

DR. S. SHANMUGA SUNDARI

Assistant Professor

Department of Chemistry

Dr.Ambedkar Govt. Arts College
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PERSONAL DETAILS**NAME : S. SHANMUGA SUNDARI****DESIGNATION : Assistant Professor of Chemistry****ACADEMIC QUALIFICATION :**

Examination	Subject(s)	Name of the Board / University	Year of Passing	Percentage of marks obtained	Division / Class / Grade
SSLC	Tamil,.English, Maths, Science, Social Science	Board of Secondary Education, Tamilnadu	1987	84	I with Distinction
HSC	Tamil, English, Maths, Chemistry, Physics, Biology	Board of Higher Secondary Education, Tamilnadu	1989	85	I
Under Graduate	Chemistry	University of Madras	1992	76.69	I
Post Graduate	Chemistry	University of Madras	1994	61.8	I
M.Phil	Physical chemistry	University of Madras	1995	67	I
Ph.D	Polymer chemistry	University of Madras	2002		HIGHLY COMMENDED

TEACHING EXPERIENCE

P.G. level :12..... Years

U.G. level :12..... Years

Designation	Department	College	Date	
			From	To
Assistant Professor	Chemistry	Government College for Women (Autonomous), Kumbakonam.	01/03/2011	30/04/2013
Assistant Professor	Chemistry	Dr.Ambedkar Govt. Arts College, Vyasarpadi, Chennai	02/05/2013	Till Date

AREA OF SPECIALISATION

- Polymer Chemistry

RESEARCH SUPERVISOR

Course	Year	Research Project
M.Phil.	August 2015	Microwave Assisted Sulphonation and Characterisation of some statins (Pitavastatin, Atorvastatin and Simvastatin)
	August 2018	Study on Corrosion Inhibition of Tabernaemontana Divaricata Extract on Mild Steel in Acidic Environment
M. Sc.	April 2013	Kinetic Studies on Oxidation of Glucose by Insulin and Yeast in the presence of Aqueous Extract of Seeds of Eugenia jambolana
	April 2013	In-vitro Studies on Nitric Oxide and Hydroxyl Radical Scavenging Assay of Aqueous Extract of fruits of Momordica charantia (Bitter melon)
	April 2013	Superoxide Radical and Hydroxyl radical Scavenging Assay of Aqueous Extracts of seeds of Trigonella foenum - Graecum (Fenugreek)
	March 2017	Evaluation of Antioxidant Characteristics of a Siddha Drug (Thiriphalai Chooranam)

MEMBERSHIP IN PROFESSIONAL BODIES

1. Life Member in Indian Society for Technical Education

PUBLICATIONS IN INTERNATIONAL/NATIONAL JOURNALS

1. S. Shanmuga Sundari, "Kinetic And Mechanistic Investigations of the Polymerisation of Methacrylamide by Manganic ion – 3- Mercaptopropionic acid Redox System", Acta Ciencia Indica , Vol. XXXVC, No.2, 149` (2009)
2. S. Shanmuga Sundari & S. Subbu, " Kinetics of Polymerisation of some Vinyl monomers by Mn (III) – Aspartic acid Redox systems", Asian Journal of Chemistry Vol. XVIII , No. 1(2006), 503 -508.

PARTICIPATION IN CONFERENCE/WORKSHOP

- i. Participated in the UGC sponsored workshop on Awareness of Protecting our Environment conducted on 28. 02. 12 by Fifth Part Extension Activities, Government College for Women (Autonomous), Kumbakonam.
- ii. Participated in the National Conference on "Energy, Environment And Climate Change", organized by Dept. of Chemistry, presidency College during 18 – 19 July 2013
- iii. Participated in the National Conference on " Recent Advances in Nanotechnology" conducted during the Diamond Jubilee Celebration of Justice Basheer Ahmed Sayeed Collegefor Women (Autonomous) on 21 January 2015.
- iv. Participated in the one day State Level Seminar on "Higher Education for all" organized by Tamil Nadu Government College Teachers Association Held at University of Madras on 12 October 2015.
- v. Participated in The Faculty Development Programme on "Characterization of Materials" held at Sri Sairam Institute of Technology on 20 -21 July 2017.
- vi. Participated in National Conference on "Recent Advances in Material Science and Technology" held at Ethiraj College for Women on 12 -13 February 2018.
- vii. Participated in UGC sponsored Refresher Course in Chemistry held at University of Madras from 23.08.2018 to 12.09.2018.
- viii. Participated in the State Webinar on "Online Yoga" conducted by Vivekananda College of Arts and Science for Women, Thiruchengode on 29.05.2020.

- ix. Participated in National Webinar on “Leadership Talk with Dr. Nilesh N Oak (Expert in Indian civilization and history)” conducted by MHRD’s Innovation Cell, Govt of India on 30.05.2020.
- x. Participated in International Webinar on “Smart Topics in Chemistry” conducted by Government Arts College, Trichy conducted from 01.06.2020 to 020.06.2020.
- xi. Participated in State level Webinar on “Assembled Advance Organic Materials” conducted by National College, Trichy on 03.06.2020.
- xii. Participated in International Webinar on “Medicinal Chemistry” conducted by Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai on 05.06.2020.
- xiii. Participated in International Webinar on “Functional Property and band gap engineering of ZnO-GaN Alloys” conducted by Jayaraj Annapackiam College for Women, Periyakulam conducted on 08.06.2020.
- xiv. Participated in National Webinar on “Research Methodology” conducted by Loyola College, Chennai from 12.06.2020 to 13.06.2020.
- xv. Participated in National Webinar on “Recent trends in COVID 19” conducted by R.M.K. Engineering College, Chennai on 14.06.2020.
- xvi. Participated in National Webinar on “Role of Nanomaterials in Electrochemical devices and Photocatalysis” conducted by M.G.R. Educational and Refresh Institute on 15.06.2020.
- xvii. Participated in the National Webinar on “Organic Synthesis and Synthon Approach” and “Cheminformatics” conducted by Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai on 16.06.2020.

ORIENTATION AND REFRESHER COURSES

COURSE	NAME OF ASC	FROM	TO
Orientation	Tamil Nadu State Council For Higher Education & UGC Academic Staff College, University of Madras, Chennai.	04.05.11	02.06.11
Refresher Course in Instrumentation & Sciences	UGC Academic Staff College, University of Madras, Chennai.	28.11.13	18.12.13
Refresher Course in Chemistry	UGC Academic Staff College, University of Madras, Chennai.	23.08.2018	12.09.2018
Refresher Course (Online) on Science and Technology	UGC, HRDC, Mizoram University	28.09.2021	11.10.2021