

**SREE NARAYANA COLLEGE, NATTIKA**

**FACULTY PROFILE**

**Name** : **REMYA L**

Designation : Assistant Professor

Department : Chemistry

Date of joining the service : 10-10-2012 FN at T K M M College, Nangiarkulangara

Total years of experience in UG & PG : UG & PG  
11 years 8 years

Date of joining in the present college : 04-06-2016

Qualifications with year of acquirement of each (NET/GATE/SLET) : CSIR/JRF( June 2010)  
GATE ( 2009)

Residential Address : Pongalil  
Valayanchirangara P O  
Perumbavoor, Ernakulam- 683556

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**Refresher/Orientation Attended :**

Name of Course	Period	Subject	University/Institution
Refresher	01/03/2017 to 21/03/2017	Nano Science	Swami Anandatheertha Campus, Payyannur, Kannur University.
Orientation	08/02/2018 to 07/03/2018		UGC-HRDC, Calicut University Campus.
Annual Refresher Programme in Teaching	01/09/2019 to 31/12/2019	General Chemistry	SWAYAM Platform

Short Term Training Program	13 July to 18 July 2020	Research Paper Writing	RSRI, Krishnagiri, Tamilnadu.
One week FDP	22 - 28, July 2021	“Multimedia Tools for Teaching and Learning”	Ramanujan College, Delhi University

**Membership of College level committee/ club :**

2023-24 : Fine arts coordinator, Member of Tutorial Committee, Quiz club, Member of Website committee.

2022-23 : Fine arts coordinator, Member of Tutorial Committee, Quiz club, Member of Website committee.

2021-22 : , Member of Tutorial Committee, Quiz club, Member of Website committee.

2020-21: Coordinator of E- Learning Centre, Quiz club, Member of Website committee.

2019-20: Coordinator of MOOCs. Member of ASAP, Science Club, Quiz club, Human Rights and Health and Hygiene, Member of Website committee.

2018- 19: Coordinator of MOOCs. Member of ASAP, Science Club, Human Rights and Health and Hygiene.

2017- 18: Coordinator of MOOCs. Member of ASAP, Science Club, Human Rights and Health and Hygiene.

2016- 17:

2015-16: Co-ordinator of Energy Conservation Club and also a member of Career Guidance Cell and Dance and Theatre club.

2014-15: Member of Energy Conservation Club, Career Guidance Cell and Dance and Theatre club.

2013-14: Member of Energy Conservation Club, Career Guidance Cell and Dance and Theatre club.

**Whether acted as Chairman/Deputy Chairman/Member in the University/Govt/Quasi govt board/Chief/Additional Examiner**

Appointed as the member of the Board of Question setters of VI Semester UG Degree Examination March 2024 of Kannur University.

Appointed as the Nodal Officer of Calicut university PG admission 2021.

Appointed as the member of the Board of Question setters of VI Semester UG Degree Examination March 2020 of St. Berchmans College (Autonomous), Changanassery.

Appointed as Internal mentor of the Walk With Scholar programme (WWS) organized by Higher Education Department in the academic year 2019-20.

Appointed as External examiner for conducting S<sub>4</sub> BSc Core and complementary, S<sub>6</sub> B Sc Core, S<sub>2</sub> & S<sub>4</sub> M Sc, Practical Examinations under Kerala and Calicut University.

Internal mentor of Scholar Support programme(SSP) organized by Higher Education Department in the academic year 2014-15 and 2015-16.

Appointed as Additional Examiner for UG valuation under Kerala University and UG & PG Valuation under Calicut University.

**Whether invited as external expert :**

Acted as a resource person for a workshop on computational chemistry organized by Post graduate Department of Chemistry of St. Aloysius college, Thrissur.

**UG/PG project guideship** (give details): Guided the students of sixth semester BSc chemistry for their project as a part of curriculum.

Year	Title of Project	No. of Students
2014	Study of Quantity of Casein present in different samples of milk	5
2015	A Critical Study of the Quality Parameters of water from different zones of Alappuzha District	5
2016	Estimation Of Iron Content In Leafy Vegetables	5
2017	Characterisation of Edible Oils	5
2018	Soil Analysis	5
2019	Analytical Study Of Water Safety Parameters In Drinking Water Source Of Thalikulam Panchayath In Thrissur District-After The Deluge 2018	6
2020	Theoretical Study Of Stabilisation Of Hf Dimer Via Hydrogen Bonding	6
2021	TECHNIQUES FOR THE EXTRACTION OF BIO-ETHANOL FROM VARIOUS SOURCES- A COMPREHENSIVE REVIEW	5  5

2022	WORK HONOURED BY NOBEL PRIZES IN CHEMISTRY FOR THE PAST FIVE YEARS - A COMPREHENSIVE REVIEW	5
2023	THEORETICAL STUDY OF HYDROGEN BOND STRENGTH OF H <sub>2</sub> O DIMER AND H <sub>2</sub> O TRIMER	5

**Whether registered for Ph. D.** (give details & specify the no: of years completed as research scholar):

Topic	Quantum Mechanical Analysis of Structure and Reactivity of Hypervalent Iodine Complexes
Centre	Department of Chemistry, Farook College, Calicut.
Name & Address of the Guide	Dr. Sajith P.K., Assistant Professor, Department of Chemistry, Farook College, Kozhikode.
Period	31-10-2018 to 30-10-2024
No: of years completed	5 years

**Whether availed FDP** (give details):No

**Papers published** :

State level	National	International
		1

**Papers presented in Conferences** :

State level	National	International
		1

**Faculty as Resource person** :

State level	National	International
4		

**Seminars attended** :

State level	National	International
2	7	

### **Conferences attended**

State level	National	International
	1	2

### **Workshop attended**

State level	National	International
4	3	

### **Collaboration with other Institutions**

State level	National	International
2		

**Research Experience** : Worked as Junior Research Fellow in Organic Chemistry at CUSAT during the year 2011.

**Seminars organized** :1) Coordinator of Ozone Day Celebrations - 2019, sponsored by Kerala State Council of Science Technology and Environment (KSCSTE) on 24.09.2019

2) Coordinator of Two Day Workshop on Learning Management System for Teaching, Learning and Assessment, organized by Sree Narayana College, Nattika on 27<sup>th</sup> and 28<sup>th</sup> January 2020.

3) Co-ordinator of International Youth Day celebrations-2020 conducted by the department of Chemistry on 12th August 2020.

**4) Coordinator of National Science day celebrations 2021 conducted by the dept of chemistry on 27.02.2021**

**2022- Coordinator**

- 1) International Mole Day celebrations 2022**
- 2) Induction programme for first year students**

**2023- Coordinator**

- 1) World ozone day celebrations 2023**

**Workshops organized : Coordinator of Two Day Workshop on Learning Management System for Teaching, Learning and Assessment, organized by Sree Narayana College, Nattika on 27<sup>th</sup> and 28<sup>th</sup> January 2020.**

**Co-ordinated One Day Exhibition 'CHEMEXPLORERS - A Hands-On Chemistry Adventure for Young Minds' on January 15th 2024**

proposed/ ongoing/completed - state separately

Full details needed i.e. topic,

date, year, fund, Sponsors

Co-sponsors, No. of external & internal participants, resource persons

Signature of teacher

\*Please give full details of papers published with journal name, title of paper, month & year of publication, national/international/state level, co-authors etc. in a separate sheet of paper.

\*Please give the above details for seminar papers also and furnish full details of seminars /conferences/workshops attended.

**Use separate sheets of paper if needed, for furnishing all the specified details.**

## **Papers published**

1. *J. Phys. Chem. A* 2024, 128, 4, 727–737

Publication Date: January 22, 2024

<https://doi.org/10.1021/acs.jpca.3c06378>

## **Seminars attended**

1. Participated in a National seminar on '**Frontiers in Polymer Science and Rubber Technology**' organized by the Department of Chemistry, St. Paul's College, Kalamassry on 4<sup>th</sup> and 5<sup>th</sup> December 2014.

2. Participated in the National Seminar on '**Recent Trends in General Chemistry**' organized by the Department of Chemistry, Bishop Moore College, Mavelikkara on 16<sup>th</sup> and 17<sup>th</sup> October 2015.

3. Participated in the Two Day National Seminar on '**Electrochemistry-Fundamentals to Application**', organized by Govt. Victoria College, Palakkad on 22<sup>nd</sup> and 23<sup>rd</sup> October 2018.

4. Participated in the International Conference on '**Emerging Frontiers in Chemical Sciences, EFCS- 2019**' organized by Farook College, Kozhikode from 13<sup>th</sup> to 15<sup>th</sup> December, 2019.

5. Participated in National Seminar on '**Recent Trends in Computational Chemistry and Drug Design**', organized by St. Joseph's College, Irinjalakuda on 28<sup>th</sup> & 29<sup>th</sup> January 2019.

6. Participated in the **State Level Webinar 'SAAC: Context And Content'** organized by Sree narayana College, Nattika on 25<sup>th</sup> July 2020.

7. Participated in the E-Darshan Webinar Series-2020 on 'Online Resources for Teaching Chemistry' organized by TKMM College, Nangiarkulangara, on 6<sup>th</sup> June 2020.

8. Completed **Two Day online course on 'Elemental Arts: Evolution of Modern Periodic Table'**, organized by Sree Krishna College of Engineering and Technology, Coimbatore, on May 1<sup>st</sup> & 2<sup>nd</sup>, 2020.

9. Participated in the **Faculty Enrichment Programme in Computational Chemistry** organized by Baseliious College, Kottayam in association with CRSI from 16 - 22, December 2020.

10. Participated in the National Conference on '**Emerging Frontiers in Chemical Sciences, EFCS- 2022**' organized by Farook College, Kozhikode on January 19 & 20, 2023.

11. Participated in the International Conference on '**Emerging Frontiers in Chemical Sciences, EFCS- 2023**' organized by Farook College, Kozhikode on Dec 15 - 17, 2023 and **presented a poster**.

### **Workshops attended**

1. Participated in the '**Workshop on Academic Writing and Publishing**' organized by the Kerala State Higher Education Council at Regional Telecom training Centre, Thiruvananthapuram on 24<sup>th</sup> and 25<sup>th</sup> March 2015.
2. Participated in the '**Workshop on Virtual Labs and Online Learning Management System**' organized by MHRD on 8<sup>th</sup> March 2015.
3. Participated in the Two Day Training Programme on **Effective Course Delivery Using MOODLE** on 19<sup>th</sup> and 20<sup>th</sup> May 2017.
4. Participated in the DCE sponsored Three Day **National Workshop on Computational Skills in Chemistry** organized by Govt. Victoria College, Palakkad from 16<sup>th</sup> to 18<sup>th</sup> November 2017.
5. Participated in the **Two Day Hands-on-workshop on Molecular Biology Techniques and Bioinformatics** held at Sree Narayana College, Nattika on 17<sup>th</sup> and 18<sup>th</sup> January 2018.
6. Completed one week **Short Term Training Program on Research Paper Writing** from 13 July to 18 July 2020 organized by RSRI, Krishnagiri, Tamilnadu.
7. Participated in the **Online Workshop of Mendeley Software for citation and references, organized on** May 24, 2020.

### **Faculty as Resource person**

- 1) Associated as Resource person in the Thrissur District level Bala Sasthra Padanolsavam conducted by Kerala Sasthara Sahithya Parishath at Sree Narayana College, Nattika on 20<sup>th</sup> and 21<sup>st</sup> January 2018.
- 2) Associated as Mentor with Sasthrapadam, a Science Enrichment residential camp, organized by Samagra Shiksha, Kerala, held at Sree Narayana College, Nattika from January 25 to 27, 2020.
- 3) Associated as Resource Person for a workshop in Computational Chemistry conducted by St. Aloysius College, Thrissur on 16<sup>th</sup> October 2023.
- 4) Acted as a resource person for a workshop on computational chemistry organized by Post graduate Department of Chemistry of St. Aloysius college, Thrissur.

### **Collaboration with Other Institutions**



- 1) Conducted the Preliminary level and the District level Power Quiz-2015, in collaboration with KSEB at TKMM College, Nangiarkulangara on 29/09/2015 & 12/11/2015 respectively.
- 2) Conducted Water Analysis after the Deluge 2018, in collaboration with Sasthra Sahithya Parishath and Health Centre of Thalikulam Panchayath during the month of October 2018.
- 3) Completed the Three Months Certificate Course in 'Molecular Docking and Drug Design' organized by Sacred Heart College, Thevara from 2<sup>nd</sup> October 2018 to 15<sup>th</sup> December 2018.

#### **Institutional/Industrial Visits**

- 1) Visited National Institute For Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram on 06-10-2015, as a part of Curriculum.
- 2) Visited Bharat Chemical Industries at Beloor, Kanataka, on 04-12-2018, as a part of Curriculum.
- 3) Visited National Institute For Interdisciplinary Science and Technology (NIIST) and Global Science Fest, at Thiruvananthapuram on 09/02/2024, as a part of Curriculum.