



Name : Dr. S.DHANALAKSHMI  
Department : CHEMISTRY  
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Experience in Teaching : 14 YEARS  
Experience in Research : 6 YEARS  
Education Qualification : M.Sc., M.Phil., Ph.D.,

#### Titles of Dissertation

M.Phil., : GUEST HOST INTERACTION IN THE ALKALINE FADING OF  
ROSANILINE CATALYSED BY BETA-CYCLODEXTRIN  
Ph.D., : ENVIRONMENTAL APPLICATIONS OF CHALCOGENS  
INCORPORATED NANOCOMPOSITES

Areas of Specialization: Physical Chemistry and Material Science

#### Courses Attended:

Name of the Course	Academic Staff College, University	Duration in Days	From – To
Orientation course	UGC-Academic Staff College, Madurai Kamaraj University, Madurai	28 days	9.2.2011 to 8.3.2011
Refresher Course in Chemistry	UGC-Academic Staff College, Madurai Kamaraj University, Madurai	21 days	5.11.2013 to 25.11.2013
Refresher Course in	UGC-Human Resource Development Centre,	21 days	16.11.2018 to

Chemistry	Madurai Kamaraj University, Madurai		6.12.2018
Online Refresher Course in Chemistry	UGC-Human Resource Development Centre, Gujarat University, Ahmedabad	14 days	16.08.2021 to 29.08.2021
Faculty Development Programme on “Data Analysis Using R”	Teaching Learning Centre, Ramanujan College, University of Delhi	7 days	15.6.2021 to 21.6.2021
Faculty Development Programme on “Advanced Pedagogical Techniques”	Teaching Learning Centre, Ramanujan College, University of Delhi	7 days	30.06.2021 to 06.07.2021

Project:

Major	Funding Agency	Minor	Funding Agency
NA			

Seminars Organized as convenor / co-ordinator: NA

Workshop Organized as convenor / co-ordinator: NA

### Seminars, Workshops and Conferences Attended – 13

State level Seminars / Workshops / Conference

National level Seminars / Workshops / Conference

International level Seminars / Workshops / Conference

<b>Name of the seminar/ Conference/ Symposia workshop etc.</b>	<b>Place &amp; Date</b>
National Level Conference on Recent Advances in the Study of Transition Metal Complexes	Department of Chemistry, VHNSN College, Virudhunagar on 13 <sup>th</sup> & 14 <sup>th</sup> August 2008
One Day International Seminar on Recent Advances in Chemistry ( ReSAC-10)	DST-FIST Sponsored Department of Chemistry, VHNSN College, Virudhunagar on 10 <sup>th</sup> March 2010
National Seminar on Emerging Trends in Chemistry (ETC -2011)	DST-FIST Sponsored Department of Chemistry, VHNSN College, Virudhunagar on 28 <sup>th</sup> & 29 <sup>th</sup> July 2011
One Day Seminar on Recent Advances in Chemistry	DST-FIST Sponsored Department of Chemistry, VHNSN College, Virudhunagar on 8 <sup>th</sup> February 2013
Guest Lecture programme- 2014	DST-FIST Sponsored Department of Chemistry, VHNSN College, Virudhunagar on 22 <sup>th</sup> December 2014
Academy Lecture Workshop on Emerging Trends in Chemical Sciences	DST-FIST Sponsored Department of Chemistry, VHNSN College, Virudhunagar on 9 <sup>th</sup> to 11 <sup>th</sup> October 2015
National Seminar on Recent Advances in Chemical Research (RACR – 2017)	DST-FIST Sponsored Department of Chemistry, VHNSN College, Virudhunagar on 24 <sup>th</sup> and 25 <sup>th</sup> JAN 2017.
National Seminar on Recent Advances in Bioinorganic and Medicinal Chemistry (RABAMCHEM – 2017)	DST-FIST Sponsored Department of Chemistry, VHNSN College, Virudhunagar on 15 <sup>th</sup> FEB 2017.
Two Day National Seminar on	DST-FIST Sponsored Department of

Frontier Areas in Chemical Sciences (FACS – 2017)	Chemistry, VHNSN College, Virudhunagar on 22 <sup>th</sup> and 23 <sup>th</sup> JUNE 2017.
Two day National Conference on Recent Developments in the applications of TMC in Bioinorganic and Medicinal Chemistry ( RATMCBMC- 2017)	DST-FIST Sponsored Department of Chemistry, VHNSN College, Virudhunagar on 14 <sup>th</sup> and 15 <sup>th</sup> JULY 2017.
Three days Training Programme on “PROMISING SOLUTION FOR PLASTIC POLLUTION”	DST-FIST Sponsored Department of Chemistry, VHNSN College, Virudhunagar on 26, 27 & 28 <sup>th</sup> September, 2017
Three day Academy Lecture Workshop on EMERGING TRENDS IN CHEMICAL SCIENCES, sponsored by INDIAN SCIENCE ACADEMIES (IAS, INSA, NASI)	DST-FIST Sponsored Department of Chemistry, VHNSN College, Virudhunagar from 27.09.2018 to 29.09.2018.
National Seminar on RECENT ADVANCES IN CHEMICAL RESEARCH under UGC Autonomy Grant	DST-FIST Sponsored Department of Chemistry, VHNSN College, Virudhunagar on 22 August 2019.

#### Papers Presented - 4

Paper Presented in State level Seminars / Workshops / Conference

Paper Presented in National level Seminars / Workshops / Conference

Paper Presented in International level Seminars / Workshops / Conference

1. One Day National Seminar on **RECENT ADVANCES IN BIOINORGANIC AND MEDICINAL CHEMISTRY ( RABAMCHEM-2017)** organized by the Department of Chemistry, VHNSN College (Autonomous) Virudhunagar on 15.02.2017.
2. **Template free facile synthesis of morphological nanostructure with efficient photocatalytic Activity** in two day **International Conference (ICONNECT – 2K17)** organized at K.Ramakrishnan College of Technology, Trichy on 28<sup>th</sup> and 29<sup>th</sup> March, 2017.
3. International Conference on **RECENT ADVANCES IN MATERIALS FOR ENERGY AND ENVIRONMENTAL REMEDIATION (RAMEER-2018)** organized by the PG and Research Department of Chemistry, VHNSN College (Autonomous), Virudhunagar on 28.6.2018 and 29.6.2018.
4. CuS incorporated Gd<sub>2</sub>O<sub>3</sub> nanorods: Facile Synthesis and an Enhanced Photocatalytic performance under UV light in the two day International Conference on **RECENT TRENDS IN CHEMISTRY AND BIOSCIENCES (ICRTCB-2019)** organized by the

Department of Inorganic Chemistry, School of Chemistry, Madurai Kamaraj University,  
Madurai-21 on 16.5.2019 and 17.5.2019.

**Books Published:**

Chapter in Book - NA

Books Edited - NA

**Research Publications: 5**

Research Publications in International Journals

Research Publications in National Journals

Research Publications in Edited Books

Degree	Awarded	Submitted	Guiding
Ph.D.	NA		
M.Phil	NA		

1. Guest - host interactions in the alkaline bleaching of triphenylmethane dyes catalysed by  $\beta$ -cyclodextrin, V.Raj, A Sarathi, T Chandrakala, **S Dhanalakshmi**, R Sudha and K Rajasekaran, *J.Chem. Sci.*, 121, 2009, 529.
2. **S. Dhanalakshmi**, P. Senthil kumar, S. Karuthapandian, V. Muthuraj, N .Prithivikumar, "Design of Gd<sub>2</sub>O<sub>3</sub> nanorods: a challenging photocatalyst for the degradation of neurotoxicity chloramphenicol drug", *Journal of Materials Science: Materials in Electronics*, <https://doi.org/10.1007/s10854-018-00656-4>.
3. A. Mathi Vathani, **S. Dhanalakshmi**, N. Prithivikumar, "Synthesis and electrochemical studies on Cu-TiO<sub>2</sub> thin films deposited by spray pyrolysis technique for sensing Uric acid", *International Journal of Nano Dimensions*, 10 (3) (2019) 230-241.
4. A. Mathi Vathani, **S. Dhanalakshmi**, N. Jeyakumar, N. Prithivikumar, "Fabrication of Al-TiO<sub>2</sub> thin film electrode by spray pyrolysis technique for urea sensing" *Journal of Nanoscience and Nanotechnology*, 20, (2020), 2887-2892 (6).
5. **S. Dhanalakshmi**, A. Mathi Vathani, V. Muthuraj, N. Prithivikumar,

Swaminathan Karuthapandian, "Mesoporous Gd<sub>2</sub>O<sub>3</sub>/NiS<sub>2</sub> Microspheres: A Novel Electrode for Energy Storage Applications", Journal of Materials Science: Materials in Electronics, <https://doi.org/10.1007/s10854-020-02858-1>

### **Resource Person**

Acted as Resource Persons – International level - NA

Acted as Resource Persons – National level - NA

Acted as Resource Persons – State level -- 1

One day 'Training Workshop on spectroscopic Measurements and Analysis' on 5.10.2019.  
( Organized by DST-FIST Sponsored Department of Chemistry, VHNSN College, Virudhunagar )

Co-Ordinator:

Board of Studies Member - NA

Honours Achieved - NA

Extension Activities - NA

Others