


<b>Name</b>	Dr. S. SYED SHAFI	
<b>Designation</b>	Professor and Head	
<b>Mailing Address</b>	Department of Chemistry Thiruvalluvar University Vellore-632 115. Tamil Nadu, INDIA.	
<b>Academic Qualifications</b>	M.Sc., B.Ed., M.Phil., Ph.D.	
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**Teaching Experience: 29 years**

**Research Experience: 18 years**

**Research Area/Specialization(s):**

- Medicinal Chemistry
- Chemical Kinetics
- Coordination Chemistry
- Nanocomposites

**Research Guidance/Supervision:**

Programmes of Study	Completed	On Going
Ph.D	11	6
M.Phil	35	1
M.Sc	5	-

**Funded Research Projects (Completed): 02**

S. No	Agency	Period		Project Title	Budget (Rs. Lakhs)
		From	To		
1.	UGC	2009	2012	Synthesis and Antibacterial Activity of Heterocyclic Compounds by the Reaction of Diethyl and Dimethyl acetylene Dicarboxylate (DMAD, DEAD) with Thiosemicarbazone Derivatives	5.41 lakhs
2.	TNSCST	2002	2005	Synthesis, characterization and antibacterial activity of some novel five- membered heterocyclic compounds. Tamil Nadu State Council for Science and Technology .	1.59 lakhs

**Number of Seminars/Conferences/Workshops/Events attended : 57**

**Number of Seminars/Conferences/Workshops/Events organized : 03**

**Number of Invited/Special Lectures delivered : 08**

#### **Achievements/Awards/Honors**

1. Best Researcher Award-VME Society , Vaniyambadi.
2. President of RUSAC-2005-2008 - Organised various programs like quick competitions, TEPAT programs, model Examinations in affiliated colleges of Thiruvalluvar University.
3. Resource programs for Refresher courses in Pondicherry University.

#### **Additional Responsibilities:**

1. Academic council member, Thiruvalluvar University, Vellore.
2. Former Controller of Examinations<sub>(i/c)</sub>, Thiruvalluvar University, Vellore.
3. Former Syndicate Member, Thiruvalluvar University, Vellore.

#### **Publications in Journals:**

1. Sheik Mansoor S, **Syed Shafi S** (2009) kinetics and mechanism of oxidation of substituted benzaldehydes by 1-methyl imidazolium chlorochromate in Aqueous acetic acid medium. J. Curr. Sci. 14:47-56.
2. Sheik Mansoor S, **Syed Shafi S** (2009) Kinetics and Mechanism of oxidation of Aromatic aldehydes by imidazolium dichromate in acetic acid medium. E-Journal of Chemistry 6(SI):S528.
3. Sultan A, **Syed Shafi S** (2009) Synthesis and antibacterial activity of some Triazolothiazolesincorporating Tetrahydrocarbazole moiety. Indian Journal of Heterocyclic Chemistry 18:385-388.
4. Balapragalathan, **Syed Shafi S** (2009) Synthesis of a Furylpyrazoline derivative using Microwave Irradiation. Molbank M613.
5. Kalaivasan N, **Syed Shafi S** (2010) Synthesis of Various polyaniline/Clay Nanocomposites Mechanochemical Intercalation method. E-Journal of chemistry 7:1477-1483.
6. Balapragalathan, **Syed Shafi S** (2010) 2-{5-(1,3-Benzodioxol- 5-yl) Pyrazine. Molbank M668.
7. Dhayanithi V, **Syed Shafi S** (2011) Synthesis of selected 5-thio-substituted tetrazole derivatives and evaluation of their anti-bacterial and anti-fungal activities. Journal of the Serbian Chemical Society 76:165-175.

8. Dhayanithi V, **Syed Shafi S** (2010) Synthesis and Evaluation of a series of 1-Substituted tetrazole derivatives as Antimicrobial agents. *Organic Communications* 3:45-56.
9. Sheik Mansoor S, **Syed Shafi S** (2010) Oxidation of benzhydrol by tributylammoniumchlorochromate: A Kinetic and mechanistic study. *Reac. Kinetic. Mech. Cat.* 100:21-31.
10. Sheik Mansoor S, **Syed Shafi S** (2010) Studies on the kinetics of tripropylammoniumfluorochromate oxidation of some aromatic alcohols in non-aqueous media. *Journal of molecular liquids* DOI: 10.1016/j.molliq.2010.05.012.
11. IbrahimSheriff AK, Dastageer MS, **Syed Shafi S** (2010) Synthesis, Characterisation and Antimicrobial activity of Schiff's base complexes of CO(II), Ni(II) and Cu(II) metal ions. *Asian J. Research Chem.* 3:732-734.
12. Sheik Mansoor S, **Syed Shafi S** (2010) Studies on the kinetics of tripropylammoniumfluorochromate oxidation of some aromatic alcohols in non-aqueous media. *Journal of molecular liquids* 155:85-90.
13. Sivagurunathan K, Raja Mohammed Kamil S, **Syed Shafi S** (2011) Efficient One- Pot Selective reduction of esters in beta-Ketoesters using LiHMDS and LAH. *Tetrahedron Letter* 52:1205-1207.
14. Ibrahim Sheriff AK, **Syed Shafi S** (2011) Antimicrobial Activity and DNA Studies of Novel Schiff's Base complexes of some Transition Metal ions. *Journal of Pharmacy and Research* 4:1590-1591.
15. Sheik Mansoor S, **Syed Shafi S** (2011) Studies on the Kinetics of TetraethylammoniumBromochromate Oxidation Of some Meta and Para – Substituted Benzyl Alcohols in Non –Aqueous Media. *Z.Phys.Chem.*225:249-263.
16. Sheik Mansoor S, **Syed Shafi S**, Zaheer Ahmed S (2011) Correlation analysis of reactivity in the oxidation of Methionine by benzimidazoliumfluorochromate in different mole fractions of acetic acid –water mixture DOI:10.1016/j.arabjc.2011.06.026.
17. Sheik Mansoor S, **Syed Shafi S**, Zaheer Ahmed S (2011) An efficient one-pot multicomponent synthesis of 3,4-dihydropyrimidine-2-(1H)-ones/thiones/imines via a Lewis base catalyzed Biginelli-type reaction under solvent-free conditions. DOI:10.1016/j.arabjc.2011.09.018.
18. Zaheer Ahmed S, **Syed Shafi S**, Sheik Mansoor S (2012) Oxidation of Lactic acid by PyridiniumFluorochromate: A Kinetic and mechanistic study. *Pelagia Research Library Advances in Applied Science Research* 3:123-129.
19. Zaheer Ahmed S, **Syed Shafi S**, Sheik Mansoor S (2013) Oxidation of some – Hydroxy acids by PyridiniumFluorochromate in aqueous acetic acid media – A Kinetic and mechanistic study. *Asian Journal of Chemistry* 25:921-925.

20. Zaheer Ahmed S, **Syed Shafi S**, Sheik Mansoor S (2012) Kinetics and Mechanism of Oxidation of some – Hydroxy acids by Pyridinium Dichromate in aqueous acetic acid medium. *Asian Journal of Research Chemistry* 5:753-758.
21. Mohan K, **Syed Shafi S** (2013) Removal Cadmium from the aqueous solution using chitin/Poly ethylene glycol binary blend. *Scholars Research Library, Der Pharmacia Lettre*5:62-69.
22. Sivagurunathan K, Raja Mohamed Kamil S, **Syed Shafi S** (2013) Efficient synthesis of novel Pyrazolothiozole derivatives and its antifungal activity studies. *Journal of Pharma Research*2:1-3.
23. Sheik Mansoor S, **Syed Shafi S**, Zaheer Ahmed (2013) Correlation Analysis of Reactivity in the Oxidation of some para – Substituted benzhydrols by TriethylammoniumChlorochromate in non –aqueous media. *Arabian Journal of Chemistry*-<http://dx.doi.org/10.1016/j.arbjc.2013.02.005>.
24. Sheik Mansoor S, **Syed Shafi S** (2014) Oxidation of aniline and some para-substituted anilines by benzimidazoliumflurochromate in aqueous acetic acid medium-A kinetic and mechanistic study. *Arabian Journal of Chemistry*7:171-176.
25. Sheik Mansoor S, **Syed Shafi S** (2014) Oxidation of aliphatic alcohols by triethylammoniumchlorochromate in non-aqueous medium-A kinetic and mechanistic study. *Arabian Journal of Chemistry* 7:312-318.
26. Ibrahim Sheriff AK, **Syed Shafi S** (2012) Synthesis, Charecterisation, Antimicrobial Activity and DNA studies of Novel Schiff's base complexes of some transition metal ions. *Arabian Journal of Chemistry* 24.3:1058-1060.
27. DhayanithiVaradaraji, **Syed Shafi S**, Venkat R. Ramasamy, Kumaran Kubendiran, Jaisankar, Reguraman KG, Hari N. Pati (2010) Synthesis and evaluation of a series of 1-substituted tetrazole derivatives as antimicrobial agents. *Org.Commun.* 3:45-56.
28. Sumathi R, Sultan A, **Syed Shafi S** (2014) Anti-microbial evolution of novel thiazoles. *Journal of Pharmaceutical and Scientific Innovation* 3:139-142.
29. Vidhya KR, **Syed ShafiS** (2014) Synthesis,Charecterisationand Antimicrobial studies of novel 2-pyrazoline derivatives. *Chem Tech Res Journal* 112.
30. Vidhya KR, **Syed Shafi S** (2014) Synthesis,Charecterisation and Antimicrobial studies of novel 2-pyrazoline derivatives. *Der Pharma Chemica.* 6:283-287.
31. Sultan A, Sumathi K, **Syed Shafi S** (2014) Synthesis, Charecterisation and Antimicrobial activity of some novel 4-thiazolidinone derivatives. *Am J Pham Health Res.* 2:1-11.
32. Sultan A, Sumathi R, **Syed Shafi S** (2014) Microwave Assisted synthesis of some novel Hydrazona-4-oxothiazolidinones as possible in vitro antimicrobial activity. *Int J Sci. and Tech.* 2:33-39.

33. Sumathi K, **Syed Shafi S** (2014) Microwave Assisted synthesis and Antimicrobial Evaluation of certain novel thiazoles containing piperanal moiety. *Int. J .Rec. Adv. Multidis. Res. (IJRAMR)*.
34. **Syed Shafi S**, Sankaranarayanan (2014) Removal of potassium from aqueous system by lime loaded rice husk carbon. *International Organisation of Scientific Research (IOSR)* (Article Id:N44076).
35. Sheik Mansoor S, **Syed Shafi S** (2012) Oxidation of formic acid and oxalic acid-IFC in non-aqueous media-A kinetic and mechanistic study. *J Indian Chem. Soc.*89:69-76.
36. Sheik Mansoor S, **Syed Shafi S** (2013) Oxidation of some  $\alpha$ -hydroxy acids by PFC in aqueous acetic acid media. *Asian J. Chem.* 25:921-925.
37. Shetty R, **Syed Shafi S**, YuvarajaKuberan (2013) Efficient synthesis of novel 3, 4, 5-triarylisoxazole derivatives and its antifungal activity studies. *Journal of Pharmacy Research* 6:897-901.
38. Shetty R, **Syed Shafi S**, Yuvaraj K (2014) synthesis and anti-fungal activity studies of novel 3, 4, 5-trisubstituted isoxazole derivatives. *Journal of Pharmacy Research* 8:289-295.
39. Sumathi R, Sultan A, **Syed Shafi S** (2014) Antimicrobial evolution of novel thiazoles. *J. Pharmaceutical and Scientific innovation* 3:139-142.
40. Vidhya KR, **Syed Shafi S** (2014) Synthesis, Characterisation and antimicrobial studies of novel 2-pyrzoline derivatives. *Der Pharma Chemica.* 6:283-287.
41. Shetty R, **Syed Shafi S**, Yuvaraj K (2014) synthesis and anti-fungal activity studies of novel 3, 4, 5-trisubstituted isoxazole derivatives. *Journal of Pharmacy Research* 8:289-295.
42. Sheik Mansoor S, **Syed Shafi S**, Ahmed SZ Correlation analysis of reactivity in the oxidation of Methionine by benzimidazoliumflurochromate in different mole fractions of acetic acid –water mixture. *Arabian Journal of Chemistry*. In press.
43. Sheik Mansoor S, **Syed Shafi S** Correlation analysis of reactivity in the oxidation of some organic diols by tripropylammoniumfluorochromate in non-aqueous media. *Arabian Journal of Chemistry*.<http://dx.doi.org/10.1016/j.arabjc.2013.02.005>.
44. Sheik Mansoor S, **Syed Shafi S** (2014) Oxidation of aniline and some para-substituted anilines by benzimidazoliumfluorochromate in aqueous acetic acid medium –A kinetic and mechanistic study. *Arabian Journal of Chemistry* 7:171-176.
45. Sheik Mansoor S, **Syed Shafi S** (2014) Oxidation of aliphatic alcohols by triethylammoniumchlorochromate in non-aqueous medium –A kinetic and mechanistic study. *Arabian Journal of Chemistry* 7:312-318.

46. Sheik Mansoor S, **Syed Shafi S** (2015) Oxidation of methionine by tetraethylammoniumchlorochromate in non-aqueous media – A kinetic and mechanistic study. *Arabian Journal of Chemistry* 8:480–486
47. Sultan A, Sumathi R, **Syed Shafi S** (2014) Synthesis Characterization and antimicrobial activity of some novel 4-thiazolidinone derivatives. *Am J Pharm Health Res.* 2:50-60.
48. Sultan A, Sumathi R, **Syed Shafi S** (2014) Microwave-Assisted Synthesis of Some Novel Hydrazono-4-Oxothiazolidines as Possible in Vitro Antimicrobial Activity, *The International Journal of Science and Technology* 2:33-37.
49. Sallem Malik V, Vannamuthu I, **Syed Shafi S**, Sheik Mansoor (2015) Kinetics and Mechanistic Approach to the BenzimidazoliumFluorochromate oxidation of Indole-2-aldehyde in various percentages of acetic acid and water mixture. *Oriental Journal of Chemistry* 31:1-6.
50. Sallem Malik V, Vannamuthu I, **Syed Shafi S**, Sheik Mansoor (2015) Studies on the Kinetics of BenzimidazoliumFluorochromate oxidation of pyridine-2-aldehyde in aqueous acetic acid medium. *Chemical Science Transactions* 4 DOI: 10.7598/cst2015.994
51. **Syed Shafi S**, Shahavar Sulthana S, Arul Antony S, Balachandran C, Thiophene and benzodioxole appended thiazolyl-pyrazoline compounds: Microwave assisted synthesis, antimicrobial and molecular docking studies. *Bioorganic and medicinal chemistry letter* (under review).