

Govindammal Aditanar College for Women, Tiruchendur
Faculty profile



1. Name (in Block Letters) : **Dr. A. SUGANTHI**
2. Department : Physics
3. Qualification : M.Sc., M.Phil., PGDCA Ph.D.,SET.,
4. Present Designation : Associate Professor
5. Contact No. : 9445295202
6. Email id : suguvenkat2009@gmail.com
- Vidwan id : 594181
- Vidwan Link : <https://vidwan.inflibnet.ac.in/profile/594181>
7. Date of joining : 27.12.2006
8. Field of specialization in research : Nanoscience & Nanotechnology
9. Title of the Thesis : Synthesis, Characterization and Applications of Pure and doped Copper Oxide nanoparticles by microwave assisted solvothermal route

10. Orientation/FDP programmes/other short-term courses attended

S. No.	Name of the course	University/ Institute	Duration in days	From - To	Online /offline Program
1.	Launch Pad - LLC	Manonmanium Sundaranar University, Tirunelveli	1	21.08.2013	offline
2.	Recent Trends in Applied physics & Material Science	Dept. of BS & H,QISCET, Ongole	5	08.06.2020 — 12.06.2020	Online

3.	Emerging Trends in Science & Technology	Easwari Engineering College, Ramapuram	5	01/07/2021 – 06/07/2021	Online
4.	Naan Muthalvan	Manonmaniam Sundaranar University, Tirunelveli	5	30/01/2023 – 03/02/2023	Online

11. Participation /Presentation in seminar/workshop/symposia/conference:

Sl.No.	Level (State/national/ international)	Participation /presentation	Title of the paper presented	Title of the seminar / workshop/symposia/conf erence(Specify online/offline)	Date and Venue
1.	Regional	Participation	-	Crystal Growth & Nanoscience	30.08.2007– 01.09.2007, Aditanar Colleg of Arts & Science, Tiruchendur
2.	State	Participation	-	Crystal Growth & Nanotechnology	18.09.2008, Aditanar College of Arts & Science, Tiruchendur
3.	National	Participation	-	Recent Advancement in Nanoscale Research	24.08.2012 & 25.08.2012, Anna University, Chennai, Madurai Region, Madurai
4.	University	Participation	-	Crystal Growth & Nanotechnology	29.01.2014, Aditanar College of Arts & Science, Tiruchendur
5.	-	Participation	-	“Current Trends in Nanotechnology”	5.2.2016 & 6.2.2016, Mepco Schlenk Engin eering College, Sivakasi, Tamilnadu.

6.	International conference	Presentation	Optical and structural characterization of manganese doped copper oxide nanoparticles	A New Horizon in Materials	11.03.2016, Sarah Tucker College, Tirunelveli, Tamilnadu. (Best Poster Presentation)
7.	International conference	Presentation	Characterization of cobalt (2% & 4%) doped CuO nanoparticles', in International conference on functional materials	Functional materials	7-10, September 2016, . PSN College of Engineering and Technology, Tirunelveli, Tamilnadu.
8.	National conference	Presentation	Structural and optical studies of transition metal doped copper oxide nanoparticles by solvothermal technique	Current Advancement in Physics	3.2.2017 & 4.2.2017, St. John's College Palayamkottai, Tamilnadu.
9.	National conference	Presentation	Effect of Nickel doping on the structural and optical properties of Cuprous oxide nanoparticles	Recent development in Material Science	19 th February – 2018, Sarah Tucker College, Palayamkottai, Tamil Nadu.
10.	National Conference	Presentation	Characterization and antibacterial activities of Cu ₂ O nanoparticles	Chemistry of Materials NCCM-2018	10 th & 11 th October 2018, Research Department of Chemistry, Sadakathullah Appa college (Autonomous), Tirunelveli, Tamil Nadu.
11.	State	Participation	-	Geo Physics'	23 rd January – 2019, Wawoo Wajeetha Women's college of Arts & Science, Kayalpatnam, Tamil Nadu.
12.	-	Participation	-	NDLI	21.05.2020, Govindammal Aditanar College for Women, Tiruchendur.

13	International	Participation	-	Advanced Materials	03.06.2020, LRG Government Arts College, Tirupur
14	National	Participation		Creative Writing of Research Proposals & Articles.	04.06.2020, Adikavi Nannaya University, Rajamahendravaram
15	-	Participation	-	Emerging trends in Nano - Materials for Microwave, Integrated Electronics and Cancer Applications.	04.06.2020, GMR Institute of Technology, Rajam, Andhra Pradesh
16	National	Participation	-	Unveil the molecules : A computational Material science perspective	05.06.2020, Hindusthan college of Engineering and Technology, Coimbatore.
17	-	Participation	-	Lecture Series on Spectroscopy and its perspectives	05.06.2020, Sacred Heart College, Tirupattur
18	-	Participation	-	Nanoscience- Future	08.06.2020, Muthayammal college of arts & science, Rasipuram.
19	-	Participation	-	Webinar on Tetrahertz spectroscopy : Forbidden gap transforming into an advanced application	09.06.2020, Holy Cross college, Tiruchi.
20	-	Participation	-	Webinar on Marvels & Mysteries of the Universe	09.06.2020, Pope's college, Sawyerpuram
21	National	Participation	-	Webinar on Nanomaterials for solar cell Applications	10.06.2020, Academy of Maritime Education and Training (AMET)
22	-	Participation	-	Webinar on Green Materials for Environmental Sustainability	12.06.2020, St. Joseph's college of Engineering, Chennai.

23	-	Participation	-	Webinar on introduction to Metaloxide Nanostructures for sensing Applications	15.06.2020, Sathyabama Institute of Science and Technology.
24	-	Participation	-	Workshop on Effective online Teaching Methodologies	21.06.2020, Govindammal Aditanar college for women, Tiruchendur.
25	International	Participation	-	Advanced Materials And their Applications	25.01.2023, Aditanar College of Arts & Science, Tiruchendur

12. Research publications:

Sl.No	Name of the Journal, Vol. & Issue no., year, pp. no. & ISSN no.	Title of the paper	UGC CARE listed journal (Yes / No)	Author Order
1	International Journal of Current Science Research vol. 2, no. 3, 2016 pp. 497 – 502.	Solvothermal synthesis and characterization of manganese doped copper oxide flower like nanostructures', ,	Yes	1
2	International organization of Scientific Research, vol. 1, 2017 pp. 43 – 48, ISSN: 2278 – 4861.	Optical and electrical properties of solvothermally synthesized manganese doped cuprous oxide nanoparticles	Yes	1
3	International Journal of Research and Analytical Reviews, vol. 6, no. 2, 2019, pp. 644 – 651, E-ISSN: 2348 – 1269, P – 2349-5138.	Structural, Optical and Antibacterial analysis of copper oxide nanoparticles',	Yes	1
4	Wesleyan Journal of Research, vol. 24. No. 8, 2020, p 466 – 478, ISSN 0975-1386.	Antibacterial Activity of Silver Doped Copper Oxide Nanoparticles Synthesized by Microwave Irradiation Method	Yes	1

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13. Seminars /Workshops / Enrichment programmes organized

Sl.No.	Date	Name of the programme	Level (National/State /University/college	Role
1	24.06.2020 to 27.06.2020	E-Quiz on “Fundamental Physics”	National	Member
2	22.10.2020	E-Quiz on “General Physics”	College	Member
3	22.01.2021	E-Quiz on “Fundamental Physics”	College	Member
4.	24.04.2021 to 26.04.2021	E-Quiz on” Basic Physics for +2 Students”	School	Member
5	16.10.2021	E-Quiz on “Conceptual Physics”	College	Member
6	11.10.2022 to 12.10.2022	“Practical Enrichment Programme” for +2 Students.	School	Member

7	5.10.2023 to 6.10.2023	“Practical Enrichment Programme” for +2 Students.	School	Member
8.	9.10.2024	“Practical Enrichment Programme” for +2 Students.	School	Coordinator

14. Administrative / Other Experience:

- **Coordinator – Skill Development Programme from 2013 onwards**
- **Convener - Quiz Club from 2010 onwards**
- **Member – Placement Cell from 2006 to 2009**