

S T Gawhale

Assistant Professor

MSc, MEd, PhD, PDF (Croatia)

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Experience

Teaching: 20 years

Industry: -

Area of Research

Supramolecular Chemistry

Research Publications

1. Study of complexation of *p*-sulfonatocalix[4]arene with Fluorescein and Zn^{2+} by spectroscopic method.

Journal: International Journal of Engineering and Technical Research (IJETR), ISSN-2321-0869, volume 2, page 171-174, issue 8th August 2014.

2. Inclusion complex formation of ternary system; Fluorescein *p*-sulfonatocalix[4]arene- Cu^{2+} by cooperative binding.

Journal: Spectrochimica Acta Part A – Molecular and Biomolecular Spectroscopy, ISSN-1386-1425 volume 148, page 382-388, issue 5th September 2015.

3. Study on complex formation of Fluorescein-*p*-sulfonatocalix[4]arene by spectroscopic method.

Journal: OPJ.ISSN online 2160-559X, volume 4, page 237-245, issue 29th August 2014.

4. Investigation of host-guest complexation of ternary model- interaction between *p*-sulfonatocalix[4]arene-Fluorescein- M^{2+} . (Communicated*).

5. Studies on inclusion complex formation of ternary system: Fluorescein-*p*-sulfonatocalix[6]arene- M^{2+} . (Communicated*).

6. Comprehensive investigation of inclusion complexation formation of Quinoline with sulfonato and thiacalix[n]arenes and their antimicrobial applications. (Communicated*)

7. Investigation of competitive binding in ternary system of *p*-sulfonatocalix[6]arene-acridine- Tb^{3+} .

Workshops / Seminars / Conferences etc.

1. National workshop on fluorescence and Raman techniques at ISSER, Pune, 13th -19th December 2015.
2. Seventeenth CRSI National Symposium in Chemistry at CRSI NCL pune, February 2015.
3. National workshop on scientific research paper writing organized by the Department of Chemistry, Savitribai Phule Pune University, 2014.
4. International conference on GOLD-CT-2014 at North Maharashtra University, Jalgaon, 6th -8th February 2014 (poster presented in the conference).
5. National conference on FPCB Science at the Department of Chemistry 2013.
6. Workshop on syllabus implementation of Engineering Chemistry at Maharashtra Institute of Technology, Pune, dated 14th July 2008.
7. Mission10X workshop- for Quality Engineering Education at AISSMS CoE from 25 to 29 August 2008.
8. State level workshop on EN-CHEMISTRY at Sinhgad College of Engineering, Pune, from 18th – 21st December 2007.
9. Workshop on syllabus revision of Engineering Chemistry at Marathwada Mitra Mandal's CoE, Pune, dated 20th July 2007.
10. National conference on – towards quality Engineering education at AISSMS CoE – 12th February 2005.
11. One-week program approved by IST on effective teaching learning process at AISSMS CoE from 20th – 25th December 1999.

Responsibilities Shouldered

1. Worked as a Department Timetable Incharge.
2. Subject co-ordinator for Applied Science and Engineering Chemistry
3. Laboratory incharge of Engineering Chemistry.
4. Hostel incharge for boy's hostel.
5. Guardian faculty member for FE students.
6. Student counsellor for FE students.
7. FE admission committee member.
8. Member of various sports and cultural activities.