



# VIDYAVARDHAKA COLLEGE OF ENGINEERING

Accredited by NAAC with 'A' grade

P.B. No.206, Gokulam, III - Stage, Mysuru - 570 002, Karnataka, INDIA.

## DEPARTMENT OF CHEMISTRY

Accredited by NBA, New Delhi (01.07.2017-30.06.2020)

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## FACULTY PROFILE

Name of the Faculty	Dr. SOWMYA P T
Designation	Assistant professor
Contact Numbers	Office: 0821 4276258 Mobile: +91 9008196715
Email ID	<a href="mailto:sowmyapt@vvce.ac.in">sowmyapt@vvce.ac.in</a>



### Educational Qualification

Degree	Specialization	Year of Graduation	University
Ph.D	Chemistry	2017	University of Mysore
5 yr Integrated M.Sc.	Chemistry	2011	University of Mysore

### Work Experience

Teaching	Research	Industry
3 years	5 years	8 months

### Publications

Journals	Conferences
International 7	International/National -

### Areas of Interest

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>Liquid crystal</li> <li>Natural Products</li> <li>Synthetic organic chemistry</li> </ol> | <ol style="list-style-type: none"> <li>Material Science</li> <li>Bioorganic</li> </ol> |
|---|--|

### Subjects Taught

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>Organic Chemistry- Heterocyclic chemistry, Natural Products, Asymmetric synthesis</li> <li>Analytical Chemistry</li> <li>Organic Spectroscopy</li> </ol> | <ol style="list-style-type: none"> <li>Inorganic Chemistry</li> <li>Physical Chemistry</li> </ol> |
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### In-House Experience

Sl. No.	Designation	Period	
		From	To
1.	Assistant Professor	16/01/2019	Till date

## Outside Experience

Sl. No.	Designation	Organization	Period	
			From	To
1.	Assistant Professor	Sarada Vilas College (PG Dept of Chemistry)	29/08/2018	12/01/2019
2.	Assistant Professor	Regional Institute of Education, Mysuru	10/07/2017	27/04/2018
3.	Teaching Assistant (DST-INSPIRE Fellowship) Senior Research Fellow	DOS in Chemistry, Manasagangothri, UOM	Sept-2013	May-2014
4	Teaching Assistant (DST-INSPIRE Fellowship) Junior Research Fellow	DOS in Chemistry, Manasagangothri, UOM	Sept-2012	May-2013
5	Research Associate-I	Syngene International Ltd, Biocon, Bengaluru	18/07/2011	09/03/2012

## Membership in Professional Bodies/University Bodies/Organizations

1. Indian Science Congress- Life Member

## Publications

### International Journals

1. *Synthesis and characterization of new homologous series of unsymmetrical liquid crystalline compounds based on chalcones and 3,5-disubstituted isoxazoles* Sowmya P T, Lokanatha Rai K M *Journal of Chemical Sciences*, 2017, 129, 67-73.
2. *Synthesis and Liquid Crystalline Properties of a New Homologous Series of 4,5-Disubstituted 2H-[1,2,3]-Triazoles via Azide-Chalcone Oxidative Cycloaddition Reaction* Sowmya P T, Lokanatha Rai K M *Australian Journal of Chemistry*, 2017, 70, 764-768.
3. *Preparation and mesomorphic properties of new liquid crystalline 4,5-Diaryl 2H-[1,2,3]-triazole derivatives* Sowmya P T, Mahendra K, R, Lokanatha Rai K M *JCBPS*, 2017, 7, 345-355.
4. *Mosquito larvicidal efficacy of a novel phenethylamide derivative isolated from *Spilanthes mauritiana* DC* K P Prathibha, P T Sowmya, V A Vijayan *International Journal of Green and Herbal Chemistry*, 2015, 4, 68-77.
5. *One-Pot Synthesis of 5, 6-Dihydro-4H-1,2-Oxazines by Cyclization of Ketoximes with Derivatives of Allylbenzene* Raad Kasim Yahyaa, K.M. Lokanatha Rai, Ebraheem Abdu Musad and P T Sowmya *Journal of advances in Chemistry*, 2015, 6, 884-890.
6. *Preparation of mineral soybean oil middle alkyd resins for the precursors for enamel paint* Kallashettihally Rangappa Mahendra Palahally Thimmappa Sowmya, Kuriya Madavu Lokanatha Rai *JCBPS*, 2016, 6, 1429-1436.

7. *T3P mediated multicomponent synthesis of quinazolines derivatives and evaluation of their mesomorphic studies* Mahendra K R, Tanuja S B, **Sowmya P T**, K M Lokanatha Rai **JCBPS**, 2017, 7, 334-344.

#### **International/ National Conferences**

1. Participated in Two day National Conference on *The Emerging Areas In Chemistry -2009 NACEAC, DOS in Chemistry, Manasagangothri, Mysuru.*
2. Participated in Two day International Lecture Series On *Bio-Prospecting For Sustainable Development, 2012, Institution of Excellence, University of Mysore.*
3. Participated in Three day International Conference on *Recent Advances In Material Science & Technology-2013, Department of Chemistry, NITK, Surathkal.*
4. **Presented** a paper at 32<sup>ND</sup> Annual National Conference- *Indian Council Of Chemists-2013, Karnataka University, Dharwad.*
5. Participated in Two day International Symposium on *Chemical Biology-Drug Discovery-2014, University of Mysore.*
6. Participated in National Seminar on *Material Science and Engineering (Nsmse)-2014, JSS College of Arts, Commerce and Science. Mysuru.*
7. Participated in the Two days National Conference on *Recent Trends In Bioorganic Chemistry and its Application to Society (RTBAS)- 2014, Sarada Vilas College.*
8. **Presented** a paper in Three days National Conference on *Pure and Applied Chemistry (NACOPAC)- 2014, University of Mysore.*
9. Participated in One day National Seminar on *Chemistry and Chemical Biology-2015, University of Mysore.*
10. Participated in Seminar on *Benefits Of Nuclear and Material Sciences In Day To Day Life (Bnms)- 2015, Indian Nuclear Society and University of Mysore.*
11. *Participated in the 103<sup>rd</sup> Indian Science Congress-2016, University of Mysore.*
12. **Presented** a paper in *XL Indian Social Science Congress, University of Mysore.*
13. *Participated in a Two-day Seminar and Exhibition on Energy Mix: Need for the Nation- 2017, National Institute of Engineering, Mysuru.*
14. *Participated in a One-day National Level Conference on Emerging Trends in Nano-Chemistry (NCETNC) 2017, MMK and SDM Mahila Maha Vidyalyaya, Mysuru*

#### **Faculty Development Programmes/Training Programmes Participated**

1. Five days Training programme on Personality Development and NLP-2019, Vidyavardhaka College of Engineering, Mysuru.

## Workshops Attended

1. One day Technical Workshop on *Exploring Scifinder for Scientific Research in Academia*- 2014, Mysore University Library, Manasagangothri.
2. Three Days Workshop On *Handling Of Scientific Equipment-IOE, 2014, Institution of Excellence, Vignana Bhavan, Mysuru.*
3. Three Days Workshop on *Computational Methods in Small Molecule and Bio-Pharmaceutical Drug Discovery- 2015, In association with Schrodinger Inc, USA, University of Mysore.*
4. Seven Days Workshop on *NMR/MRI From Molecules to Human Behavior, 2015, Department of Science and Technology (DST), University of Mysore.*
5. Two Days National Workshop on *Technical writing and Publications, Grant Proposals, funding Agencies and Soft skills in Scientific Research-2019, University of Mysore.*
6. Five Days workshop on *Interactive Research orientation workshop-2019, Department of ECE, Vidyavardhaka College of Engineering, Mysuru., Mysuru.*

## Invited Lectures

-NIL-

## College Level Committee

**Coordinator**

-NIL-

**As a member**

**NBA criterion 7**

**Course coordinator for ME and CIV**

## Department Level Committee

**Coordinator**

**NBA**

**As a member**

**-NIL-**

## Additional Responsibilities

-NIL-

## Awards/Recognition/Achievements/Others

1. Worked as **Invited lecturer** for 5-year Integrated M.Sc in Molecular biology of Yuvaraja's college, Mysuru.
2. **Best Oral Paper Presentation Award** at the *National Conference on Pure And Applied Chemistry (NACOPAC-2014)*, Organised by the DOS in Chemistry, UOM, Mysuru FROM 29-31<sup>ST</sup> December, 2014
3. **Member**, Apex Body of *Sensitization to Prevention and Rederssal of Sexual Harrasment (SPARSH) 2014-2016*, UoM, Mysuru.
4. Qualified **Karnataka State Eligibility Test (KSET-UGC)** for Assistant Professorship in 2013.
5. Awarded **INSPIRE Fellowship** from Department of Science and Technology (DST), GoI, to pursue PhD, 2012-2017.

**6. Secured 1<sup>st</sup> rank in 5-yr Integrated M.Sc., 2011, University of Mysore**

**7. Summer Research Fellow, *Department of Inorganic and Physical Chemistry, IISc, Bengaluru*, from July to September, 2010**