

Name : Dr. V. SATHIYENDIRAN
Designation : Associate Professor
Department : Chemistry
Date of Joining : 23.02.2000
Phone No : 9443796759
Email : sathiyendiran2002@yahoo.co.in



Educational Qualification: M.Sc., M.Phil., B.Ed., Ph.D.,

Degree	Subject	College / University & Place	Year Completed
B.Sc	Chemistry	Yadava College, Madurai	1992
M.Sc	Chemistry	P.S.G.Collge of Arts and Science, Coimbatore.	1994
B.Ed.,	Physical Science	Madurai Kamaraj University, Madurai	1996
M.Phil.,	Chemistry	Annamalai University, Chidambaram.	1997
Ph.D.,	Chemistry	Annamalai University, Chidambaram.	1999

Specialization in Teaching:

1. Organic Chemistry :

Heterocyclic compounds
Organic Nitrogen compounds
Organic analysis
Stereochemistry
Green Chemistry
Spectroscopy

2. Physical Chemistry

Surface Chemistry
Thermodynamics
Chemical Kinetics
Electrochemistry
Photochemistry

3. Inorganic Chemistry

Bioinorganic Chemistry
Atomic structure
Metallurgy

4. Applied Chemistry

5. Analytical Chemistry

Specialization in Research: Physical Organic Chemistry

Research Interests:

1. Oxidation kinetics
2. Adsorption
3. Organic Synthesis

Technical Skills:

UV-Vis spectrophotometer
Spectrofluorometer

Membership in Professional Bodies:

Member in Board of Studies

1. Madurai Kamaraj University, Madurai
2. Yadava College, Madurai
3. E.M.G.Yadava Women's College, Madurai

Articles Published in National / International Journals:

1. Kinetics and Mechanism of Imidazolium Dichromate Oxidation of α -Hydroxy Acids in Acetonitrile Medium. Subbiah Meenakshisundaram and V.Sathiyendiran, *Oxidation Communications* ,**21(1)**, 71(1998).
2. Mechanism of Imidazolium Dichromate Oxidation of α -Hydroxy Acids in Perchloric Acid Medium. Subbiah Meenakshisundaram and V.Sathiyendiran, *Oxidation Communications* ,**21(1)**, 77(1998).

3. Quinolinium Fluorochromate Oxidation of α -Hydroxy Acids in Perchloric Acid Medium. Subbiah Meenakshisundaram V.Sathiyendiran, *Polish J. Chem.*, **72**,2261 (1998).
4. Mechanistic Studies on the Oxidation of Some Sulphides with Quinolinium Fluorochromate in Nonaqueous Medium. Subbiah Meenakshisundaram and Vasudevan Sathiyendiran. *Bull.Pol.Acad.Sci.*,**47**,167(1999).
5. Oxidation of some *Ortho*. Substituted phenyl methyl Sulphides with Quinolinium Fluorochromate in Acetonitrile medium. Subbiah Meenakshisundaram and V. Sathiyendiran, *Asain J.Chem.*,**12**, 336(2000)
6. Mechanistic studies on the Oxidation of Atrolactic Acid with Quinolinium Fluorochromate. Subbiah Meenakshisundaram and V. Sathiyendiran *Asain J.Chem.*, **12**, 359 (2000)
7. Quinolinium Fluorochromate Oxidation of Benzilic Acid in aqueous Acetic Acid Medium. A Kinetic Study. Subbiah Meenakshisundaram, V. Sathiyendiran and M. Mahendran, *Afinidad* **495**, 341 (2001).
8. Catalysis of the Oxone Oxidation of some Sulphoxides by Ru(III). Subbiah Meenakshisundaram and V. Sathiyendiran, *J. Chem Res.*,**(M)** 1118(2001)
9. Ru(III) inhibition on the oxidation of anilines with Peroxomonosulphate. Subbiah Meenakshisundaram & V. Sathiyendiran, *J.Chem.Research* **(M)** 0115-0132 (2001).
10. Synthesis and Insect Antifeedant activities of some substituted styryl 3,4-dichlorophenyl ketones. G.Thirunarayanan, S.Surya, S.Srinivasan, G.Vanangamudi and V.Sathiyendiran, *Spectrochimica Acta part A: Molecular and Biomolecular Spectroscopy* **75**, 152, (2010).
11. Infrared Spectral Linearity of some Anti-Plasmoidal Potent Chalcones. G.Thirunarayanan et.al., *The IUP Journal of Chemistry*, **Volume III No.1**, 82 (2010).
12. Solvent free synthesis spectral studies and antioxidant activities of some 6-substituted w-bromo -2-naphthyl ketones and their esters, G. Thirunarayanan et.al., *Indian Journal of Chemistry*, **Volume 50B**,593 (2011)
13. Structure parameter correlation of some quinoxaline derivatives through IR and ^{13}C NMR spectra, G.Thirunarayanan, I.Muthuvel, V.Sathiyendiran, *International Letters of Chemistry, Physics an Astronomy*, **19(2)**,198, (2014)

14. Insect antifeedant potent quinoxalines, K.Lakshmanan, K.G.Sekar, V.Sathiyendiran, I.Muthuvel, *International Letters of Chemistry, Physics and Astronomy*, **2**, 82, (2015)
15. Spectral LFER studies on some sydnone chalcones, G.Thirunarayanan, G.Vanangamudi, V.Sathiyendiran, *International Letters of Chemistry, Physics and Astronomy*, **53**, 41, (2015)
16. (E)-N-substitutedbenzylidene-4-methoxyanilines as insect antifeedants, K.Lakshmanan, K.G.Sekar, V.Sathiyendiran, R.Suresh, *International Letters of Chemistry, Physics and Astronomy*, **2**, 118, (2015)

Conference / Seminar Presentations:

1. Kinetics and Mechanism of Imidazolium Dichromate Oxidation of α - Hydroxy Acids in Acetonitrile Medium. In the Indian Council of Chemists 15th Conference held at Aurangabad, October 24-26, 1996
2. Mechanism of Imidazolium Dichromate Oxidation of α - Hydroxy Acids in Perchloric Acid Medium. In the 33rd Annual Convention of Chemists held at Coimbatore. Dec. 26-29' 1996.
3. Fifth Tamilaga Ariviyal Peravai Conference held at Annamalai University, Annamalainagar, June 5-7' 1997.
4. Reduction of Cr(VI) with some α - Hydroxy Acids in Perchloric Acid Medium. In the Second National Symposium on Students' Projects on Correlation Analysis held at Tiruchirappalli, August 30' 1997.
5. Mechanism of Oxidation of some Aryl Methyl Sulphides with Quinolinium Fluorochromate in Acetonitrile Medium. In the 34th Annual Convention of Chemists held at New Delhi, Dec. 17-20' 1997.
5. Quinolinium Fluorochromate Oxidation of Dialkyl Sulphides in Nonaqueous Medium. In the Indian Council of Chemists, Sixteenth Conference held at Mangalore, Dec. 29-31' 1997.
6. EDTA-Catalyzed Cr (VI) Oxidation of some Cyclanones. In the National Conference on Current Trends in Chemistry held at Annamalainagar, March 20-22' 1998
7. *Ortho*-Effect Oxidation of Some Aryl Methyl Sulphides with Quinolinium Fluorochromate. In the UGC-DRS National Symposium on Newer Vistas in

- Synthetic Protocols and Structural Elucidation in Chemistry, held at Madurai, April 22-24' 1998.
8. Sixth Tamilaga Ariviyal Peravai Conference held at Avinashilingam Deemed University, Coimbatore, May 8-10' 1998.
 9. Pyridine-2-Carboxylic Acid Catalyzed Oxidation of Tartaric Acid with Quinolinium Fluorochromate. In the third National Symposium on Students 'Project on Correlation Analysis in Chemistry' held at Mysore, September 21-22' 1998.
 10. Quinolinium Fluorochromate Oxidation of Benzilic Acid: A Kinetic and Mechanistic study. In the 35th Annual Convention of Chemists held at Dharwad, Nov. 4-7' 1998.
 11. Mechanistic Studies on the Oxidation of Methyl Phenyl Sulphoxide with N, N-Dibromobenzenesulphonamide in Alkaline Medium. In the Indian Council of Chemists 17th Conference held at Chennai, November 26-28' 1998.
 12. Application of Correlation Analysis to Data Sets of Oxidation of some *Ortho*-Substituted Anilines. In the 8th International Conference on Correlation Analysis in Chemistry, held at Chennai, January 10-14' 1999.
 13. Recent Trends in Chemistry; One-day Seminar held at Fatima College, Madurai, December 17, 2004.
 14. The Indian Science Congress Association held at Annamalai University, Annamalai Nagar, January 3 - 7, 2007
 15. National Conference on Recent Advances in Chemistry held at Periyar University, Salem, March 01 & 02, 2007.
 16. State Level Seminar on Expanding Frontiers in Chemistry held at Arul Anandar College, Madurai, February 27, 2008.
 17. National Seminar on Emerging Trends in Chemistry held at CPA College, Bodinayakanur, July 24 & 25, 2008.
 18. State Level Seminar on Expanding Frontiers in Chemistry held at Arul Anandar College, Madurai, March 20, 2009.
 19. State Level Workshop on Quality excellence and quality sustenance in Education held at Sourashtra College, Madurai, August 21, 2009.
 20. Adsorption Isotherm studies of Red win and fast green dyes on Paddy Husk carbon and Granular Activated carbon -comparative study. In the National

Conference on Materials Science held at Annamalai University, Annamalai Nagar, October 09-10,2009.

21. National Seminar on Pioneering Areas in Chemistry held at Devanga Arts College, Aruppukottai, Jan.20-21, 2010.
22. National Seminar on Renewable Energy Resources held at Yadava College, Madurai, March 04 - 05, 2010.
23. Trainers Training programme on "values in life and motivation" held at Sourashtra College, Madurai, July 15, 2010.
24. Adsorption of Amido Black and direct blue dye cotton seed carbon and Granular activated carbon - A comparative study. In the National Seminar on Emerging Trends in Chemistry held at CPA College, Bodinayakanur, September 23-24, 2010.
25. National Seminar on Nanostructured Materials and Applications held at Madurai Kamaraj University, Madurai, March 04 - 05, 2011.
26. National Seminar on Emerging Trends in Chemistry held at VHNSN College, Virudhunagar, July 28-29, 2011.
27. Fourth International Ground Water Conference held at Yadava College, Madurai, Sep, 27-30, 2011.
28. 2,2'-bipyridyl catalysed oxidation of benzaldehyde and substituted benzaldehydes by Quinolinium chlorochromate in aqueous and acetonitrile medium. In the UGC Sponsored National Seminar On Emerging Trends in Chemistry held at CPA College, Bodinayakanur, 04-05th October 2012.
29. UGC Sponsored National Seminar On Futuristic Trends in Chemistry held at Sri Meenakshi Govt.College for Women, Madurai, 6th February 2013.
30. UGC Sponsored National Seminar On Frontiers in Chemistry held at The Madurai College, Madurai, 14-15th February 2013.
31. Kinetics of oxidation of unsaturated alcohols by Isonicotinium Dichromate. In the International Conference on Recent Advances in Textile and Electro Chemical Sciences – 2013 held at Alagappa University, Kariakudi, 21-23rd March 2013.
32. Kinetics and mechanism of oxidation of cyclohexanol by Isonicotinium Dichromate. In the Third National Conference on Advanced Functional Materials and applications (DRDO Sponsored) held at Kalasalingam University, Krishnankoil, 21-22nd March 2014.

33. UGC Sponsored National Seminar on Emerging Trends in Chemistry held at CPA College , Bodinayakanur, 18-19th September 2014.
34. Ground Water Status in Maduai Distirct – A Pilot Study. In the UGC Sponsored International Conference on Solutions to Ecological Challenges : Multidimensional Perspectives held at Fatima College, Madurai,13th December 2014.
35. UGC Sponsored National Seminar On Modern Trends in Chemistry held at Vivekanada College, Thiruvudagam, Madurai,30-31st January 2015.
36. Kinetics and mechanism of oxidation of cyclohexanone by Isonicotinium Dichromate. In the UGC Sponsored National Conference On Frontiers Areas in Chemistry held at Thiagarajar College, Madurai,26-27th Feburary 2015.
37. Kinetics and mechanism of oxidation of benzaldehyde and sub. benzaldehyde by quinolinium chlorochromate. In the Fourth National Conference on Advanced Functional Materials and applications (CSIR Sponsored) held at Kalasalingam University, Krishnankoil, 02-03rd April 2015.
38. International Symposium on Emerging Trends in Bio-Chem-Nutraceuticals held at Fatima College, Madurai,04th December 2015.
39. National Seminar on Recent Trends in Chemistry held at Fatima College, Madurai,21st December 2016

List of Seminars / Conferences / workshops organized

S. No.	Topic (State / Nat'l / Int'l)	Position (Organizing Secretary/Convener)	Organized by Dept.	Date
1	“Emerging Trends In Chemistry” (ETC-2013)	Convener	Department of Chemistry, Sourashtra College, Madurai	09/03/2013
2	Allotropes in Industry	Organizing Secretary	Department of Chemistry, Sourashtra College, Madurai	23/02/2015

Lectures / Talks given:

1. Yadava College, Madurai- Topic: Catalysis February 2011.

Attended Orientation/Refresher/FDP/Other Programme

1. UGC Sponsored 28 days **Orientation Programme** attended at UGC- Academic staff college, Madurai Kamaraj University during 14.11.2007 to 11.12.2007
2. UGC Sponsored 21 days **Refresher Course** attended at UGC- Academic staff college, Madurai Kamaraj University during 03.11.2009 to 23.11.2009
3. UGC Sponsored 21 days **Refresher Course** attended at UGC- Academic staff college, Madurai Kamaraj University during 10.11.2010 to 30.11.2010.
4. 7 days **NSS Orientation Programme** attended at Avinashilingam Deemed University, Coimbatore during 03.02.15 To 09.02.15
5. Participated One day Faculty Development Programme on Management of Self-A Holistic approach organized by SCAAN & IQAC held on 29/08/2017 at Sourashtra College, Madurai

Other activities / information / academic credentials you would like to mention:

1. Additional Examiner in the Board of Chemistry - Major & Ancillary - Madurai Kamaraj University, Madurai
2. Examiner - Practical Examinations in various autonomous colleges and Madurai Kamaraj University, Madurai
3. Served as a NSS Programme Officer in the Year 2013-2016 at Sourashtra College, Madurai.