chemistry, IYC 2011 Celebrations of the Department of Chemistry of St. Teresa's College, Ernakulam; October- November 2011.
31. Lecture Series on ***Chemistry - Our life, Our future*** funded by University Grants Commission as a part of the International Year of Chemistry Celebrations (IYC 2011) 27 & 30 October 2011.
32. Organizing Committee member of National Seminar on ***Best Practices in Research and Consultancy: Opportunities and Challenges*** organized by the Internal Quality Assurance Cell, St. Teresa's College; 20.10.2011
33. Organizing Committee member of the UGC Sponsored National Seminar on ***Challenges in Nanoscience and Technology, CNT-2011*** organized by Department of Chemistry, St. Teresa's College, Ernakulam; 27-28 July 2011.
34. Organizing Committee Member, ***Inauguration of International Year of Chemistry Celebrations***, IYC 2011; 11 March 2011.
35. Organizing Committee Member, ***National Science Day Celebrations and Sr. Bertille Memorial Endowment Lecture***; 22 February 2011.

Faculty development programs attended

1. **One week Faculty Development Programme on Capacity Building in Drafting Proposals for Funded Research** organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College University of Delhi under the Pandit Madan Mohan

Malavya National Mission on Teachers and Teaching of MHRD and St. Teresa's College (Autonomous), Ernakulam, Kerala from 5-11 October 2020 in Online Mode.

2. **One week National Faculty Development Programme on Development of Techer's e-Kit and MOOCS in Four Quadrant Format of e-Content** organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College University of Delhi under the Pandit Madan Mohan Malavya National Mission on Teachers and Teaching of MHRD and St. Teresa's College (Autonomous), Ernakulam, Kerala from 12-20 September 2020 in Online Mode.
3. **One Week Faculty Development Programme on Online Education in Higher Education Institutions** conducted by the Faculty Development Centre of the Kerala State Higher Education Council through online mode from 13-17 July 2020.
4. **Faculty Development Program on Research Methodology Tools and Techniques organized by IILM College of Engineering and Technology from 18-22 May 2020.**
5. **Online Faculty Development Programme on Examinations in Wake of COVID-19** on 8th May 2020 organized by Department of Commerce- Shift-II, Patrician College of Arts and Science, Chennai in association with Digital Edu IT solution.
6. ***Two Weeks FDP on "Managing Online Classes and Co-Creating MOOCs"*** held from 20th April to 06th May, 2020 organized by Teaching Learning Centre, Ramanujan College (University of Delhi), Kalkaji, New Delhi under PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING (PMMNMTT) of MHRD, INDIA.
7. **Online Certificate Course In-Linea: E-learning and Digital Culture** conducted by IQAC, Sir Syed College, Taliparamba during COVID Lockdown period.
8. ***Seven Day Faculty Development Programme on Capacity Building in Skill Development*** organized by St. Peter's College, Kolenchery in association with Mahatma Gandhi University, Kottayam; 04-10 March 2020.
9. ***One week Faculty Development Programme of MOOCs and E-Content Development*** Organized by St. Teresa's College, Kottayam in association with Mahatma Gandhi University, Kottayam; 01-07 April 2019.
10. ***One week Faculty Development Programme of MOOCs and E-Content Development*** Organized by MOOC Programme Coordination Cell, Mahatma Gandhi University, Kottayam in association with School of Computer Sciences, School of Pedagogical Sciences and University Centre for International Cooperation, Mahatma Gandhi University, Kottayam; 04-08 February 2019.
11. ***Science* Academies *Refresher Course in Chemistry*** organized by Progressive Education Society's Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16, Maharashtra, sponsored by Indian Academy of Sciences, Bengaluru, Indian National Science Academy New Delhi, The National Academy of Science, Allahabad from 27.11.2017 to 11.12.2017.

12. ***UGC Sponsored Refresher Course in Environmental Sciences*** for University/College teachers conducted by the UGC- Academic Staff College, University of Kerala, Kariavattom; 01.10.2012 to 22.10.2012 (22 days).
13. ***UGC Sponsored Orientation Programme*** (IT Oriented) for University/College teachers conducted by the UGC- Academic Staff College, University of Kerala, Kariavattom; 26.04.2011 to 23.05.2011 (28 days).

Webinars attended/ Online Courses done

1. **One Day National webinar on Promotional Avenues for Teachers in Higher Education, CAS Regulations 2018** organized by organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College University of Delhi under the Pandit Madan Mohan Malavya National Mission on Teachers and Teaching of MHRD on 5th September 2020.
2. **One Day National webinar on Towards Excellence in Higher Education in India in 21st Century** jointly organized by organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College University of Delhi under the Pandit Madan Mohan Malavya National Mission on Teachers and Teaching of MHRD and Union Christian College, Aluva on 28th August 2020.
3. **Webinar on Emphasizing Health Education on COVID-19** organized by Department of Chemistry and Center for Research, St. Teresa's College (Autonomous), Ernakulam on May 11, 2020.
4. **National Webinar Series on Academic Quality Enhancement through Outcome Based Education** organized by IQAC, St. Teresa's College on May 8, 2020.
5. Completed Online Certificate Course In-Linea: E-learning and Digital Culture conducted by IQAC, Sir Syed College, Taliparamba during COVID Lockdown period.
6. Attended a Webinar on "How to Conduct Online Classes for Students" and later took quiz for E-certificate on 8th April 2020 organized by Atal Incubation Centre-PEC, Foundation, Pondicherry Engineering College, Pillichavady, Puducherry under Niti Ayog, Govt. Of India on 6th April 2020.

Online Quizzes

1. Took "Stay home Stay Safe Corona Awareness Quiz "conducted online by Prof. Prashant G.Kumdale & Dr.Omprakash W.Jadhav, Department of Chemistry & IQAC Shivneri College Shirur Anantpal, Dist-Latur Maharashtra on 16th April 2020. No certificate
2. Took "COVID-19 AWARENESS QUIZ" organized by PG Department of Commerce (SF), Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu-620 020, India on May 6, 2020 and scored 85%. (certificate with no signature).
3. Passed a National Level Online BIOQUIZ on COViD-19 with a score of 95 % organized by Institution's Innovation Council, KASC-i-HUB, Intellectual Property

Rights Cell, PG and Research Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore on 8th may 2020. Yet to receive certificate

4. Best performer of Online Premier Quiz Competition conducted by Department of Political Science, St. Peter's College, Kolenchery. May- June 2020 on May 8, 2020.
5. Best performer of National Level Platinum Online Quiz Competition organized by Department of Political Science, St. Peter's College, Kolencherry, Kerala on 11 May 2020.
6. E-Quiz on Teaching Aptitude organized by PG Department of Commerce (SF), Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu-620 020, India on May 12, 2020 and scored 80% (certificate with no signature)
7. Quiz on Covid-19 Awareness Quiz organized by St. Teresa's College in association with NSS and Unnath Bharath Abhiyan during on May 11, 2020.

Seminars, Workshops and Orientations attended

1. ***Webinar on "How to Conduct Online Classes for Students"*** and later took quiz for E-certificate on 8th April 2020 organized by Atal Incubation Centre-PEC, Foundation, Pondicherry Engineering College, Pillichavady, Puducherry under Niti Ayog, Govt. Of India on 6th April 2020.
2. ***Workshop on Course Outcome Writing for Implementation of Outcome Based Education*** organized by IQAC, St. Teresa's College in association with Kerala Stae Higher Education Council; 24, 25 June 2019.
3. National Seminar on ***Advances in Nanomaterials and Polymers*** organized by Dept. of Chemistry, Bharatha Mata College, Ernakulam; 11-12 March 2014.
4. Interdisciplinary National Seminar ***Science Sans Borders*** organized by the Science Departments of Maharaja's College, Ernakulam sponsored by the Directorate of Collegiate Education, Govt. of Kerala; 7-8 November 2013.
5. National Seminar on Twenty Five Years of College Autonomy organized by Internal Quality Assurance Cell, St. Teresa's College; 24 October 2013.
6. UGC sponsored National Seminar on ***Microbiology and Microbial Technology*** organized by Dept. of Botany, St. Teresa's College; 7-8 October 2013.
7. ***National Level Orientation Programme in Academic Research*** organized by Teresaian Research and Consultancy Cell; 3 September 2013.
8. NAAC sponsored National Workshop on ***Equipping New Era Practitioners-Teaching, Learning and Evaluation"*** organized by Internal Quality Assurance Cell, St. Teresa's College; 20-21 June 2013.
9. UGC sponsored National Level Seminar on ***Modern Trends in Research-2012*** organized by the Teresian Research and Consultancy Cell (TRACC), St. Teresa's College; 5 December 2012.

10. Two day Workshop on ***Computational Chemistry- A Powerful Tool***, organized by PG Department of Chemistry and Research Centre, Maharaja's College, Ernakulam, Kerala in sponsored by Department of Higher Education, Government of Kerala; 1-2 November 2012.
11. UGC sponsored National seminar on ***Towards Green Consumerism-Innovative Approaches and Practices*** organized by the Department of Home Science, St. Teresa's College, Ernakulam; 9-10 Agust 2012.
12. International Conference on ***Nutritional Medicine, Health and Wellness*** organized by the Department of Zoology, St. Teresa's College, Ernakulam in collaboration with Dr. Rath Research Institute, USA; 7-8 June 2012.
13. Lecture Series on ***Chemistry - Our life, Our future*** funded by University Grants Commission as a part of the International Year of Chemistry Celebrations (IYC 2011) 27 & 30 October 2011.
14. National Seminar on ***Best Practices in Research and Consultancy: Opportunities and Challenges*** organized by the Internal Quality Assurance Cell, St. Teresa's College; 20.10.2011.
15. UGC Sponsored National Seminar on ***Modern Streams of Biochemistry*** organized by St. Albert's College, Ernakulam; 20.09.2011 & 21.09.2011.
16. UGC Sponsored National Seminar on ***Biopharmaceuticals*** organized by St. Mary's College, Thrissur; 26.08.2011 to 27. 08.2011.
17. UGC Sponsored National Seminar on ***Challenges in Nanoscience and Technology, CNT-2011*** organized by Department of Chemistry, St. Teresa's College, Ernakulam; 27-28 July 2011.
18. ***Erudite Programme*** - Lecture Series by Prof. May- Britt-Hagg, Department of Chemical Engineering, Norwegian University of Science and Technology (NTNU), Norway under the Erudite jointly organized by the Govt. of Kerala, Kerala State Higher Education Council and Mahatma Gandhi University, Kottayam; 04.04.2011 to 08.04.2011.
19. UGC sponsored National Seminar and Workshop on ***Animal Welfare and Humane Education*** organized by the Department of Zoology, St. Teresa's College, Ernakulam in collaboration with Mahatma Gandhi - Doerenkamp Center (MGDC), Bharathidasan University; 15.03.2011.
20. Talk on ***Chemistry at Cross Roads*** by Dr. E. P. Yasodharan, Assistant Professor, School of Environmental Studies, Cochin University of Science and Technology during the Inauguration of International Year of Chemistry, IYC 2011 Celebrations; 11.03.2011.
21. Talk by Dr. P. S. Parameswaran, Scientist G, National Institute of Oceanography, Cochin during the Inauguration of International Year of Chemistry, IYC 2011 Celebrations; 11.03.2011.
22. ***National Science Day Celebrations and Sr. Bertille Memorial Endowment Lecture*** organized by Department of Chemistry, St. Teresa's College, Ernakulam; 22 February 2011.

23. Seminar on ***Symmetry and group theory*** by Dr. Lovely Mathew, Assistant Professor, Department of Chemistry, Newman College, Thodupuzha, Kerala on 03.10.2010.
24. First Kerala Women's Science Congress- 2010 during 10.08.2010 to 12.08.2010 organized jointly by SHAKTI and St. Teresa's College, Ernakulam and held at St. Teresa's College, Ernakulam.
25. Seminar on ***Exploring life in the extreme*** by Dr. Sherin Cubelio, Scientitst, NGGRI, CMFRI, Cochin on 05.02.2010 organized by the Chemistry Association, ST. Teresa's College, Ernakulam
26. Workshop on ***Emerging trends in polymer applications*** organized by the Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Kerala, India on 04.01.2008.

Miscellaneous duties and positions held

1. Value Education (2021-22)
2. Coordinator, Teresian Teaching Learning Centre (2020-till date)
3. Joint Secretary, Association of St. Teresa's Alumnae (AstA) (2016-17, 2017-18, 18-19)
4. Admission Committee (2014-15, 2015-16, 16-17)
5. Staff Advisor, Writer's Forum (2016-17)
6. Member, Association of St. Teresa's Alumnae (AstA) (2015-16, 2019-20)
7. Mentor, Walk with a Scholar (2019-20, 2010-21, 2021-22)
8. Assistant Placement Officer (2013-14)
9. AQAR representative of the Department (2013-14)
10. Coordinator, Teresian Rural Outreach Program (TROP) (2012-13)
11. Staff in charge, Chemistry Association (2011-12, 15-16, 16-17, 18-19).
12. Staff Advisor, Arts Club (2011-12, 2012-13).
13. Counsellor for first year M.Sc Dietetics and Food Service Management (DFSM) Biochemistry Practical Paper (2010-11)
14. Staff Advisor, Career Guidance Cell, St. Teresa's College, Ernakulam (2010-11)

Personal details

Date of birth	:	9th May, 1980
Nationality	:	Indian
Sex and marital status	:	Female, Married
Religion and caste	:	Hindu, Nair

Languages known	:	English, Malayalam, Hindi
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