

CURRICULUM-VITAE

(Updated August2020)



Name of Faculty : Prof. Dhananjay H More
Designation : Sr. Professor and Director,
School of Chemical Sciences,
Kavayitri Bahinabai Chaudhari
North Maharashtra University, Jalgaon-425001 (MS), India
Date of Birth : 1st June 1967
Email : dhmore@rediffmail.com, dhmore@nmu.ac.in
Contact number office : 0257-2258432
Mobilenumber : 09423045000
Education Qualification : M.Sc., Ph.D., SET

Sr. No.	Degree	Subject	University	Year of Passing
4	Ph. D.*	Chemistry	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Earlier : North Maharashtra University, Jalgaon)	2004
3	SET	Organic Chemistry	Pune University, Pune (Now: Savitribai Phule Pune University, Pune)	1995
2	M.Sc.	Organic Chemistry	Pune University, Pune (Now: Savitribai Phule Pune University, Pune)	1991
1	B.Sc.	Chemistry	Pune University, Pune (Now: Savitribai Phule 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 :

1. Synthesis of Bioactive Heterocyclic Compounds and Azo Compounds
2. Green chemistry, Microwave Assisted Reactions, and solid-state reaction,
3. Medicinal chemistry, Phytochemicals, and Prodrug synthesis
4. Microencapsulation.

Administrative Experience :

1. **Director** of School of Chemical Sciences.
2. **Member**, Academic council Committee.
3. **Head**, Department of Analytical Chemistry in School.
4. **Incharge**, Internet laboratories in school.
5. **Director**, Central Assessment Program (CAP) in School of Chemical Sciences.
6. **Member**, Board of studies (BOS), KBC North Maharashtra University Jalgaon.

Contribution to University activities:

1. Served as chairman/Member of LIC committees.
2. Vice Chancellor representative nominee for the selection of assistant professor for colleges and university level.
3. Observer for the University Level, Avishkar 2018-2019, North Maharashtra University, Jalgaon 425 001.
4. Participation in all programmes/activities of University/Schools/Departments, such as Guru Poornima celebration, Teachers day, Natational Science day, plantation, conferences, workshops, seminars, campus interview, counselling, guidance, NET / SET coaching, industry visits, etc.

Teaching Experience : 26years

Sr. No.	Designation	College / University	Duration
1	Lecturer	Dr. A. D. G. Bendale Mahila Mahavidyalaya, Jalgaon	28/07/1992-4/01/2000
2	Lecturer	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Earlier : North Maharashtra University, Jalgaon)	5/01/2000-31/10/2001
3	Sr. Lecturer	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Earlier: North Maharashtra University, Jalgaon)	01/11/2001-31/10/2006

4	Reader	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Earlier : North Maharashtra University, Jalgaon)	01/11/2006- 08/08/2010
5	Professor	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Earlier : North Maharashtra University, Jalgaon)	Since 8/08/2010

Research Projects: (04)

Sr.No.	Title of the project	AmountSanctioned (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, NewDelhi.	2001-2003
2	Design and Synthesis of Piperazines and Benzimidazoles as Potent Antifilarial Agents.	17,07,300 /-	Council of Scientific and IndustrialResearch (CSIR) Govt. of India, NewDelhi.	2008 –2011
3	Evaluation of Antiulcer activiry of Newer Benzimidazoles.	9,14,000 /-	University Grants Commission, New Delhi.	2011–2014
4	Design, synthesis of Chemo-sensor and application in environment and pharmaceutical analysis	5,00,000/-	SERB, DST	2015-2016
5	Special Assistance Programme (SAP, DRS -I) (Synthesis & Development of Polymers) Co-ordinator: Dr. P. P. Mahulikar & Dy.Coordinator: Dr. D. H. More	45,00,000/-	Special Assistance Programme (SAP, DRS -I)	2004 2009
Total (Rs.)		76,33,300/-		

❖ List of M.Phil. Students

Sr.No.	Nameof Research Student	Date of Reg.	Title of M.Phil.	Status
1	Mr. S. M. Koshti	2007	Synthesis andcharacterization andbioassay of Azo compounds	Awarded

2	Mr. J. N. Sonar	2007	A Study of Antimicrobial Activity of Novel Piperazines	Awarded
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List of Ph. D Students (Awarded)

Sr no.	Student Name	Title	Date of registration	Status(Viva-voce date)
1	Dr. Atul Sonawane	Synthesis, Characterization and Bioassay of 1, 4-Benzothiazine Compounds	21/04/2006	Awarded (15/02/2011)
2	Dr. Shyam Bhosale	Development of Greener Methodology in Organic Synthesis	12/05/2008	Awarded (08/06/2012)
3	Dr. Yogesh Pawar	Synthesis, Characterization and Bioassay of Nitrogen Compounds as a Bioactive agents.	21/04/2006	Awarded (20/09/2012)
4	Dr. Pramod Subhash Nagle	Synthetic Approach for Heterocycle Containing Thymol	26/09/2007	Awarded (23/07/2013)
5	Dr. Ms. Rita Mahajan	Evaluation of Antimicrobial Potency of Aqueous and Organic Extracts of Some Medicinal plants	12/05/2008	Awarded (25/09/2013)
6	Dr. Girish Patel	Synthesis, Characterisation and Bioassay of Derivatives of Benzimidazole	21/04/2006	Awarded (30/09/2013)
7	Dr. Bharatkumar Murlidhar Sapkal	Evaluation of Antimicrobial potency of Nitrogen Containing Heterocyclic Compounds	12/05/2008	Awarded (10/04/2014)
8	Dr. Rahul Raghunath Mahire	Design, Synthesis and Study of Control Release of Some Prodrugs	20/01/2012	Awarded (07/08/2018)
9	Dr. Ms. Deepika Sanjay Agrawal	Development of Taste Masking Formulations of Drugs.	06/ 5 /2013	Awarded (28/12/2017)
10	Dr. Devanand Patil	Development of Microencapsulation Formulations of Some Biologically Active Agents	06/ 5 /2013	Awarded (28/12/2017)
11	Dr. Shivaji Madhukar Koshti	Synthesis and Characterization of Azo Compounds as a Prodrug of Some Therapeutic Compound.	20/01/2012	Awarded (22/03/2019)
12	Dr. Jagdish Badgujar	Synthesis and biological evaluation of new Heterocyclic sulphonamide Derivatives (Guide Prof. Jyotsna S. Meshram)	06/05/2013	Awarded (14/03/2020)

13	Mr. Paresh Gopal Patil	Synthesis of biologically active compounds using eco-friendly Methodology.	23/08/2013	15/07/2021
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❖ **List of PhD Student: (working)**

Sr no.	Student Name	Title	Date of registration	Status (Viva-voce date)
1	Ms. Veena Ashok Uddhage	"Evaluation of Pharmacological Activity of Some Ethno – Medicinal Plants from North Region of Maharashtra State, India"	06/05/2013	WORKING
2	Ms. Kanchan Damade	Design and Synthesis of Azo Cationic and Anionic Chemosensing Agents.	22/05 / 2018	WORKING
3.	Ms Hemlata Wani	Application Of Nanoparticles And Ionic Liquid To Study Aggregation And Binding Equilibria Involving Aqueous Solution Of Cationic Dyes	16/03/2020	WORKING

❖ **List of Papers Published in Journals:**

1. Microwave assisted one pot synthesis of N-substituted phenyl-4-thiophenyl-2-azetidinones as potent antimicrobial agents, **Dhananjay 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. **Dhananjay 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 flyash as solid support. **Dhananjay 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; **Dhananjay 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, **Dhananjay 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 **Dhananjay 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 **Dhananjay 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 **Dhananjay 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 **Dhananjay 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, **Dhananjay 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 **Dhananjay 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 **Dhananjay 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 **Dhananjay 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 **Dhananjay 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 **Dhananjay H More**; *Medicinal Chemistry Research* 2012, 21, 1395–1402

16. Microwave assisted one pot synthesis of Nitrogen and Oxygen containing heterocycles from acyl Meldrum's acid; **Dhananjay 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 H More**; *Medicinal Chemistry Research* 2014, 23, 918-926.
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 Dhananjay 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 **Dhananjay H More** *Der Pharma Chemica*, 2013,5(6):369-376.
24. Phytochemical screening of aqueous and ethanol extracts of some medicinal plants and in-vitro study of inhibition of α -amylase. Rita P. Mahajan, Rahul R. Mahire and **Dhananjay H. More***; *International Journal of Pharmacognosy*, 2014; Vol. 1(8): 501-506.
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 Advances* 2014, 4, 33286-33291.
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-Oct2015.
 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.*, 2018, 58, 93-99.
 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, May2017.
 32. Bahule B.B, Mahajan R P. and **Dhananjay H More** 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, May2017
 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) 2018, 52(2), 139-144.
 35. ZnO@SnO₂ Mixed Metal Oxide as an Efficient and Recoverable Nanocatalyst for the

Solvent Free Synthesis of Hantzsch 1, 4-Dihydropyridines. Sapkal, B. M., Labhane, P. K., Disale, S. T., & **Dhananjay H More** *Letters in Organic Chemistry*, 2019, 16(2), 139-144.

36. Chitosan-SO₃H (CTSA) an efficient and biodegradable polymeric catalyst for the synthesis of 4, 4'-(arylmethylene) bis (1 H-pyrazol-5-ol) and α -amidoalkyl- β -naphthol's. Patil, P. G., Sehlangia, S., & **Dhananjay H More**, *Synthetic Communications*, 2020, 50(11), 1696-1711.
37. L-proline based ionic liquid: A highly efficient and homogenous catalyst for synthesis of 5-benzylidene-1,3-dimethylpyrimidine-2, 4, 4(1H, 3H, 5H)-trione and pyrano (2,3-d) pyrimidine diones under ultrasonic irradiation, Patil, P. G., and **Dhananjay H More**, *Synthetic Communications*, 2020,

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 /Review

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.
3. N.S.Pawar, V.P.Nikumbh, D.S.Dalal, **D. H. More** and P. P. Mahulikar *Chemical Weekly*, March 15, 2005.
4. **Recent Advances in synthesis and applications of substituted ureas**
Bharatkumar Sapsal S.T Disale, R. B. Toche, Dhananjay More
Current Organic Chemistry 2021,25,1894-1922

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 developments in chemistry and technology – 2014, (GOLD-CT-2014); 6-8 Feb 2014.**
4. Solvent Free Synthesis of Enaminones Catalyzed 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 azitedinone 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 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. Delivered lecture in Current Prospective and Trends Inorganic Chemistry of Biomolecules organized by college of pharmacy, Sakegaon -Bhusawal on 30/01/2018.
