

STAFF PROFILE

- 1) Name : Dr. R. Savidha
2) Department : Chemistry
3) Designation : Assistant Professor
4) Address

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- 5) Phone No.

Office :

Residence :

Mobile :

- 6) E-mail :

- 7) Academic Qualifications:

Qualification	Programme	University	Year
Ph.D.	Chemistry	Anna University	2004
M. Phil.	-	-	-
PG	Chemistry	Bharathiar University	2000
UG	Chemistry	Bharathiar University	1998

- 8) **Career profile:**

Current:

Organization	Designation	Duration
Providence College for Women	Assistant professor	7 years 4 months (as on February 2023)

Previous:

Organization	Designation	Duration
CSI College of Engineering Ketti.	Assistant Professor	3 years
SRM College of Engineering, Chennai.	Assistant Professor	2 years
KAIST, South Korea	Post-Doctoral Fellowship	1 year 3 months
Seoul National University, Seoul	Post-Doctoral Fellowship	8 months

9) Participation in Orientation Programme / Refresher Course / Short term course / FDP

Participation	Organization	Date	Days
Orientation	MHRD, Bharathiar University.	17.11.2017 to 14.12.2017	28 days
Refresher	MHRD, Bharathiar University.	20.06.2019 to 03.07.2019	14 days
Refresher	Special Summer School, MHRD, Mizoram University.	20.07.2021 to 02.08.2021	14 days
Refresher	UGC, HRDC, University of Hyderabad	10.10.2022 to 22.10.2022	13 days

10) Research Publications:

1. Rajkumar R., Ilango ., Vinothkumar K., **Savidha R.**, Senthilkumar S., Ezhilarasan D. and Sukumar E. "Moringa oleifera seeds attenuate benzene-induced alterations in lipid peroxidation and antioxidant enzymes in liver and kidney tissues of Wistar rats" Indian Journal of Biochemistry & Biophysics 60, 2023, 26-30.

2. Hsiu-Ling Hsu., Selva Roselin L., **Savidha R.**, Rosilda Selvin “Enhanced photocatalytic performance of magnetite/ TS-1 thin film for phenol degradation” Journal of Saudi Chemical Society, 26, 2022, 101538.
3. Rajkumar R., Ilango B., **Savidha R.**, Vinothkumar K., Ezhilarasan D. and Sukumar E., “Effect of Emblica officinalis fruits against metallic-lead induced biochemical and hematological alterations in Wistar rats” Indian Journal of Biochemistry & Biophysics, 58, 2021, 451-456.
4. Sukumar E., **Savidha R.** and Magudeswaran P.N. “Assessment of subsurface water quality in the residential areas around Ambattur Industrial Estate”, Chennai, Poll Res. 31 (2), (2012) 13-18.
5. Geetha K., Andrew Prasanna Kumar D.K., Lakshmanan D., **Savidha R.** and Murugavel S. “(E)-N-(Anthracene -9-ylmethylidene)-4-nitroaniline” Acta Cryst., (2012) E67, o2577-o2579.
6. Rajkumar R., Dawood Sharief S., Vinoth Kumar K., Ilango B., **Savidha R.** and Sukumar E. (2010). Efficacy of Emblica officinalis fruits in LPO and antioxidants in lead treated rats. Human and Experimental Toxicology, 2 (2), (2011) 432-438.
7. **Savidha R.** and Pandurangan A. ‘Vapour Phase Isopropylation of Phenol over Iron Containing Al-MCM-41 Molecular Sieves’. Catalysis Letter, 91 (2003) 49-61.
8. **Savidha R.** and Pandurangan A., Isopropylation of Toluene: A Comparative Study of Microporous Zeolites and Mesoporous MCM-41 Materials. Appl. Catal. A. General: 276 (2004) 39-50.
9. **Savidha R.**, Pandurangan A., Palanichamy M. and Murugesan V. ‘A comparative study on the catalytic activity of Zn and Fe containing Al-MCM-41 molecular sieves on tertiary butylation of phenol’ J. Mol. Catal. A: Chemical, 211 (2004) 165-177.
10. **Savidha R.** and Pandurangan A. ‘Vapour Phase Isopropylation of Phenol over Zinc and Iron Containing Al-MCM-41 Molecular Sieves’. Appl. Catal. A. General: 262 (2004) 1-11.
11. **Savidha R.**, Jang-Hoon Ha and Do Kyung Kim, ‘Hydrogen storage characteristics of metal oxide doped Al-MCM-41 mesoporous materials’, Catalysis Communications 8 (2007) 1934–1938.

11) Conference / Seminar / Symposium / workshop organized

Year	Name of the Conference / Seminar / Symposium /workshop	Date From – To

2021	Criterion 3	28.10.2021
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12) Presentation in Conference / Seminar / Symposium

International Level

1. **Savidha Ramachandran**, Eun-Ae Jo, and Chul-Ho Jun. "One pot synthesis of Chloropropyl SBA-15". (2007) Korean Chemical Society, South Korea.
2. **Savidha Ramachandran**, Jang-Hoon Ha, Pandurangan Arumugam and Do Kyung Kim. "Transition metal doped mesoporous materials for Hydrogen storage" (2006). Indian-Taiwan conference, Taipai.
3. **Savidha R.**, Jang-Hoon Ha and Do Kyung Kim. "Transition metal ion exchanged micro and mesoporous ceramics for hydrogen storage" (2005). '107th Annual Meeting & Exposition', Sponsored by The American Ceramic Society, NIST, USA.
4. **Savidha R.**, Jang-Hoon Ha and Do Kyung Kim. "Transition metal ion exchanged mesoporous ceramics for hydrogen storage" (2005). Korean ceramic society, Korea University, Seoul.

National Level

1. **Savidha R.** and Pandurangan A. "Isopropyl Acetate as Alkylating Agent for Alkylation of Benzene over MCM-41Molecular Sieves" (2004). Chemfest. Indian Institute of Technology, Madras, Chennai, India.
2. **Savidha R.** and Pandurangan A. "Tertiary butyl acetate: A novel reagent for vapour phase alkylation of phenol over mesoporous molecular sieves" (2003), Indian Institute of Chemical Technology, Hyderabad, India.
3. **Savidha R.** and Pandurangan A. "Isopropylation of toluene over Al-MCM-41 and Fe-Al-MCM-41 molecular sieves" National Workshop on Advances in Catalysis. (2003) Loyola College, Chennai, India.
4. Savidha R. and Pandurangan A. "Regioselective Isopropylation of Phenol over MCM-41 Molecular Sieves" National Symposium on New Horizons in Heterogeneous Catalysis (2002). Banaras Hindu University, Varanasi, India.

13) Participation in Conference / Seminar / Symposium

National Level

1. Orientation Program on “National Institutional Ranking Framework” organised by Bharathiar University, Coimbatore and Tamil Nadu State Council for Higher Education, Chennai on 29th December 2022.
2. Two days NAAC sponsored National Workshop on “Preparation of Roadmap for Quality Assurance in Higher Education through NAAC Assessment and Accreditation” Organised by IQAC, Erode Arts and Science College (Autonomous), Erode on 28th and 29th August 2022.
3. National Level workshop on “NIRF India Rankings 2022 for Higher Educational Institutions” conducted by Institute for Academic Excellence in collaboration with Collegiate Education and Technical Education Department, Government of Telangana on 5th and 6th January 2022.
4. Two days National Level Workshop on “Green Economy and Sustainability in India – Issues and Challenges” conducted by the Department of Economics, Providence College for Women, Coonoor on 20th and 21st March 2019.
5. UGC sponsored one day workshop on “EAT module of Public Financial Management System (PFMS) for Higher Educational Institutions (HEI)”, conducted by UGC and South Eastern Regional Office, Hyderabad in Loyola College, Chennai on 9th March 2019.
6. Two days National seminar on “Climate change and its impact on Human Health and Wildlife” conducted by the Department of Zoology and Wildlife Biology, Government Arts College, Udhagamandalam from 28th February to 1st March 2019.
7. MHRD sponsored one day workshop on “India Hackathon 2019” at SRM TRP Engineering College, Trichy on 09th February 2019.
8. One day National Conference sponsored by Hillgrove Private limited on “Biodiversity and Climate Change (NCBCC 2018)” at Providence College for Women, Coonoor, on 7th September 2018.
9. **Savidha R.** UGC sponsored National Seminar on “Food safety, social responsibility and environmental sustainability in India: Issues and Challenges”, at Providence College for Women, Coonoor, 15th & 16st February 2018.

State Level

1. Two days State level Workshop on “National Education Policy 2019 – Highlights” organized by the Department of Economics, Providence College for Women, Coonoor on 19th and 20th September 2019.

2. One day Workshop on “Administration Ethics and Basic Rules” conducted by Providence College for Women, Coonoor on 22nd August 2019.
3. One day Workshop on “NDLI Club” conducted by Providence College for Women, Coonoor on 2nd August 2019.
4. One day Workshop on “The Art of Writing Winnable Project Proposal for Funding” organised by Principals Welfare Cell at Sankara College of Science and Commerce, Coimbatore on 23rd March 2019.
5. One day workshop on “Intellectual Property Rights and Innovations” at P.K.R. College for Women, Gopichettipalayam on 23rd February 2019.
6. Science Academies Lecture Workshop on “Recent Trends and Advances in Biological Sciences”, Providence College for Women, Coonoor, 21st and 22nd February 2018.
7. Science Academies Lecture Workshop on “Current Trends in Chemistry”, PSG College of Arts and Science, Coimbatore, 27th-28th October 2017.
8. Science Academies Lecture Workshop on “Recent Trends in Plant Biodiversity and Ethnobotany”, Providence College for Women, Coonoor, 10th-11th August 2017.

14) Resource person / Invited Speaker/Session Chair – Conference/Seminar/Workshop

1. Resource person in SAIPEM, Chennai, delivered a lecture in the topic “Carbon Footprint” on 28th October 2022
2. Hands on training were given to Class 11 students of Tamil Nadu during DST Inspire Science Camp conducted by DST and Molecular Biodiversity Lab, Department of Zoology and Wildlife Biology at Government Arts College, Udhamandalam from 23rd November 2018 to 28th November 2018.

15) Profession related activities

Resource person in Student Orientation

Resource person in the seminar Blossom

Resource person in staff Orientation

Resource person in Jyoti Nivas College Autonomous, Bengaluru

16) Institutional responsibilities

Academic Year	Activities
2015-2016	1. Member Eco club
	2. Member Cultural Committee
	3. Extension activity at Bandishola Government School
	4. Internal examiner for University Practical
2016-2017	1. Member Cultural Committee
	2. Member Eco club
	3. Extension activity at Bandishola Government School
	4. Internal Examiner
2017-2018	1. Cultural Committee Coordinator
	2. Member Eco club
	3. Extension activity at Bandishola Government School
	4. Internal Examiner
2018-2019	1. External Examiner for University Practical Examination in Kay Pee Yes College of Arts and Science, Kotagiri.
	2. Hands on training given to higher secondary students through DST Inspire Science Camp at Government Arts College, Ooty.
	3. External and Internal Examiner for University Practical Examination
	4. Member Magazine Committee
	5. Cultural Committee Coordinator
	6. Extension activity at Bandishola Government School
	7. Member College Development Committee
	8. Member Institution Innovation Council
	9. Member Eco club
2019 - 2020	1. Staff welfare committee – staff treasurer
	2. Cultural Committee Coordinator

	3. Member Institution Innovation Council
	4. Member Eco club
	5. Extension activity at Bandishola Government School
	6. Member College Development Committee
	7. Internal Examiner
2020-21	1. Staff welfare committee – staff treasurer
	2. Cultural Committee Coordinator
	3. Member Institution Innovation Council
	4. Member Eco club
	5. Extension activity at Bandishola Government School
	6. Member College Development Committee
	7. Internal Examiner
2021-22	IQAC Coordinator
	Member Eco club
	Internal examiner
2022-23	IQAC Coordinator
	Member Eco club
	Internal examiner

17) Other Highlights

- Senior Research Fellowship (SRF) from *Council of Scientific & Industrial Research*, India
- Brain Korea 21 (BK21) Post Doctoral Fellowship, in *KAIST*, South Korea
- Brain Korea 21 (BK21) Post Doctoral Fellowship, in *Yonsei University*, South Korea
- Life member, Fellow of Indian Chemical Society (FICS), India
- Life member, Indian National Congress (INC), India.