

IDHAYA COLLEGE FOR WOMEN
AROCKIA NAGAR, SARUGANI, SIVAGANGA DIST– 630 411

FACULTY PROFILE

Department : Chemistry

- 1. Name :** Miss.R.Gowri
- 2. Father's name :** Mr.K.Rengasamy
- 3. Educational Qualification :** M.Sc., M.Phil.,D.M.L.T.,
- 4. Designation :** **Assistant Professor & Head**
Department of Chemistry,
Idhaya College for Women, Sarugani,
Sivagangai Dt.630 411.
- 5. Teaching Experience :** 2 Years
- 6. Date of Birth :** 14.10.1990
- 7. Gender :** Female
- 8. Address for Communication (Res) :** NO 10, Premalayam,ThanthaiPeriyar nagar3rd street,
Karaikudi, SivagangaiDist. – 630 561.
Phone No. : 9786156148
Email – id : chem.gowri@gmail.com
- 9. Area of Specialization :** Organic chemistry, inorganic chemistry & Nano science
- 10. Publications:**

S. No.	Title	Name of the Journal	ISSN/ ISBN No.	Month & Year
1.	Green approach: Ionic liquid assisted synthesis of nanocrystalline ZnO in phyto medium and their antibacterial investigation	Materials Letters	0167577X	18 April 2017

11. Paper Presented in National & International Seminar/Conference

S. No.	Title	Institution	Date and Year
1.	Chemistry our life, our future	Alagappa University, Karaikudi	28 th February 2011
2	Ureolytic bacteria mediated synthesis of ZnO nano particles and	Fatima College, Madurai	18 th September 2012

	their application in bio image		
3	Studies of the effect of ionic liquid in synthesis of ZnO nanostructure using plant extract and their performance in antibacterial activity	A.V.V.M Sri Pushpam College, Poondi	29 th & 30 th December 2014
4	Synthesis of TiO ₂ nanostructure by pomegranate peel extract with addition of ionic liquid and their performance in antibacterial activity	Idhaya College for Women, Sarugani	27 th July 2018

12. Seminars /Conferences /Workshops Organized:

1. Organizing secretary for the one day seminar on topic “**PROCESS IN DRUG DELIVERY**” organized by the department of chemistry & biochemistry on 6th march 2018.
2. Organizing secretary for the two days national seminar on “**NEW ADVANCEMENT IN CHEMICAL & BIOCHEMICAL SCIENCE**” organized by the department of chemistry & biochemistry on 26th & 27th July 2018.

13. Workshops/seminar participated:

1. Inter collegiate seminar on “**NANOSCIENCE AND NANO TECHNOLOGY**” organized by the department of biochemistry, Ananda college, Devakottai on 26th September 2008.
2. The lecture workshop on the topic of “**ADVANCED IN CHEMISTRY**” on 20 & 21 September 2013 organized by the department of industrial chemistry Alagappa University, Karaikudi (IAsc, INSA & NASI sponsored)
3. The International workshop on “**FACTS 2014**” on 21st & 22nd February 2014 organized by department of industrial chemistry Alagappa University, Karaikudi.
4. The International workshop on “**INDIAN ROAD SHOW**” on 10th November 2014 organized by department chemistry, Indian institute of technology, Chennai.
5. The national seminar on “**catalysis and catalyzed reaction**” organized by the department of Natural products chemistry, Madurai Kamaraj university, Madurai on 28th March 2014.
6. The one day workshop on “**TECHNICAL AND SCHOLARLY**” writing on 14th February 2019 at Alagappa University, Karaikudi. (RUSA sponsored)

14. Research experiences:

- Studies on the effect of structural morphology and antibacterial activity for ZnO nanostructure using plant extracts with ionic liquid under the Guidance of **Dr.M. Sundrarajan, School of Chemical Science, Alagappa University, Karaikudi.**
- Ureolytic bacteria mediated synthesis of nano ZnO and its application for bio-imaging, under the Guidance of **Dr. K. Subramanian, CSIR, CECRI, Karaikudi.**

