

## Faculty Profile



**Name** : Dr. M.SIVADHAYANIDHY  
**Designation** : Associate Professor  
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**Date of Joining in Collegiate Education** : 28.02.2011  
**Date of Joining in the Present College** : 07.08.2011

### Academic Profile

Degree	Institute/College	University	Period
B.Sc., Chemistry	CIT, Coimbatore	Bharathiar University	1989-1992
M.Sc., Chemistry	CIT Coimbatore	Bharathiar University	1993-1995
M.Phil. Chemistry	CIT Coimbatore	Bharathiar University	1995-1997
Ph.D Chemistry	CBM Coimbatore	Bharathiar University	2001-2009

### Teaching Experience in Government Service

i) **Total** : **12.5 Years**  
ii) **UG** : **12.5 Years**  
iii) **PG** : **12.5 Years**

Name of the college	Position held	Period
Amrita Institute of Technology & Polytechnic, Coimbatore.	Lecturer	1993-2003
Amrita Vishwa Vidhapeetham, Coimbatore.	Assistant Professor	2004 - JAN 2011
OttyGovt. Arts College,	Asst. Professor	28.02.2011 –08.09.2011 AN

Chikkanna Govt. Arts College, Tirupur-641602.	Asst. Professor	08.09.2011 – 01.03.23
Chikkanna Govt. Arts College, Tirupur-641602.	Associate Profeseor	01.03.23 – Till date

### Honors and Research Awards

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- In appreciation to the service rendered to Sabarimala, received the appreciation certificate from the Government of Kerala on 2012-13.

### Field of Interest

- i) **Teaching** : Electro Chemistry, Polymer Chemistry  
 ii) **Research** : Polymer Chemistry  
 iii) **Proficiency in instrumentation** : IR and UV

### Research Guidance

#### Guidance Number

: M.Phil : 20378-1/A2/2015 & 24/02/2015

S. No	M.Phil/ Ph.D	Name of the Student	Thesis Title	Completed /ongoing
1.	M.Phil	Ms. S. BHARKAVI	A STUDY ON ELELCTROCATALYSIS	Completed, Nov -2016.

### Funded Projects

UGC – Minor Research Project, Graphite Oxide based Composites for degradation of organic wastes via greener route, F.No: 4-4/2015-16(MRP/UGC SERO, dt. Oct 2016). Proposal No. 2052.

**Electrodeposition of Al-Li Alloys For Cryo And Space Application** PI: Dr. T.G. Satheesh Babu, Prof. T. Ramachandran and Dr. M. Sivadhayanithy, Sponsor: ISRO, Trivandrum. Duration of the Project: 2 years

### Membership in Professional Bodies

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S. No	Name of the Professional Body	Membership Detail with Number
1.	Indian Society for Technical Education	Life Member

### Research Publications

- i) **Research Papers** : **See Annexure – I**
- ii) **Book/Book Chapters** : Engineering Chemistry –Amrita University
- iii) **National and International Conferences** : **See Annexure – II**

### Conference/Seminars Organized :

- Organizing Committee Member, 19<sup>th</sup> State level two days conference on “Quality Higher Education for Everyone – Challenges and Achievements”, conducted by Tamilnadu Government Collegiate Teachers Association (TNGCTA) at Bharathiar University, Coimbatore, 5 & 6 January 2019.
- Organizing Committee Member, National Conference on Simulation and Modeling in Computational Chemistry (2008-2009) at Amrita University.

### Workshop /Training courses attended :

- National workshop on “Theory and Practice of Advanced Techniques for the Characterization of Nanomaterials”, 20<sup>th</sup> & 21<sup>st</sup> January 2011, conducted by PSG College of Technology & PSG Institute of Advanced Studies, Coimbatore.
- Training course on thermal analysis, 3<sup>rd</sup> June 2009, conducted by TA instruments, Bangalore at Hotel Residency, Coimbatore.
- One day transition course on ISO 9001:2008, 2<sup>nd</sup> May 2009, organized by Zandig Knowledge Management Pvt Ltd, Bangalore at Hotel Legends Inn, Coimbatore.
- One day faculty training workshop on “How and Why of value Education”, 6<sup>th</sup> Feb 2009, conducted by Mechanical and Humanities Department, PSG College of Technology, Coimbatore.
- One day Workshop on “Research Methodology for College Teachers”, 3<sup>rd</sup> Dec 2005, Educational Technology Centre, PSG College of Technology, Coimbatore.
- Workshop on Spectroscopy and its applications, 26-27 Feb 2005, Kongunadu College of Arts and Science, Coimbatore.
- National Workshop-cum-Symposium on complex fluids, 3-7 Dec 2002, Indian Institute of Science, Bangalore.
- Instrumental evaluation and curriculum planning and Design, 06 Jan 2001, Educational Technology Centre, PSG College of Technology, Coimbatore.
- Training course on internal quality audit training, 01-02 Nov 2000, Zandig TQM Solutions Private Limited at PSG College of Technology. Coimbatore.

**Resource Person/Invited Lectures :**

- Delivered a Special Lecturer at Maharaja Engineering college, Coimbatore 2013-14.

**Faculty Development Programs Attended :**

Course	University/Institute	Subject	Period
Orientation course	University of Madras, Chennai.	General	May 04 - June02, 2011
Refresher Course	Academic Staff College, Bharathiar University, Coimbatore	Chemistry	Aug 16- Sep 5, 2013
Refresher Course	Academic Staff College, Bharathiar University, Coimbatore	Env-Chem	May10-30, 2017
Refresher Course	Academic Staff College, Bharathiar University, Coimbatore	Human Rights	Sep 12 - 25, 2019
Refresher Course	Academic Staff College, Bharathidasan University, Coimbatore	Material Science	July 05- 18,2022

**Academic Activities****i) Subject Handled**

- Organic Chemistry, Physical Methods in Chemistry (Spectroscopy), Polymer Technology, General Chemistry, Allied Chemistry, Gravimetric and Physical Chemistry Laboratory and all Practical courses.

**ii) Class Advisor**

- 2013-2016 Batch B.Sc., Chemistry
- 2019-2021 Batch M.Sc., Chemistry
- 2022-2025 Batch B.Sc., Chemistry

**iii) Student Community Beneficial Activities**

- Acted as Judge for Science Exhibitions held at various Government Schools, conducted by the Govt. of Tamilnadu.

**iv) Co-curricular and extra-curricular activities**

- Department Library In-charge from 2012-13.
- Department exam In-charge from 2015-16.

**Professional Activities**

- Member of Board studies CIT, Coimbatore (1999-2001)
- Member of Board studies, Amrita, Coimbatore (2003-2006)
- Executive committee member (NSS, Amrita)

- (i) Supported as Observer / Representative for National Testing Agency (MHRD, India) exams (NEET,

**Examiner:**

- Bharathiar University theory and practical External Examiner.
- Theory and practical External Examiner for Autonomous Colleges.

## **Annexure – I**

### **Research Papers**

#### **Papers Published in International Journals**

1. Photocatalytic Reaction Pathway and Mechanism of Degradation Of Pesticide Using Nano Catalysts, Franklin Ebenazer, P. Vijayan, N. Sampath kumar, **M. Sivadhayanidhy\***, *J. Environ Nanotechnol.* Vol.7, No.2. pp 26-30, (2018).

[doi:10.13074/jent.2018.06.182311](https://doi.org/10.13074/jent.2018.06.182311)

2. **M. Sivadhayanithy**, L. Ravikumar, “Design and synthesis of new thermally stable polyesters”, *High performance polymer*, Vol. 19, Page. 62. (2007)

<https://doi.org/10.1177/0954008306069394>

3. **M. Sivadhayanithy**, L. Ravikumar , T.Ramachandran “Synthesis and characterization of thermally stable novel polymers containing phenylthiourea, azo and sulfone groups in the backbone”, *J. Chil. Chem. Soc.*, Vol. 3, Page.52. (2007 )

<http://dx.doi.org/10.4067/S0717-97072007000300007>

4. . **M. Sivadhayanithy**, L. Ravikumar , T.Ramachandran, “Thermally stable polymers containing phenylthiourea, azo and ether groups in the backbone”, *International journal of Applied chemistry*, Vol. 3, pp. 3 (2007)

<https://www.ripublication.com/Volume/ijacv3n3.htm>

## Annexure – II

### National and International Seminar/Conferences

#### Participated

1. Tamilnadu State Council for Science and Technology sponsored one day national seminar on smart and functional materials, 2<sup>nd</sup> August 2019, conducted by PSG College of Arts and Science, Coimbatore.
2. All India Federation of University and College Teachers Organizations (AIFUCTO), XXXI Academic Conference, 23<sup>rd</sup> to 25<sup>th</sup> November 2018, organized by JAC(MUTA, TNGCTA & AUT) Tamilnadu, Kanyakumari.
3. A one day state level seminar on “Higher Education for All”, 12<sup>th</sup> October 2015, organized by Tamilnadu College Teachers Association, Chennai.
4. IISC Sponsored, Science Academies Lecture Workshop on Recent Advances in Chemical Sciences (RACS -15) organized by Department of Chemistry, Karunya University, Coimbatore, Feb 18<sup>th</sup> and 19<sup>th</sup> 2015.
5. UGC sponsored one day seminar on “NAAC BENCHMARKING POINTERS”, 10<sup>th</sup> Jan 2015, conducted by IQAC, Chikkanna Government Arts College, Tirupur.
6. UGC Sponsored two day state level seminar on ‘Nanotechnological Treatment of Dyeing Unit Effluents’ by the Physics Department, Chikkanna Government Arts College, Tirupur, March 7-8, 2013
7. UGC sponsored national conference on “Advanced Materials for the Emerging Technologies”, 11<sup>th</sup> & 12<sup>th</sup> July 2013, conducted by Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.
8. State level Seminar on Recent Advances in Conducting Polymers, 30-31 Mar 2005, Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore.

#### Paper Presented/Published in National and International Conferences:

1. A. Franklin Ebenazer, N.Sampathkumar, P. Vijayan, **M. Sivadhayanidhy**, Semiconductor - sensitized photocatalytic degradation using graphite oxide composite via greener route, International Conference on Frontier Areas in Chemistry, organized by The American College, Madurai, 17-19 July 2018.
2. A. Franklin Ebenazer, N.Sampathkumar, P. Vijayan, **M. Sivadhayanidhy**, Photocatalytic degradation of Dichlorvos using graphite oxide composite with addition of Oxidant via Greener

route, International Conference on Recent Trends in Applied Science and Technology, Organised by Periyar University, Salem, 23-25 August 2018.

3. A. Franklin Ebenazer, N.Sampathkumar, P. Vijayan, **M. Sivadhyanidhy** . Photocatalytic decomposition of pesticide Dichlorvos using nano catalyst via Greener route, National Seminar on current innovations and Future perspectives in Nanoscience and Technology, 01-Feb-19