

Research Profile

Dr. Ravindra Himmatrao Patil

PhD (Biotechnology)
Professor and Head
Department of Microbiology,
R.C. Patel Arts, Commerce and Science College, Shirpur



Contact Information:

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Karvand Naka, Shirpur, Dist: Dhule, 425 405, (M.S.) INDIA
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Email: ravi_nmu@yahoo.co.in

Educational Qualifications:

- **Ph.D. (Biotechnology) 2011**
School of Life Sciences, North Maharashtra University Jalgaon (M.S.) India
Ph.D. by Thesis Title “*Studies on hypocholesterolemic agents from microbial and plant sources*”
- **M.Sc. (Microbiology) 2004**
School of Life Sciences, North Maharashtra University, Jalgaon (M.S.) India
- SET (Life Sciences) 2004, University of Poona and Govt. of Maharashtra.
- **B.Sc. (Microbiology) 2002**
North Maharashtra University, Jalgaon (M.S.) India

Teaching experience (UG and PG, Microbiology and Biotechnology): 19 years

Teaching:

UG level: Theory and Practical Courses
PG level: Theory and Practical Courses

- Molecular Biology,
- Immunology,
- Industrial & Bioprocess Technology,

- Animal Cell Culture

Research interest and experience:

Since last 18 years actively engaged in:

- Bioactive secondary metabolites of microbial and plant origin
- Fungal hypolipidemic agents, Endophytic microorganisms and their applications
- Nanobiotechnology

Awards and Achievements

- **Awarded with the Young scientists award by DST, New Delhi under fast track scheme** and sanctioned sum of Rs. 22.34 Lacs in the form of project grant for three years for the proposal “*Bioprospecting of microbial endophytes in indigenous plant(s) for obtaining molecules with hypolipidemic potential*” in the year 2012
- **Qualified State Eligibility Test** (accredited by UGC) for lectureship (SET-FEB 2004) in the subject of life sciences.
- Received best teacher award of Shirpur education Society and R. C. Patel Educational Trust under API category (2017-18, 2018-19)

Profession development and membership:

- Member, Association of Microbiologists of India (AMI), New Delhi
- Member, Biotech Research Society of India (BRSI), New Delhi
- Member, Bhaskaracharya Research Institute (BRI), Maharashtra
- Member, Vijnana Bharti, New Delhi

Administrative and other responsibilities handled:

1. Working as head of the Microbiology and Biotechnology Department from 2010 till date
2. Member BoS, Life Sciences, KBCNMU, Jalgaon (2017 till date).
3. Member, BoS, Microbiology, CK Thakur College, Panvel (2016-17)
4. Member, BoS, Microbiology, MJ College, Jalgaon, (Autonomous) (2022 till date)
5. Member, Faculty of Science and Technology, KBCNMU, Jalgaon (2022 till date).
6. Member, Board of Research, KBCNMU, Jalgaon (2022 till date)
7. Member, IP cell, KBCNMU, Jalgaon
8. Member, University Academic Audit cell KBCNMU, Jalgaon (2020-21)
9. Chairman, Examination and paper setters board UG and PG
10. Chairman, Committee of syllabus restructuring, UG and PG, Biotechnology and Microbiology

11. Coordinator, District level Avishkar (2019)
12. Chairman: PhD Viva voce committee
13. Conferences and workshops organized and coordinated: 08
14. Conferences and workshops attended:48
15. Established the AMI unit at Shirpur (AMI NM Unit, Shirpur) and working as president of unit

Leadership experience

- Worked as head of the Department of Microbiology and Biotechnology
- Coordinator, Internal Quality Assurance Cell (IQAC), R.C. Patel Arts, Commerce and Science College, Shirpur.(2018-19),
- Coordinator, NAAC reaccreditation III cycle of the R.C. Patel Arts, Commerce and Science College, Shirpur.(2019-20),
- Dy. Coordinator, AICTE sponsored FDP programme on leadership development, 2021

Serving on Editorial and reviewers Boards

- Editorial board member of Journal of Journal of Pharmacy and nutrition (2018-2019).
- Reviewer, Pharmaceutical Biology, Heylion, Current microbiology
- Reviewer, Journal of chemical technology and Biotechnology

Details of Ph. D Students: awarded and ongoing:

| Sr. no | Name of the student | Title of the thesis | Year of the award |
|--------|-----------------------------|---|-------------------|
| 1. | Mrs. Mohini P. Patil | Probing the microbial endophytes in indigenous medicinal plant(s) for production of biologically active compounds | 2017 |
| 2. | Late Mr. Bhushan S. Bhadane | Studies on biological activities and In vitro propagation of some members of family apocynaceae | 2018 |
| 3. | Mr. Shreyas P. Kumbhare | Understanding the factors influencing gut bacterial composition of children: a health perspective | 2020 |
| 4. | Mr.Vikas S. Patil | Diversity in structure and function of gut microflora of seed borers | 2020 |
| 5. | Ms. Jaishree S. Pawar | Phytosynthesis of metal nanoparticles using plant tubers and their biological activities” | 2022 |
| 6. | Mr. Samadhan G. Patil | Bioprospecting of hypolipidemic agents in Indian medicinal plants | Ongoing |
| 7. | Miss. Kalyani C. Patil | Development of cost effective plant bistimulants using agrow waste | Ongoing |

| | | | |
|----|--------------------------|---|---------|
| 8. | Miss. Vishali M. Songire | Microbial antioxidative enzymes and their biomedical application | Ongoing |
| 9. | Ms. Amruta A. Joshi | Endophyte mediated biosynthesis of metal nanoparticles and their application against staphylococcal exoenzymes. | Ongoing |

Ongoing and completed research Projects:

1. Bioprospecting of endophytic fungi in indigenous medicinal plants for obtaining the molecules with hypolipidemic potential (Principle Investigator) (File no. SR/FT/LS-43/2012) dated 15/08/2012.

Funding Agency : DST, New Delhi
Amount sanctioned : 22.34 lacks.
Status of the project : Completed

2. Bioprospecting of hypolipidemic agents in Indian medicinal plants for the management of the hyperlipidemia. (Principle Investigator) (File No. 42-456/2013(SR) dated 22/03/2013

Funding Agency : UGC, New Delhi
Amount sanctioned : 10.22 lacks.
Status of the project : Completed

3. Screening of fungi for production of biotechnologically important. (Principle Investigator) 21/09/2010 (File No. MRP, 47-1324/10 WRO)

Funding Agency : UGC, WRO, Pune
Amount sanctioned : 1.10 lacks.
Status of the project : Completed

4. Development of high value poultry feed from agro waste using microbial consortia for livelihood development (Waste to wealth) (Principle Investigator, NMU/11/RGS&TC/354/2014 dated 06/8/2014, 10-01-2015 to 09-01-2017

Funding Agency : RGST&C, Govt. of Maharashtra
Amount sanctioned : 2.5 lacks.
Status of the project : Completed

5. "Bioprospecting of novel pancreatic lipase (PL) inhibitors from endophytic fungi of indigenous plants" (Principle Investigator, ICMR letter no. 45/12/2018/BMS/TRM dated 6/6/2018, 1st May, 2018 to 1st May, 2020

Funding Agency : ICMR, New Delhi
Amount sanctioned : 12.50 lacks.
Status of the project : Ongoing

Total amount of research funding generated so far: 56.86 lack

Research publications: 45

Review articles published: 08

Books: 03

Research Publications indices (Google scholar citations as on July, 2023)

ORCID ID: <https://orcid.org/0000-0003-2731-3413>

<https://scholar.google.com/citations?user=AdPP2J4AAAAJ&hl=en>

| | All | Since 2016 |
|-----------|------------|-------------------|
| Citations | 867 | 684 |
| h-index | 18 | 14 |
| i10-index | 21 | 19 |

Publications and knowledge generation:

- Research papers:35
- Review papers:02
- Book chapters:08
- General articles:02
- International books: 02 (Springer Nature, Singapore)
- Text book:02

Research publications:

1. Rani A. Shinde, **Ravindra H. Patil** and Vijay L. Maheshwari (2023) Screening of pancreatic lipase inhibitory and antioxidative activity of select Indian Medicinal plants *Int. J. Pharmacol. Bio. Sci. Vol. 17(1) 2023, 33-48 Issn - 0973-6808*
2. **Ravindra Patil**, Samadhan Patil, Vijay Maheshwari, Mohini Patil (2021). Inhibitory kinetics and mechanism of pentacyclic triterpenoid from endophytic *Colletotrichum gigasporum* against pancreatic lipase, International Journal of Biological Macromolecules. Volume 175, 270-280, <https://doi.org/10.1016/j.ijbiomac.2021.02.036> **(IF 8.20)**.
3. Mohini P. Patil, **Ravindra H. Patil, Vijay L. Maheshwari** (2020) Microbial transformation of crop residues into a nutritionally enriched substrate and its potential application in livestock feed. SN Appl. Sci. 2:1140 | <https://doi.org/10.1007/s42452-020-2949-z> **(IF 2.6)**.

4. Pawar, J.S. & **Patil, R.H.** (2020) Green synthesis of silver nanoparticles using *Eulophia herbacea* (Lindl.) tuber extract and evaluation of its biological and catalytic activity SN Appl. Sci.:2: 52. <https://doi.org/10.1007/s42452-019-1846-9>. **(IF 2.6)**.
5. Mohini P. Patil, **Ravindra H. Patil** (2019) Data on the inhibitory effect of endophytic fungi of traditional medicinal plants against pancreatic lipase (PL), Data in Brief, Volume 27, 104797, DOI: [10.1016/j.dib.2019.104797](https://doi.org/10.1016/j.dib.2019.104797) **(IF 1.23)**.
6. Sandip Patil, Bhushan Bhadane, and Leena Shirsath, **Ravindra Patil** & Bhushan Chaudhari (2019): Steroidal fraction of *Carissa carandas* L. inhibits microbial hyaluronidase activity by mixed inhibition mechanism, Preparative Biochemistry and Biotechnology, DOI: 10.1080/10826068.2018.1541811 **(IF 2.90)**.
7. Bhushan Bhadane, Vijay Maheshwari, **Ravindra Patil** (2018) Quercetin and silver nitrate modulates organogenesis in *Carissa carandas* (L.) by inhibiting auxin transport and ethylene action. In vitro Cellular and Developmental Biology-Plants **(IF 2.7)**
8. Shreyas V. Kumbhare, Himanshu Kumar, Somak P. Chowdhury, Dhiraj P. Dhotre, Akihito Endo, Jaana Mättö, Arthur C. Ouwehand, Samuli Rautava, Ruchi Joshi, Nitinkumar P. Patil, **Ravindra H. Patil**, Erika Isolauri, Ashish R. Bavdekar, Seppo Salminen³ & Yogesh S. Shouche (2017) A cross-sectional comparative study of gut bacterial community of Indian and Finnish children. Scientific Reports 7: 1055.1-13 DOI:10.1038/s41598-017-11215-y **(IF 4.9)**
9. Mohini Patil, **Ravindra Patil**, Bhushan Bhadane, Shahid Mohammad, Vijay Maheshwari (2017) Pancreatic lipase inhibitory activity of phenolic inhibitor from endophytic *Diaporthe arengae*, Biocatalysis and Agricultural Biotechnology, (10) 234-238. [10.1016/j.bcab.2017.03.013](https://doi.org/10.1016/j.bcab.2017.03.013) **(IF 1.0)**.
10. Bhushan S. Bhadane, **Ravindra H. Patil** (2017) Isolation, purification and characterization of antioxidative steroid derivative from methanolic extract of *Carissa carandas* (L.) leaves, *Biocatalysis and Agricultural Biotechnology*, 10,216-223. [10.1016/j.bcab.2017.03.012](https://doi.org/10.1016/j.bcab.2017.03.012) **(IF 1.0)**.
11. Mohini Patil, Ravindra Patil, Shahid Mohammad, Vijay Maheshwari (2017). Bioactivities of phenolics-rich fraction from *Diaporthe arengae* TATW2, an endophytic fungus from Terminalia arjuna (Roxb.), *Biocatalysis and Agricultural Biotechnology*, Volume 10, pp 396-402, <https://doi.org/10.1016/j.bcab.2017.05.002>. **(IF 1.0)**.
12. Shahid Iqbal Mohammed, Manoj Zumberlal Chopda, **Ravindra Himmatrao Patil**, Kishor Sukhlal Vishwakarma, Vijay Laxminarayan Maheshwari (2016) In vivo antidiabetic and antioxidant activities of *Coccinia grandis* leaf extract against

streptozotocin induced diabetes in experimental rats, *Asian Pacific Journal of Tropical Disease*, 6(4)298-304. 10.1016/S2222-1808(15)61034-9 (IF 0.7)

13. Bhushan S. Bhadane, **Ravindra H. Patil** (2016). Data on the cost effective surface sterilization method for *C. carandas* (L.) seeds and callus induction from aseptic seedling *Data in Brief*, Vol.7, 1551–1555 [doi:10.1016/j.dib.2016.04.047](https://doi.org/10.1016/j.dib.2016.04.047) (IF 1.3).
14. S. G. Patil, M. P. Patil and **R. H. Patil**, (2016). In vitro anti-hypercholesterolemic activity of *Calotropis procera* (Aiton) using human erythrocytes *Biocatalysts and Agricultural Biotechnology*. 5: 104–110. /dx.doi.org/10.1016/j.bcab.2016.01.002 (IF 1.0).
15. Samadhan G. Patil, Bhushan S. Bhadane, Mohini P. Patil, Sateesh Belemkar and **Ravindra H. Patil** (2016). In vitro antioxidant activity, oral toxicity studies and preliminary phytochemical characterization of bark extract of *Terminalia arjuna* (L) *Journal of Pharmacy and Nutrition Sciences*, Vol. 6, 15-21 IF 0.54).
16. **R. H. Patil**, M. P. Patil and V.L. Maheshwari (2015). Rapid chromatographic determination and structural confirmation of β -hydroxy acid form of lovastatin in the fermentation broth of *Aspergillus terreus* PM03. *Pharmaceutical Chemistry Journal* Vol. 49: 6, 419-424 DOI 10.1007/s11094-015-1298-5 (IF 0.8)
17. Vikas S. Patil, Rahul C. Salunkhe, **Ravindra H. Patil**, C. Husseneder, Yogesh S. Shouche, et al. (2015). *Enterobacillus tribolii* gen. nov., sp.nov. a novel member of the family Enterobacteriaceae, isolated from the gut of a red flour beetle, *Tribolium castaneum*. *Antonie van Leeuwenhoek* 107:1207-1216. (IF 2.2). DOI 10.1007/s10482-015-0412-8
18. **R. H. Patil**, M. P. Patil and V.L. Maheshwari (2015). 'Biological activities and identification of bioactive metabolite from endophytic *Aspergillus flavus* L7 isolated from *Aegle marmelos*' *Current Microbiology*. 71, 1 pp 39-48. (IF 2.4). DOI10.1007/s00284-015-0805-y
19. S. G. Patil, M. P. Patil, V.L. Maheshwari and **R. H. Patil**, (2015). In vitro lipase inhibitory effect and kinetic properties of di-terpenoid fraction from *Calotropis procera* (Aiton). *Biocatalysts and Agricultural Biotechnology* 4:4, 579-585 <http://dx.doi.org/10.1016/j.bcab.2015.08.014> (IF 1.0)
20. M.P. Patil1, **R.H. Patil**, S.G. Patil1 and V.L. Maheshwari (2014). Endophytic Mycoflora of Indian Medicinal Plant, *Terminalia arjuna* and their Biological Activities. *International Journal of Biotechnology for Wellness Industries*, 53-61 3, 01-09DOI: 10.6000/1927-3037.2014.03.02.3

21. **R. H. Patil**, M. P. Patil and V.L. Maheshwari (2014). Isolation and HPTLC densitometric analysis of rutin in the broth extract of endophytic *Aspergillus flavus* from *Aegle marmelos*. *Journal of Biologically Active Products from Nature*. Volume 4, Issue 5-6, 371-376. DOI: [10.1080/22311866.2014.961099](https://doi.org/10.1080/22311866.2014.961099)
22. Mohini P. Patil, **Ravindra H Patil**, Vijay L. Maheshwari (2013). A novel and sensitive agar plug assay for screening of asparaginase-producing endophytic fungi from *Aegle marmelos*. *Acta Biologica Szegediensis* 56(2):175-177. (IF 1.0).
23. Brahmanekar S., Patil S., Bhadane B., Patil M and **Patil R** (2013). Preliminary phytochemical investigation and antibacterial activity of *Caesalpinia bonducella* linn. *International Journal of Biotechnology and Biosciences* 3(3) 186-190.
24. **Patel S, Patil M & Patil R** (2012). Biosorption of reactive dyes by pellets of *Aspergillus ochraceus* (ncim-1140) and *Rhizopus oryzae* (NCIM-997) *International Journal of Biotechnology and Biosciences* 2 (2): 214-218.
25. **R. H. Patil**, K. Prakash, and V.L. Maheshwari. (2011). Production of lovastatin by wild strains of *Aspergillus terreus*. *Natural Product Communications*. 6 (2)183-186 (IF 1.25) I: [10.1177/1934578X1100600207](https://doi.org/10.1177/1934578X1100600207)
26. **R. H. Patil**, K. Prakash and V. L. Maheshwari (2011). Hypolipidemic effect of *Terminalia arjuna* (L.) in experimentally induced hypercholesteremic rats *Acta Biologica Szegediensis* 55(2):, 1-5. (IF 1.0)
27. **R. H. Patil**, K. Prakash and V.L. Maheshwari (2010). Hypolipidemic effect of *Celastrus paniculatus* in experimentally induced hypercholesterolemic Wistar rats. *Indian Journal of clinical Biochemistry* 25 (4) (IF 0.23). DOI: [10.1007/s12291-010-0050-x](https://doi.org/10.1007/s12291-010-0050-x)
28. **R. H. Patil**, M. P. Patil, S. S. Patel and V. L. Maheshwari (2010). Probing the microbial endophytes in a indigenous plant for production of biologically active metabolites *Journal of Advances in Science and Technology* Vol 13(3), pp. 51-56
29. K. Prakash, **R. H. Patil**, K. S. Vishwakarma and V.L. Maheshwari (2010). Growth Inhibitory Property of Plant Extracts of Family Rubiaceae and Violaceae against *Helicoverpa armigera* (Hübner). *Biopestic. Int.* 6(2):1-7. (IF 0.15).
30. P.V. Joshi, **R. H. Patil** and V.L. Maheshwari (2009). *In vitro* anti diarrhoeal activity and toxicity profile of *Aegle marmelos* Correa ex Roxb. dried fruit pulp. *Natural Product Radiance*. 8(5): 498-502 (IF 0.50)
31. **Patil R. H.**, Chaudhary Bhushan and Settipalli Sailaxmi (2009). Antifungal and Anti aflatoxigenic activity of *Aegle marmelos* Linn. *Pharmacog Mag* 01: 298-301 (IF 1.25)

32. **Patil R. H.**, Settipalli Sailaxmi and Patil H. D. (2009). Asparaginase production by filamentous fungi. *Indian Drugs* 47 (8) 54-57 (**IF 0.25**).
33. **Patil R. H.**, Patil S.V., Rajput J. A., Bhat Javed, Chaudhary R.G. and Chincholkar S.B.(2008). Biotransformation of Rifamycin B to Rifamycin S with free and immobilized cells of *Curvuralia lunata*. *J Pure App Micro* 02: 211-214. (**IF 0.8**).
34. K. Prakash, **R. H. Patil**, K.S. Vishwakarma and V.L. Maheshwari (2008). Bioprospecting for bioactive circular protein(s) in indigenous plants. *J Plant Biol.* 35:1 53-57 (**IF 0.8**)
35. V. L. Maheshwari and **R. H. Patil** (2007) 'Isolation, screening and lovastatin production by wild strains of *Aspergillus terreus*'. *J Pure App Micro* 01: 295-299. (**IF 0.8**)

Conference Proceedings

1. Global food (grain legumes) security and role of biopesticides. International Conference on global food security: concerns and reality.
2. R. H. Patil K. Prakash¹, K. S. Vishwakarma¹ and V.L. Maheshwari¹ Production of Lovastatin by *Aspergillus terreus* using agricultural waste in solid state fermentation
3. K. Prakash¹, R. H. Patil², K. S. Vishwakarma¹ and V.L. Maheshwari¹ Circular proteins and pest management in grain legume storage ecosystem
Proceedings of first Rashtriya Yuva Vaigyanik Sammelan, 28-30 Nov.2008 at NIT, Kurukshetra.
4. Bhushan S. Bhadane.Mohini P. Patil. Ravindra H. Patil Phytochemical investigation and antimicrobial activity of *Tabernaemontana divaricata*.ssvps

Review articles

1. Shreyas V Kumbhare, Dharti V Patangia, **Ravindra H Patil**, Yogesh S Shouche, And Nitinkumar P Patil (2019) Factors influencing the gut microbiome in children: from infancy to childhood *J Biosci.* DOI: 10.1007/s12038-019-9860-z (**IF 1.88**)
2. Bhushan S. Bhadane Mohini P. Patil, Vijay L. Maheshwari and **Ravindra H. Patil** (2018) Ethnopharmacology, phytochemistry and biotechnological advances of family Apocynaceae: A review. *Phytotherapy Research* 1-30 (**IF 7.28**)
<https://doi.org/10.1002/ptr.6066>

Book Chapters

3. Patil, S., Patil, M., Maheshwari, V.L., Patil, R.H. (2022). Pancreatic Lipase (PL) Inhibitors from Medicinal Plants and Their Potential Applications in the Management of Obesity. In: Maheshwari, V.L., Patil, R.H. (eds) Natural Products as Enzyme Inhibitors. Springer, Singapore. https://doi.org/10.1007/978-981-19-0932-0_7
4. Patil, M., Patil, S., Maheshwari, V.L., Zawar, L., Patil, R.H. (2022). Recent Updates on In Silico Screening of Natural Products as Potential Inhibitors of Enzymes of Biomedical and Pharmaceutical Importance. In: Maheshwari, V.L., Patil, R.H. (eds) Natural Products as Enzyme Inhibitors. Springer, Singapore. https://doi.org/10.1007/978-981-19-0932-0_4
5. Samadhan Gopal Patil, Mohini Panditrao Patil, Vijay Laxminarayan Maheshwari, and Ravindra Himmatrao Patil (2021) In Situ Probing of Endophyte Natural Products with DESI-Imaging Mass Spectrometry: in R. H. Patil, V. L. Maheshwari (eds.) Endophytes: Potential Source of Compounds of Commercial and Therapeutic Applications, Springer Nature Singapore Pte. Ltd. ISBN 978-981-15-9370-3. <https://doi.org/10.1007/978-981-15-9371-0>
6. Kiran R Marathe, **Ravindra H Patil**, Kishor S Vishwakarma, Ambalal B Chaudhari and Vijay L Maheshwari (2018) Protease inhibitors and their applications: An overview, In: Atta-ur-Rahman, Editor(s), Studies in Natural Products Chemistry, Elsevier, 2018,
7. Mohini P. Patil, Samadhan G. Patil, Bhushan S. Bhadane and **Ravindra H. Patil** (2018). *In vitro* HMG-Coa reductase inhibitory effect and kinetic properties of *Terminalia arjuna* (Roxb.) Wight & Arn. Metabolic Disorders. 47, 1-9.
8. Mohammed S.I., Patil M.P., **Patil R.H.**, Maheshwari V.L. (2017) Endophytes: Potential Source of Therapeutically Important Secondary Metabolites of Plant Origin. In: Maheshwari D., Annapurna K. (eds) Endophytes: Crop Productivity and Protection. Sustainable Development and Biodiversity, vol 16. Springer, Cham
9. **Ravindra H. Patil**, Mohini P. Patil, Vijay Laxminarayan Maheshwari (2016). Bioactive Secondary Metabolites From Endophytic Fungi: A Review of Biotechnological Production and Their Potential Applications, In: Atta-ur-Rahman, Editor(s), Studies in Natural Products Chemistry, Elsevier, 2016, Volume 49, Pages 189-205. 10.1016/B978-0-444-63601-0.00005-3.
10. **R. H. Patil**, K. Prakash, K. S. Vishwakarma and V.L. Maheshwari (2009). Biotechnological production of statins by filamentous fungi and application of these cholesterol-lowering drugs In : Biotechnology Emerging Trends, R.Z. Sayyad, A. S. Patil (Eds) Scientific Publishers, Jodhpur (India) pp 280-292.

General articles/commentary

1. *Bhushan S. Bhadane, Vijay L. Maheshwari, and Ravindra H. Patil. Quercetin and silver nitrate modulate organogenesis in Carissa carandas (L.) In Vitro Report. 52-4-october-december-2018*
2. The emerging menace of plagiarism in Indian higher education system. University News (2013).

Books:

1. Natural Products as Enzyme Inhibitors. Editors: **Patil, Ravindra H., Maheshwari, Vijay L.** (Eds.) Springer, Singapore. https://doi.org/10.1007/978-981-19-0932-0_7, DOIhttps://doi.org/10.1007/978-981-19-0932-0_7 Published 04 May 2022 Publisher Name Springer, Singapore Print ISBN 978-981-19-0931-3
2. Endophytes: Potential Source of Compounds of Commercial and Therapeutic Applications, Editors: **Patil, Ravindra H., Maheshwari, Vijay L.** (Eds.) Springer Singapore, eBook ISBN: 978-981-15-9371-0, Hardcover ISBN: 978-981-15-9370-3, DOI: 10.1007/978-981-15-9371-0 (<https://www.springer.com/gp/book/9789811593703#aboutAuthors>)
3. Apocynaceae Plants (Upcoming) Springer Singapore
4. **Patil Ravindra H.**, Biotechnology (2015), Prashant Publications, Jalgaon, ISBN: 978-93-85021-14-5
5. **Patil, Ravindra H.**, Elementary Microbiology (2015), Prashant Publications, Jalgaon, ISBN: 978-93-85021-63-3

BIODATA

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Email: ravi_nmnu@yahoo.co.in

Permanent Address Plot No. 14, Mayur Colony, Shirpur, Tal: Shirpur, Dist: Dhule-425405 (MS), India

Sex : Male

Nationality : Indian

Date of Birth : 25th May 1980

Marital Status : Married

Languages Known : English, Hindi and Marathi

Educational Qualification :

| Exam / Degree | Year of Passing | Institutions Board / University | Discipline/subject | Marks | Class / Division |
|---------------|-----------------|--|--------------------|-----------------|------------------|
| B.Sc. | 2002 | R.C. Patel ASC College, Shirpur, North Maharashtra University, Jalgaon | Microbiology | 67.0 | First Class |
| M.Sc. | 1999 | North Maharashtra University, Jalgaon | Microbiology | 64.0 | First Class |
| SET | 2004 | University of Pune and Govt. of Maharashtra | Life Sciences | NA | NA |
| Ph.D. | 2011 | KBC North Maharashtra University, Jalgaon | Biotechnology | - -By thesis | |