



Name: Dr.N.Mamatha
Designation: Assistant Professor
Department: Humanities and Sciences
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Experience (in years):10 Teaching: 10 Research: Others(if any, specify):

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2012	Organic Chemistry
2	M.Sc	2003	Chemistry
3	B.Sc	2001	Botany, Sericulture, Chemistry

2. Teaching and Learning:

- 2.1. Teaching Interests: Engineering Chemistry
- 2.2. Novel Teaching & Learning Techniques adopted:
- 2.3. Involvement in curriculum updating / Design:

3. Co-curricular and Extra-Curricular Activities

- 3.1. Interests and Hobbies:
- 3.2. CCA/ECA Organized:
- 3.3. CCA/ECA participated:
- 3.4. Counseling and Mentoring Activity:
- 3.5. Committees involved in:

Department level:

Institute Level:

4. Conference / Workshop / Seminar / Guest Lectures :

- 4.1 Conducted:
- 4.2 Attended: 16

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles/Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided :

a) UG : Nil

b) PG : Nil

5.5. Research Interests : Organic Synthesis and biopolymers

5.6. Ph.D students :

a) Enrolled : Nil

b) Submitted: Nil

c) Awarded: Nil

5.7. Papers published in reviewed journals :

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Naproxen and Ibuprofen based acyl hydrazone derivatives: Synthesis structure analysis and cytotoxic studies	<i>J. Chem. Pharm. Res.</i> , 2010, 2(6):393-409	0975-7384	-----	International
2	Synthesis, Characterization and Anti-bacterial screening of piroxicam based sulfonates	<i>J. Chem. Pharm. Res.</i> , 2010, 3(2):581-588	0975-7384	-----	International
3	2(6-methoxynaphthalen-2-yl)propionic acid (1,3-dimethyl-butylidene) hydrazide	Molbank , 2011, doi: 10.3390/M741	1422-8599	1.22	International
4	Synthesis of novel quinoline analogues of nimesulide: an unusual observation	Journal of Heterocyclic chemistry, Vol.48, 2011, PP.555, DOI: 10.1002/jhet.618	1943-5193	0.787	International
5	Design and synthesis of novel cytotoxic agents based on combined framework of quinoline and nimesulide	Journal of heterocyclic chemistry , vol. 49, 2012, pp.80- doi;	1943-5193	0.787	International

		10.1002/jhet.801			
6	Biodegradable nano-hydrogels in agricultural farming- alternative source for water resources	Procedia materials science, vol.10, 2014, pp.548-554	2211-8128	-----	International
7	Application of biodegradable nanohydrogels in the cultivation of wild guava	International journal of green and herbal chemistry, sec.a, vol.4, no.1, pp. 71-80,2015	2278-3229	1.839	International
8	Simultaneous analysis of linagliptin and metformin in pure and pharmaceutical solid dosage form using rp-hplc method	Global academic research journal, vol.2, issue.9, 2014, pp.18-27	2347-3592	3.73	International
9	Effect of particle size on convective heat transfer in cylindrical annulus through nano fluid	International journal of ethics in engineering & management education, vol.1, issue.8, 2014, pp-23-28	2348-4748	3.35	International
10	Effect of particle size on convective heat transfer in flat plate through nano fluid	International journal for scientific research and development, vol.2, issue.05, 2014, pp.672-676	2321-0613	1.22	International

5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Biodegradable nano-hydrogels in agricultural farming-alternative source for water resources	NDCT-2014	International	June 23 rd - 25 th , 2014
2	Application of biodegradable nanohydrogels in the cultivation of wild guava	conference on nano materials and technologies (cnt-2014)	International	Oct 17 th – 18 th , 2014
3	2(6-methoxynaphthalen-2-yl)propionic acid(1,3-dimethyl-butylidene) hydrazide	conference on recent advances in drug discovery	International	Oct 22 nd – 24 th , 2010
4	Synthesis, characterization and anti-bacterial screening of piroxicam based sulfonates	Recent trends in pharmaceutical chemistry	National seminar	Jan 30 th - 31 st , 2011
5	Naproxen and ibuprofen based acyl hydrazone derivatives: synthesis, structure analysis and cytotoxicity studies	progressive journey of drug from mind to market	National seminar	Dec 18 th – 20 th , 2008
6	Synthesis of novel quinoline analogues of nimesulide: an unusual observation	Andhra pradesh akademi of sciences (apas)	National	Nov 18 th – 20 th 2010

5.9. Sponsored research Projects: Nil

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: Nil

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

- Awards / Honors received:** Best poster presentation award “**Synthesis of Pyrazolones using Microwave-Assisted Neat Reaction Technology**”, National Seminar on Progressive journey of drug from Mind to Market from 18-20th Dec 2008 at PVP College, Loni, Ahmednagar, Pune.Pg.No-18
- Motto:** To make the students to develop their skills in the recent advancement of technical applications and make class more interactive by using Information Communicating Technologies (ICT Tools).