Dr. M.M.V. RAMANA

Designation	:	Professor
Email	:	mmvramana@yahoo.co.in
Telephone Extention	:	022 26543356
Fax	:	022-2652 85 47

ACADEMIC RECORD

Degree	Subject	University	Month and Year
Ph.D.	Organic Chemistry	University of Mumbai	1986
M Sc.	Organic Chemistry	University of Mumbai	April 1981
B Sc.	Chemistry and Physics	University of Mumbai	April 1979

POSITIONS HELD

Lecturer in Organic Chemistry	:	1985 to 1998
Reader in Organic Chemistry	:	1998 to 2006
Professor in Organic Chemistry	:	2006 onwards

AWARDS / HONORS

No.	Name of the award	Year
1.	Government of Maharashtra Daxina Fellow	1979 to 1981
2.	U.G.C J.R.F	1981 to 1983
3.	U.G.C S.R.F.	1983 to 1985

AREA OF RESEARCH INTEREST

1. Organic Synthesis.
2. Stereochemistry.
3. Non – Conventional Sources of Energy.
4. Green Chemistry.
5. Liquid Crystalline Materials

6. Synthesis of Soft Materials for Nanotechnology.
7. Synthesis of Organometallic Compounds
8. Ionic Liquids
9. Bio-Organic Chemistry
10. Synthesis of Natural Products
11. Synthesis of Drugs and Drug Intermediates
12. Synthesis of Peptides
13. Synthesis of Macrocycles

RESEARCH PROJECTS

Sr. No.	Title of the project	Agency	Period	Amount
1.	Preparative Photoaromatisation	DST	1992 to 1995	10 Lakhs

NUMBER OF STUDENTS GUIDED

Ph.D.	13
M.Sc.(By Research)	14

RESEARCH PUBLICATIONS

1 A novel reagent system : a mixture of phosphorous oxychloride, o-hosphoric acid and anhydrous zinc chloride for the synthesis of 1-hydroxyxanthones. N.B.Nevrekar, S. V. Lele, M.M.V. Ramana and N.A.Kudav, *Chemistry and Industry (London)*. 479-480, (1983).

2 o-Hydroxybenzoyl ureas in the synthesis of 1-hydroxyxanthones. M. M . V. Ramana and N. A. Kudav , *Chemistry and Industry (London)*. 31-32 , (1985).

3 α,β –Unsaturated N-acylureas as useful intermediates for the synthesis of indanones,chromanones and coumarins, M. M. V. Ramana and N. A. Kudav,

Indian Journal of Chemistry. 27B ,339-341, (1988).

4. Urea nitrate : a reagent for regioselective nitration of aromatic amines, T. P. Sura , M. M. V. Ramana and N. A. Kudav, *Synthetic Communications*. **18** , 2161-2165, (1988).

5. A new and simple synthesis of fluoren-9-ones, M.M. V. Ramana P. V. Potnis, *Synthesis.* **6**, 575-576, (1993).

6. A simple approach to the synthesis of fluoren-9-ones, M. M. V . Ramana and P. V. Potnis, *Synthetic Communications*. **25 (11)**, 1751-1760, (1993).
7. Tandem acylation – cycloalkylation with cyclohexene – 1 – acetic acid : a new entry to aporphine alkaloids, M. M. V. Ramana and P. V. Potnis , *Tetrahedron Letters* . **37 (10)** , 1671 –1674 , (1996).
8. A new and simple synthesis of phenanthrenes , M. M. V. Ramana and P. V. Potnis , *Journal of Chemical Research* (S). 175 , (1996).
9. A new and simple synthesis of phenanthrenes M. M. V. Ramana and P. V. Potnis , *Journal of Chemical Research* (M). 175 , (1996).
10. Tandem acylation –cycloalkylation with cyclohexene –1 – acetic acid : a new entry to phenanthrene alkaloids, M. M. V. Ramana and P. V. Potnis , *Natural Product Letters*. **8** , 317 –324 , (1996).
11. Tandem acylation – cycloalkylation : a novel synthesis of phenanthrenes, M. M .V. Ramana and P. V. Potnis, *Synthesis*. **9** , 1090-1092 , (1996).
12. Synthesis of some new biologically active 5-phenoxy – 4- phenyl –1, 3 – thiazol-2-amines, M. M. V. Ramana , D. S . Dubhashi and J .J. D' Souza, *Journal of Chemical Research* (S) . 496, (1996).
13. Synthesis of some new biologically active 5-phenoxy – 4- phenyl –1, 3 – thiazol-2-amines, M. M. V. Ramana , D. S . Dubhashi and J .J. D' Souza, *Journal Of Chemical Research* (S). 496, (1996).
14. A new and convenient synthesis of 13,16-diazaestrone analogs, M. M. V. Ramana and J. A. Parihar , *Tetrahedron Letters*. **44,** 1843-1845**, (**2003).
15. Alkylation of Pyrrolidine-2,5-dione with 2-(3,4-Dihydro-1-naphthalenyl)ethyl-4-methylphenylsulfonates : A New and General Approach to 13-Aza-3-desoxy-18-norestroneanalogs, M. M. V. Ramana, J. A. Parihar and M. M. Jaiswar, *Journal of Chemical Research (S)*. 761-762, 2003.
16. Alkylation of Pyrrolidine-2,5-dione with 2-(3,4-Dihydro-1-naphthalenyl)ethyl-4-methylphenylsulfonates : A New and General Approach to 13-Aza-3-desoxy-18-nzorestrone analogs, M. M. V. Ramana, J. A. Parihar and M. M. Jaiswar, *Journal of Chemical Research (M)*. 1249-1257, 2003.
17. Alkylation of pyrrolidine-2,5-dione with 2-(3,4-dihydro-1-napthalenyl)ethyl-4-methylphenylsulphonates: a new and general approach to 13-azaequilenin analogs, M. M. V. Ramana and J. A. Parihar, *Synthetic Communications*. 34, 11-18, 2004

18. Chemoselective Dehydrogenation 3-[2-(3,4-Dihydro-1-naphthalenyl)ethyl]imidazolidine-2,4-diones: A New and Convenient Synthesis of 13,16-Diazaequilenin analogs, J. A. Parihar and M. M. V. Ramana, *Chinese Journal of Chemistry*. 22, 1196-1199, (2004).
19. A new convenijent synthesis of phenanthrene alkaloids from 1-arylmethyl – 1,2,3,4- tetrahydroisoquinolines, S. V. Kini and M. M. V. Ramana, Tetrahedron Letters. 45,4171-4173, (2004).
20. Guanidinium nitrate: a novel reagent for aryl nitrations, M. M. V. Ramana, S. S. Malik And J.A. Parihar, *Tetrahedron Lett*er. 47, 8681-8683, (2004).
21. Novel Domino reactions for Diterpene synthesis, Shanta S. Bhar and M.M.V. Ramana, *Journal of Organic Chemistry*. 69 (25), 8935-8937, (2004).
22. Microwave-Assisted Coupling of Carbonyl Compound: An Efficient Synthesis of Olefins, M. M. V. Ramana, B. K. D. Singh and J. A. Parihar, *Journal of Chemical Research*, 760 –761, (2004).
23. A New and Convenient Synthesis of 15*H*-16,17-Dihydrocyclopenta[*a*] phenanthrene Derivatives, J. A. Parihar, M. M. Jaiswar and M. M. V. Ramana, *Indian Journal of Chemistry, Sectioin-B*. 44 B, 1500 – 1504, (2005).
24. Short Synthesis of New 13, 16-Diazaestrone and 13, 16- Diazaequilenin Analogs, J. A. Parihar and M. M. V. Ramana, *Journal of Brazalian Chemical Society*, 16(4), 881 – 883, (2005).
25. Photocyclization of 1-(2-halophenyl)-3,4-dihydro-6,7-dimethoxyisoquinolines: a short and new synthesis of triclisine, M. M. V. Ramana, R. H. Sharma and J. A. Parihar*Tetrahedron Letters.* 46, 4385 – 4386, (2005).
26. Annulation strategy for the biomimetic synthesis of cis-fused diterpenoids, Shanta S. Bhar and M.M.V.Ramana, *Tetrahedron Letters*. 47, 7805 – 7807, (2006).

PAPERS PRESENTED IN VARIOUS CONFERENCES / SYMPOSIUM / WORSHOPS

1. Poster presentation at 7th IUPAC Conference held in New Delhi from 4th to 9th Feb 1988.
2. Poster presentation at 7th IUPAC Conference held in Nancy, France, from 4th to 9th July 1990.
3. Oral presentation at National Symposium On Recent Advances In Chiral Synthesis held in Hyderabad from 2nd to 3rd April 1995.

4. Poster presentation at 14th Annual Conference of Indian Council of Chemists held in Mumbai from 28th to 30th December 1995.

PATENTS FILED

1. "A Novel Process For Preparaing Substantially Enanatiomerically Pure 2-(2-Chlorophenyl)– (6,7-Dihyd Ro- 4h-Thieno [3,2,C] Pyridine –5- Yl- Acetic Acid Amide" Patent Application No. : 1059/MUM/2005. Date : 01- Sep – 05

2. "A Novel Process For Preparaing Substantially Enanatiomerically Pure (+) Alpha – Ethyl –2-Oxo-Pyrrolidineacetic Acid, (-) Alpha – Ethyl – 2- Oxo-Pyrrolidineacetic Acid And (S) – Alpha –Ethyl- 2-Oxo-Pyrrolidineacetamide" Patent Application No. : 1545/MUM/2005. Date : 13- Dec – 05

3. "A Novel Process For Preparaing Substantially Enanatiomerically Pure (-)-Alpha – Ethyl –2-Oxo-Pyrrolidineacetic Acid From The (+) - Alpha – Ethyl – 2-Oxo -Pyrrolidineacetic Acid " Patent Application No. : 1546/MUM/2005. Date : 13- Dec – 05

4. "A Novel Process For Preparaing Substantially Enanatiomerically Pure (+)-2-(2-Chloro Phenyl)- 6,7-Dihydro-4h-Thieno[3,2,C]Pyrid-5-Yl-Acetic Acid Methyl Ester" Patent Application No. : 15/MUM/2006. Date : 04- Jan – 06

5. "A Novel Process For Preparaing Substantially Enanatiomerically Pure (+)-2-(2- Chloro Phenyl)- 6,7- Dihydro-4h-Thieno[3,2,C]Pyrid-5-Yl-Acetic Acid Methyl Ester" Patent Application No. : 16/MUM/2006. Date : 04- Jan – 06

6. "A Novel Process For Preparing Substantially Enanatiomerically Pure 2-(2-Chlorophenyl)-(6,7-Dihydro- 4h-Thieno [3,2,C] Pyridine-5-Yl-Acetic Acid Amide"Patent Application No. : 135/MUM/2006 Date : 27-Jan-06

MEMBERSHIP OF PROFESSIONAL SOCIETIES

- Member of BUCTU