

## Faculty Profile

### 1. Personal Information:

Name: **Dr. Resmi Mohan**  
Designation: Assistant Professor  
Department: Chemistry  
E-mail: resmimohan@svrnsscollege.com  
Service (in years): 2

### 2. Educational Qualifications:

SI. No.	Name of the Program/ Test	Institution & University/ Agency	Year
1	<b>PhD</b>	University of Cologne, Germany	2011
2	<b>JRF</b>	CSIR	2005
3	<b>MSc</b>	Mahatma Gandhi University, Kerala, India	2004 (1 <sup>st</sup> Rank)

### 3. Career Profile:

SI. No.	Name of the Institution	Designation	Period of Service
1	Sree Vidyadhi Raja NSS College, Vazhoor	Assistant Professor	2 years
2	NSS College, Pandalam, Kerala, India	Guest Lecturer	10 months
3	NSS Polytechnic College, Pandalam, Kerala, India	Guest Lecturer	4 months

4	Radboud University, Nijmegen, Netherlands	Postdoctoral Fellow	10 months
5	School of Chemical Sciences, Mahatma Gandhi University, Kerala, India	Guest Faculty	9 months
6	National Institute of Interdisciplinary Science and Technology (CSIR), Thiruvananthapuram, Kerala	Project Assistant	19 months

#### 4. Area of Specialization/Research Interests:

➤ Organic Chemistry

#### 5. Research Publications:

SI.No.	Details of article
1.	Enantiopure N-Benzyloxycarbonyl- $\beta^2$ -amino Acid Allyl Esters from Racemic $\beta$ -Lactams by Dynamic Kinetic Resolution using <i>Candida antarctica</i> Lipase B. Eleonora Gianolio, <b>Resmi Mohan</b> , Albrecht Berkessel. <i>Adv. Synth. Catal.</i> 2016, 358, 30-33. DOI: 10.1002/adsc.201500820
2.	Enzymatic Dynamic Kinetic Resolution of Oxazinones A New Approach to Enantiopure $\beta^2$ -Amino Acids. Albrecht Berkessel, Ilona Jurkiewicz, <b>Resmi Mohan</b> . <i>ChemCatChem</i> 2011, 3, 319-330. DOI: 10.1002/cctc.201000343
3.	Reactions of Morita-Baylis-Hillman Acetates with Huisgen Zwitterions: A Novel Strategy for the Synthesis of $\beta$ -Amino Acid Derivatives. Anu Jose, Rony Rajan Paul, <b>Resmi Mohan</b> , Smitha C. Mathew, A. T. Biju, Eringathodi Suresh, Vijay Nair. <i>Synthesis</i> 2009, 11, 1829- 1833. DOI: 10.1055/s-0028-1088063
4.	Reactions of Dimethoxycarbene-DMAD Zwitterion with 1,2-Diones and Anhydrides: A Novel Synthesis of Highly Substituted Dihydrofurans and Spirodihydrofurans. Vijay Nair; Ani Deepthi; Manojkumar Poonoth ; Bindu Santhamma; Sreekumar Vellalath; Beneesh Patoorpadu Babu; <b>Resmi Mohan</b> ; Eringathodi Suresh. <i>J. Org. Chem.</i> 2006, 71, 2313. DOI: 10.1021/jo052429k

5.	N-Heterocyclic Carbene Catalyzed Reaction of Enals and 1, 2 Dicarboxyl Compounds: Stereoselective Synthesis of Spiro -Butyrolactones. Vijay Nair.; Sreekumar Vellalath; Manojkumar Poonoth; <b>Resmi Mohan</b> ; Eringathodi Suresh. Org. Lett. 2006, 8, 507. DOI: 10.1021/ol052926n
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## 6. Seminars /Workshops Attended/Papers Presented/ Invited talks

SI.No	Venue & Name of the program	Participation/ Invited/ Contributory	Title of the Paper, if any
1	<i>Seven Day Webinar Series</i> organized by Internal Quality Assurance Cell (IQAC), SVR NSS College, Vazhoor from 11-08-2021 to 28-08-2021.	Participation	
2	National Webinar, "An Introduction to the World of Nanoscience and Nanotechnology", organised by the Department of Physics in association with IQAC, SVR NSS College, Vazhoor, on 29th July, 2021.	Participation	
3	Webinar on 'Research Indicators' organized by IQAC, SVR NSS College, Vazhoor on November 2020	Participation	
4	Two Day Online Workshop on "Creation of Instructional Videos and Recording" organized by Internal Quality Assurance Cell, NSS College Pandalam, 13 & 14 May 2020	Participation	
5	International Symposium on Organocatalysis ISO $\mu$ 2010, Muelheim an der Ruhr, Germany; July 2010.	Participation	
6	Marie Curie-Research Training Network "REVCAT", 4th Network Meeting, Amsterdam, The Netherlands, November 2008.	Presentation	Screening of Bifunctional Organocatalysts using Phosphonates as Transition State Analogs
7	Catalysis Lowers Barriers: Groningen Meets Cologne, Joint seminar of the research group of Prof. Ben Feringa, Groningen, The Netherlands and of Prof. Albrecht Berkessel, Cologne, Germany; June 2008.	Participation	

8	Marie Curie-Research Training Network "REVCAT", 3rd Network Meeting, Cambridge, England, April 2008.	Presentation	Screening of Bifunctional Organocatalysts using Phosphonates as Transition State Analogs
9	Marie Curie-Research Training Network "REVCAT", 2nd Network Meeting, Como, Italy, October 2007.	Presentation	Screening of Bifunctional Organocatalysts using Phosphonates as Transition State Analogs
10	Marie Curie-Research Training Network "REVCAT", 1st Network Meeting, Maastricht, The Netherlands, April 2007.	Presentation	Screening of Bifunctional Organocatalysts using Phosphonates as Transition State Analogs
11	International Symposium on Advances in Organic Chemistry; Kottayam, India; January, 2006	Participation	

## 7. Programs Organized

SI. No.	Name of the Program	International/National /Regional	Funding Agency
1.	Webinar on Fundamentals of Plastic Processing Techniques, May 2022	Regional	
2	Webinar on New Aged Conjugated Polymer Nanocomposites Based Coatings and Their Applications, July 2021	National	
3	World Environment Day Poster Competition, June 2021	Regional	

## 8. Positions held or holding if any

SI. No.	Details
1	<b>Sree Vidyadhi Raja NSS College Vazhoor</b>
	<ul style="list-style-type: none"><li>• Tutor, Chemistry 2022-2024 Batch</li><li>• Member of Admission Committee 2022-23</li><li>• Member of Admission Committee 2021-22</li><li>• Tutor, Chemistry 2019-2021 Batch</li></ul>

## 9. Courses attended for Professional Development:

SI. No.	Name of the course	Organizing Institute	Period
1	Faculty Development Programme on Developing Positive Mental Health for Teaching-Learning Environment	Guru Angad Dev Teaching Learning Centre (A centre under Ministry of Education under PMMMMNMTT) and Guru Tegh Bahadur Khalsa College, University of Delhi	25-01-2022 to 31-01-2022
2	Faculty Development Programme on Digital Tools in Teaching	Guru Angad Dev Teaching Learning Centre (A centre under Ministry of Education under PMMMMNMTT) and Providence Women's College, Calicut	23-11-2020 to 27-11-2020

## 10. Awards/Recognitions:

- Marie-Curie Early-Stage Researcher Fellowship (2007)
- Summer Fellowship, Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR), Bangalore (2005)
- Rajiv Gandhi Science Talent Research Scholar, Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR), Bangalore (2004)
- Summer Fellowship, Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR), Bangalore (2004)