

Faculty Profile Page Layout



- **Name:** S.SANGEETHAVANATHI.
- **Designation:** Head of Department.
- **Department:** ELECTRONICS
- **Contact Details:** Email: rameshvanathi@gmail.com

Brief Bio:

Mrs. S.Sangeethavanathi is a fulfilled academician and researcher, serving as Head and Assistant Professor in the Department of Electronics at Sri Vasavi College, Erode. Pursuing Ph.D. in Electronics at Erode arts and Science college in the field of Thin films. She has guided M.Phil. Scholars, Wish to work in a technically stimulating environment and to contribute for the academic excellence of students' community and continuous learning of new skills.

Education:

Qualification	Board / University	Year of Completion
HSC	State Board	2001
UG	Bharathiar University	2004
PG	Bharathiar University	2006
M.Phil.	Bharathiar University	2010
Ph.D.	Bharathiar University	2026

Certifications (if any):			
Title of Certification	Offering Institution	Duration	Year of Completion
Spoken Tutorial Project, IIT Bombay. (Arduino)	Sri Vasavi College, Self-Finance Wing, Erode		2020

FDP ATTENDED

- Participated seven days FDP programme on Research Methodology from 06.07.2022 to 11.07.2022 organized by ST.Anne's Arts and Science college.
- Participated seven days FDP programme on Be a Branded Teacher in Digital Era from 15.12.2023 to 21.12.2023 organized by Shree Venkateshwara Arts and Science college.
- Participated seven days FDP programme on Latest Trend and Techniques in Software Engineering from 20.01.2024 to 27.01.2024 organized by CHRIST University.
- Participated seven days FDP programme on Transforming Healthcare from 03.12.2024 to 09.12.2024 organized by Navarasam Arts and Science college.
- Participated Five days FDP programme on Empowerinf Educators from 25.12.2024 to 29.11.2024 organized by Selvamm Arts and Science college.

Research

- **Research Areas/Interests:**
 - Thin Films.
- **Publications:**
 1. Sangeethavanathi, P. Gowthaman, S. Vigneswaran, Facile hydrothermal synthesis of Cu doped MoS₂ nanoparticles for enhanced dye-sensitized solar cell performance, Inorganic Chemistry Communications, 171 (2025) 113653. <https://doi.org/10.1016/j.inoche.2024.113653>
 2. S. Sangeethavanathi, P. Gowthaman, S. Vigneswaran, M. Sathishkumar, Exploring the Structural, Optical and Surface Area Properties of MoS₂ Nanoparticles, Material Science Research India, 21 (2) (2024) 84-92. <http://dx.doi.org/10.13005/msri/210204>
 3. S. Sangeethavanathi, P. Gowthaman, S. Vigneswaran, Enhanced Photovoltaic Performance of Dye Sensitized Solar Cells using synergistically Co-doped FeCu@MoS₂ counter electrodes, Nano Trends, 12 (2025) 100157.

<https://doi.org/10.1016/j.nwnano.2025.100157>

4. S. Vigneswaran, P. Gowthaman, S. Sangeethavanathi, M. Sathishkumar, Preparation and Characterization of CuFeS₂ Nanoparticles Synthesized via Hydrothermal Method, International Journal for Research in Applied Science & Engineering Technology, 12 (4) (2024) 232-237. <https://doi.org/10.22214/ijraset.2024.62599>
5. S. Vigneswaran, P. Gowthaman, S. Sangeethavanathi, Enhanced photocatalytic degradation of Cr(VI) and oxytetracycline using CuFeS₂ @Zn composites, ChemPhysMater, 4 (3)(2025) 296-312. <https://doi.org/10.1016/j.chphma.2025.01.004>
6. S. Vigneswaran, P. Gowthaman, S. Sangeethavanathi, Enhanced Cr(VI) Degradation Efficiency of Zn doped CuFeS₂ Composites under visible light irradiation, Journal of Sol-Gel Science and Technology.

BOOK:

1. INTERNATIONAL CONFERENCE on EMERGING TRENDS IN SCIENCE AND TECHNOLOGY (ETST 2023) 11th, April 2023, LASER PARK PUBLISHING HOUSE, R.S. Puram, Coimbatore - 600 002. Tamilnadu. ISBN: 978-93-92032-41-7

TOPIC: Harvesting energy from human activity .Ferroelectric energy harvesters for portable, implantable and biomedical electronics.

2. INTERNATIONAL CONFERENCE on EMERGING TRENDS IN SCIENCE AND TECHNOLOGY (ETST 2024) 6th and 7th March, 2024, Hindusthan college of arts and science, Coimbatore. ISBN: 978-81-969837-0-3

TOPIC: Thin film deposition by spray pyrolysis techniques.

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- Patents Granted:

NIL

- Ongoing Projects:

- NIL.

2. Experience

Total work experience as on (10.12.2025)		17 Years, 4 Months	
Institution Name	Designation	Period from	Period to
Sri Vasavi College, Erode	Head and Assistant Professor	12.06.2006	Till date

3. Achievements

4. Professional Engagement

- Memberships:
 - BOS Member both UG and PG
Bharathiar University, Coimbatore.