

CURRICULUM-VITAE

(Updated September 2018)



Name of Faculty : Prof. Dhananjay H More

Designation : Professor and Director,
School of Chemical Sciences,
Kavayitri Bahinabai Chaudhari
North Maharashtra University, Jalgaon-425001 (MS), India

Date of Birth : 1 June 1967

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Education Qualification : M.Sc., Ph.D., SET

Sr. no.	Degree	Subject	University	Year of Passing
1	Ph. D.*	Chemistry	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Earlier : North Maharashtra University, Jalgaon)	2004
2	SET	Organic Chemistry	--	1995
3	M.Sc.	Organic Chemistry	Pune University,Pune (Earlier : North Maharashtra University, Jalgaon)	1991
4	B.Sc.	Chemistry	Pune University,Pune (Now: SavitribaiPhule Pune University, Pune)	1989
*Title of Thesis: Application of Microwave Irradiation Techniques for the Synthesis of Biologically Active Compounds. *Research Guide: Prof. P. P. Mahulikar				

Field of Research : Synthesis of Bioactive Heterocyclic Compounds and Azo Compounds, Green chemistry, Microwave Assisted Reactions and solid state reaction, medicinal chemistry, Phytochemicals, Prodrug synthesis, Microencapsulation.

Teaching Experience : 26 years

Sr. No.	Designation	College / University	Duration
1	Lecturer	Dr. A. D. G. Bendale Mahila Mahavidyalaya, Jalgaon	28/07/1992 - 4/01/2000
2	Sr. Lecturer	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Earlier : North Maharashtra University, Jalgaon)	5/01/2000 - 7/08/2010
3	Professor	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Earlier : North Maharashtra University, Jalgaon)	Since 8/08/2010

Research Projects:

Sr. No.	Title of the project	Amount Sanctioned (Rs.)	Funding Agency	Duration
1	Application of Microwave Irradiation Techniques for the Synthesis of Biologically Active Compounds.	12,000 /-	Minor Research Project- University Grants Commission, New Delhi.	2001-2003
2	Design and Synthesis of Piperazines and Benzimidazoles as Potent Antifilarial Agents.	17,07,300/-	Council of Scientific and Industrial Research (CSIR) Govt. of India, New Delhi.	2008 – 2011
3	Evaluation of Antiulcer activity of Newer Benzimidazoles.	9,14,000 /-	University Grants Commission, New Delhi.	2011 – 2014
4	Design, synthesis of Chemosensor and application in environment and pharmaceutical analysis	500000/-	SERB, DST	2015-16

List of M.Phil. Students

Sr. No.	Name of Research Student	Date of Reg.	Title of M.Phil.	Status
1	Mr. S. M. Koshti	2007	Synthesis and characterization and bioassay of Azo compounds	Awarded
2	Mr. J. N. Sonar	2007	A Study of Antimicrobial Activity of Novel Piperazines	Awarded

List of Ph. D Students (Awarded)

Sr no.	Student Name	Title	Date of registration	Status (Viva-voce date)
1	Mr. Atul Eknath Sonawane	Synthesis, Characterization And Bioassay Of 1, 4-Benzothiazine Compounds”	21/04/2006	Awarded (15/02/2011)
2	Mr. Shyam Maharu Bhosale	Development of Greener Methodology in Organic Synthesis	12/05/2008	Awarded (08/06/2012)
3	Mr. Yogesh Ashok Pawar	Synthesis, Characterization And Bioassay Of Nitrogen Compounds as a Bioactive agents.	21/04/2006	Awarded (20/09/2012)
4	Mr. Pramod Subhash Nagle	Synthetic Approach For Heterocycle Containing Thymol	26/09/2007	Awarded (23/07/2013)
5	Ms. Rita Pratap Mahajan	Evaluation of Antimicrobial Potency of Aqueous and Organic Extracts of Some Medicinal plants	12/05/2008	Awarded (25/09/2013)
6	Mr. Girish Bansilal Patel	Synthesis, Characterisation and Bioassay of Derivatives of Benzimidazole	21/04/2006	Awarded (30/09/2013)
7	Mr. Bhartkumar Murlidhar Sapkal	“Evaluation of Antimicrobial potency of Nitrogen Containing Heterocyclic Compounds”.	12/05/2008	Awarded (10/04/2014)
8	Mr. Rahul Raghunath Mahire	“Design, Synthesis And Study Of Control Release of Some Prodrugs”	20/01/2012	Awarded (07/08/2018)
9	Ms. Deepika Sanjay	Development Of Taste Masking	06/ 5 /2013	Awarded

	Agrawal	Formulations Of Drugs.		(28/12/2017)
10	Mr. Devanand Kashinath Patil	“ Development Of Microencapsulation Formulations Of Some Biologically Active Agents”	06/ 5/ 2013	Awarded (28/12/2017)

List of PhD Student (working)

Sr no.	Student Name	Title	Date of registration	Status (Viva-voce date)
1	Mr. Shivaji Madhukar Koshti	Synthesis and Characterization of Azo Compounds as a Prodrug of Some Therapeutic Compound.	20/01/2012	Thesis Submitted
4	Mr. Paresh Gopal Patil	Synthesis of biologically active compounds using eco-friendly Methodology.	23/8/2013	Under process
5	Ms. Veena Ashok Uddhage	"Design And Synthesis Of Cationic And Anionic Sensing Agents And Used In Molecular Recognition."	06/ 5/ 2013	Under process
6	Mr. Dilip Baliram Tayade	Docking Simulation, Synthesis and Biological Evaluation of Nitrogen Heterocycles.	06/ 5 /2013	Under process
7	Ms. Kanchan Damade	--	--	Under process

List of Papers Published in Journals:

1. Microwave assisted one pot synthesis of N-substituted phenyl-4-thiophenyl-2-azetidinones as potent antimicrobial agents, **D. H. More**, N. S. Pawar and P. P. Mahulikar. *J. Sci. & Ind. Res.*, 62, 1024, 2003.
2. Microwave-assisted synthesis of thymyl ethers and esters in aqueous medium. **D. H. More**, S.L. Patil, N.S. Pawar & P. P. Mahulikar. *Russian journal of General Chemistry*, 74(2), 244-245, 2004.
3. Microwave assisted solvent-free o-alkylation and acylation of Thymol and Geraniol using fly ash as solid support. **D. H. More**, D.G. Hundiwale, U.R. Kapadi and P.P. Mahulikar. *J. Sci. & Ind. Res.*, 65, 817-820, 2006.

4. Microwave assisted rapid and efficient synthesis of aryl methyl ketones and keto esters using Meldrum's acid; **D. H. More** and P. P. Mahulikar. *Indian J. Chem* 45(B), 823-825, 2006.
5. Fly ash supported synthesis of 2-mercaptobenzothiazole derivatives under Microwave irradiation; H. P. Narkhede, U. B. more, D. S. Dalal, N. S. Pawar, **D. H. More**, P. P. Mahulikar. *Synth. Commun.*, 37(4), 575, 2007.
6. Synthesis of Azo Compounds Containing Thymol Moiety; S. M. Koshti, J. P. Sonar, A. E. Sonawane, Y. A. Pawar, P. S. Nagle, P. P. Mahulikar and **D. H. More**; *Indian J. Chem.* 47(B), 329-825, 2008
7. Synthesis and Evaluation of Antibacterial and Antifungal Activity of phenyl 2-(3,4-dihydro-3 oxo-2H-benzo[b][1,4]thiazin-2-yl)acetate; A. E. Sonawane, Y. A. Pawar, P. S. Nagle, P. P. Mahulikar, D. D. Narkhede and **D. H. More**; *OCAIJ*, 5(2), 117 - 121, June 2009.
8. Synthesis of 1,4-benzothiazine compound containing isatin moieties as antimicrobial agent; A. E. Sonawane, Y. A. Pawar, P. S. Nagle and **D. H. More**; *Chinese J. Chemistry*, 27, 2049 -2054, 2009.
9. Microwave assisted synthesis of 1,4-benzothiazine esters; S. M. Bhosale, Y. A. Pawar, A. E. Sonawane, P. S. Nagle and **D. H. More**; *OCAIJ*, 5(3), 321 - 324, June 2009.
10. Evaluation of In vitro Antimicrobial activity of Phytochemicals and Extracts of *Enicostemma littorale*; R. P. Mahajan, S. M. Bharambe, P. P. Mahulikar, **D. H. More**. *Journal of Pure and Applied Microbiology*, Vol. 4 No. 1, 379-385, 2010.
11. Microwave induced Synthesis of 1,4-benzothiazine bearing Azitedinone and Thiazolidinone Moieties; A. E. Sonawane, Y. A. Pawar, P. S. Nagle, S. M. Bhosale, P. P. Mahulikar and **D. H. More**; *Research Journal of Chemistry and Environment*, 165-168, 2009.
12. Ionic liquid prompted synthesis of schiff bases of vanillin in aqueous medium; S. M. Bhosale, Y. A. Pawar, A. E. Sonawane, P. S. Nagle, and **D. H. More**; *Research Journal of Chemistry and Environment*, 247-48, 2009.
13. Synthesis of 1,4- benzothiazine compound containing isatin moieties as antimicrobial agent; Y. A. Pawar, A. E. Sonawane, P. S. Nagle, P. P. Mahulikar and **D. H. More**; *International Journal of Current Pharmaceutical Research* 3(3), 47-51, 2011.
14. Synthesis, Characterisation and in silico studies of 2, 4, 6 trisubstituted pyridimine containing thymol as a Selective Adenosine A₁ Receptor Antagonists; P. S. Nagle, Y. A.

- Pawar, A. E. Sonawane, S. M. Bhosale and **D. H. More**; *Journal of Pharmaceutical Research* 4(11). 2011.
15. Synthesis and Evaluation of antioxidant and antimicrobial properties of thymol containing pyrimidones; P. S. Nagle, Y. A. Pawar, A. E. Sonawane, S. M. Bhosale and **D. H. More**; *Medicinal Chemistry Research*, DOI 10.1007/s 00044-011-965-7.
 16. Microwave assisted one pot synthesis of Nitrogen and Oxygen containing heterocycles from acyl Meldrum's acid; **D.H. More** and P.P. Mahulikar; *Indian J. Chem.* 50B, 2011, 745-747.
 17. Synthesis and biological evaluation of some new N-Substituted benzimidazoles containing tetrazoles moiety.; Girish B. Patel . Yogesh A. Pawar .Bobba. V. Sivakumar and **Dhananjay H. More**. *Journal of Pharmaceutical Research* 2011,4(9),3200-3202.
 18. Synthesis and *In Vivo* anti-inflammatory activity of some 4-aryl-5-cyno-6-methyls-3 substituted pyrimidines and 4-aryl-5-cyno-6-ethyl-3-substituted pyrimidines; **D. H. More** and B. M. Sapkal; *Journal of Pharmacy Research* 2011,4(9),3200-3202.
 19. Evaluation Of Anticoagulant Activity Aqueous And Ethenolic Extracts And Their Isolated Phytochemicals Of Some Medicinal Plants; Rita Mahajan and **Dhananjay More**. *International Journal of Pharmacy and Pharmaceutical Sciences*, Vol 4, Suppl 4, 2012.
 20. Synthesis and docking studies of 4-aryl-1-phenyl-1*H*-pyrazol-5-ylimino-2- methoxy phenyl acetate as antibacterial agents; Bharatkumar M. Sapkal and **Dhananjay H. More**. *Der Pharma Chemica*, 2013, 5(6):164-172.
 21. Docking simulation, synthesis and biological evaluation of novel pyridazinone containing thymol as potential antimicrobial agents; Pramod Nagle, Yogesh Pawar, Atul Sonawane, Shyam Bhosale & **Dhananjay More**; *Med Chem Res* (18 January 2012 / Accepted: 26 July 2013) DOI 10.1007/s00044-013-0685-2.
 22. Thymol: Synthesis, Reactions & Its Spectrum Of Pharmacological And Chemical Applications; P. S. Nagle, Y. A. Pawar, A. E. Sonawane, A. P. Nikum, U. D. Patil and **D. H. More**.; *Indo American Journal of Pharmaceutical Research*, 2013, 3(9): 7549.
 23. Synthesis and characterization of benzimidazole derivatives by sonogashira coupling and evaluation of anthelmintic activity; G. B. Patel, R. R. Mahire and **D. H. More**. *Der Pharma Chemica*, 2013, 5(6):369-376.

24. In Vitro Study of Inhibition of α - amylase by Phytochemicals, Aqueous and Ethanol Extracts of Some Medicinal Plants”. Rita P. Mahajan, Rahul R. Mahire and **Dhananjay H. More***; *International Journal of Pharmacognosy*, 2014; Vol. 1(8): 1000-06.
25. "Fabrication of organogels achieved by prodrug-based organogelators of ketoprofen”. Rahul R Mahire, Deepika S Agrawal, Devanand K Patil and **Dhananjay H More***; *RSC Adv.*, 2014, 4, 33286.
26. Synthesis, characterization and controlled release study of polyurea microcapsules containing Metribuzin herbicide.Devanand K. Patil, Deepika S. Agrawal, Rahul R. Mahire, **Dhananjay H. More**; *Russian Journal of Applied Chemistry*, 2015, Vol. 88, No. 10, pp. 1692–1700.
27. Evaluation of Moxifloxacin Hydrochloride Release Potential From PVA Based Hydrogel; Deepika S. Agrawal, Rahul R. Mahire, Devanand K. Patil, **Dhananjay H. More**; *International Journal of Drug Formulation And Research*. IJDFR volume 6 Issue 5 Sep-Oct 2015.
28. Synthesis, characterization and controlled release studies of ethyl cellulose microcapsules incorporating essential oil using an emulsion solvent evaporation method.Devanand K. Patil, Deepika S. Agrawal, Rahul R. Mahire, **Dhananjay H. More**; *American Journal of Essential Oils and Natural Products* 2016; 4(1): 23-31
29. Nutraceutical Formulation Of Groundnut Oil Cake And Study Of Drug Release At Various pH. Deepika S. Agrawal, Devanand K. Patil, Rahul R. Mahire and **Dhananjay H. More**; *International Journal of Life Sciences and Review (IJLSR)*; IJLSR, 2016; Vol. 2(2): 29-36.
30. Synthesis, Antimicrobial and Antioxidant Activity of Pyrazole Based Sulfonamide Derivatives; Jagdish R. Badgujar, **Dhananjay H. More**, Jyotsna S. Meshram; *Indian J Microbiol*; doi.org/10.1007/s12088-017-0689-6.
31. Synthesis, Characterization, in vitro Antimicrobial, and Anthelmintic Evaluations of N-(4, 6-dimethylpyrimidin-2-yl)-4-((2-hydroxynaphthalen-1-yl) diazenyl) Benzene Sulfonamide and Its Metal (II) Complexes.; Jagdish R. Badgujar, **Dhananjay H. More**, Jyotsna S. Meshram; *Modern Organic Chemistry Research*, Vol. 2, No. 2, May 2017.
32. Bahule B.B, Mahajan R P. and **More D.H**, Antioxidant activity of of wood and Leaf Extract of *Achyranthes aspera* using Radical scavenging method. *Int J Chem Sci.*,15(4), 2017.

33. Synthesis, Characterization, in vitro Antimicrobial, and Anthelmintic Evaluations of N-(4, 6-dimethylpyrimidin-2-yl)-4-((2-hydroxynaphthalen-1-yl) diazenyl) Benzene Sulfonamide and Its Metal (II) Complexes; Jagdish Badgujar, **Dhananjay More**, Jyotsna Meshram; Modern Organic Chemistry Research, Vol. 2, No. 2, May 2017
34. "Preparation of Gallic Acid-Anhydride Conjugate and Evaluation of Prodrug Release through PVA-Based Hydrogel"; Rahul R Mahire, Deepika S Agrawal, Devanand K Patil and **Dhananjay H More***; *Pharmaceutical Chemistry Journal (Springer)* Vol. 52, No. 2, May, 2018.

Proceedings of International/National Conferences:

1. Knoevenagel Condensation: An Efficient Green Approach.
Bhosale Shyam, Pawar Yogesh, Sonawane Atul, Nagle Pramod and **More Dhananjay**. International Conference on Chemical, Biological & Environmental Engineering (CBEE 2009), Singapore, 436 - 439.
2. International conferences on Chemistry and Environment Proceedings of ICCE-2009, Thailand: 247-249, (2009).

Articles/Book:

1. Microwave assisted organic Reactions - An integrated part of green chemistry.
D. H. More and P. P. Mahulikar, *Chemical Weekly*, June 28, 2005
2. Fly ash: an economic and viable alternative stationary phase and column packing material for chromatography.
N.S.Pawar, V.P.Nikumbh, D.S.Dalal, **D. H. More** and P. P. Mahulikar *Chemical Weekly*, March 15, 2005.

Paper Presented in Conferences:

1. Synthesis and Characterization of Prodrug based Organogelators of Ketoprofen. **International conference on global opportunities for latest developments in chemistry and technology – 2014, (GOLD-CT-2014); 6-8 Feb 2014.**
2. Development of nutraceuticals, taste masking formulation of veterinary drug by microencapsulation followed by adsorption; **International conference on global opportunities for latest developments in chemistry and technology – 2014, (GOLD-CT-2014); 6-8 Feb 2014.**

3. Development of Microencapsulation Formulation of Biologically Active Agents. (Pesticides and Drugs); **International conference on global opportunities for latest developements in chemistry and technology – 2014, (GOLD-CT-2014); 6-8 Feb 2014.**
4. Solvent Free Synthesis Of Enaminones Catalysed By Nano Calcium Carbonate; **International conference on innovations in chemistry for sustainable development;** (ICSD-2011),01-03 December 2011.
5. Microwave induced Synthesis of 1,4-benzothiazine bearing azetidinone and thiazolidinone moieties" ", **International Congress of Chemistry and Environment ICCE-2009**, Ubonratchathani, Thailand, January, 21-23, 2010.
6. Synthesis of 1,4-benzothiazine compounds containing isatin moieties as antimicrobial agent”, **International Conference on “Emerging Trends in Chemistry”**,organized by University of Pune, Pune, January, 5-7, 2010.
7. Synthesis and In-vitro Antimicrobial activity of 5-Styryl-(1,3,4)- thiadiazole -2-Sulfonamide”, **International Conference on “Emerging Trends in Chemistry”**,organized by University of Pune, Pune, January, 5-7, 2010.
8. Knoevenagel Condensation: An Efficient Green Approach **International Conference on Chemical, Biological & Environmental Engineering (CBEE 2009)**,organized by Nan-Yang Technological University, Singapore, 9-12, Oct.2009.
9. Synthesis, Characterization and Evaluation of Antimicrobial properties of Azo Compounds” of 2-Benzimidazole” **International Conference on nanomaterials and applications (ICNAMA-2008)**,organized by Department of Chemistry, Shivaji University, Kolhapur. December 9-11,2008
10. Synthesis of 1,4-benzothiazine aryl esters as a bioactive agents” **National Conference on Development and Analysis of Drugs**, organized by School of Chemical Sciences, North Maharashtra University, Jalgaon, March 15,2008.
11. Synthesis of new 1, 4-benzothiazine bearing thiazolidinone and azetidinone moieties and evaluation of their antimicrobial activity” **National Conference on Drug Design & Synthesis**, organized by Dr. Babasaheb Ambedkar collage, Nagpur, January, 18-19, 2007.
12. Synthesis of new 2- substituted Benzimidazole bearing thiazolidinone and azetidinone moieties and evaluation of their antimicrobial activity” **International Conference on Advances in Drug Discovery Research**, organized by Aurangabad University, Aurangabad, January 11-12, 2006.

13. Synthesis, Characterization and Bioassay of some 1, 4 benzothiazines” **National Conference on Recent Trends in Synthetic Organic Chemistry**, organized by North Maharashtra University, Jalgaon, December, 16-17, 2005.

Invited Lecture:

1. Refresher course at Babasaheb Ambedkar Marathwada University, Aurangabad
2. Refresher course at UDCT , North Maharashtra University, Jalgaon
3. Orientation course at School of Chemical Sciences, North Maharashtra University, Jalgaon
4. Delivered lecture on MORE – Green Approach at State Level Conferences on “Recent Trends in Synthetic Reagent” at Sciences College, Shahada, (M.S.) India. Delivered lecture on Green Chemistry at State Level Conferences at Satana (Dist: Nasik).
5. Delivered lecture on Green Chemistry at State Level Conferences Kannad College.
6. Current prospective and trends inorganic chemistry of biomolecules" organized by college of pharmacy, Sakegaon -Bhusawal on 30/01/2018
- 7.
