



Name: Dr. Raghunath Laxman Ghalme

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Department of Botany,

Coordinator of IQAC

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3. **Educational Qualification:** M.Sc., B.Ed., M. Phil., Ph.D.

4. Background:

He is a graduate as well as post graduate student of the Savitribai Phule Pune University with first class. After completing M.Sc, B.Ed, he worked in Jawahar Navodaya Vidhyalaya Belora, Dist. Yavatmal in 2015 as P.G. teacher. He joined Dapoli Urban Bank Senior Science College in June 1997. He acquired M. Phil. degree in August 2008 from Alagappa University (Tamilnadu). He completed dissertation work on '**Studies in Sadavli Sacred Grove of Dapoli, District Ratnagiri (M.S.)**.' under the guidance of Dr. S. S. Deokule, Head & Professor, Department of Botany, University of Pune. He has awarded with Ph.D. degree by Savitribai Phule Pune University on 16th May 2013. The research topic of Ph.D. was "**Ethno-medico-botanical studies on some sacred groves of Dapoli tahsil, district Ratnagiri (M.S.)**". Now he is Associate Professor, recognized teacher for UG as well as M.Sc. Botany by research and theory and also recognized Ph.D. guide in subject Botany of Mumbai University. He is Life Member of Indian Society for Plant Physiology IARI, New Delhi. He is also Yoga Instructor. Actively involves in conservation of sacred groves of Dapoli tehsil.

5. Role in College administration: Co-Curricular and Extra Curricular Activities

University Level

- **Elected member of BOS** in Botany of Mumbai University on 9th Feb. 2018, Now V.C. nominated BOS member in subject Botany of University of Mumbai from 2023-24.

- BOS member in subject Botany of autonomous college Sathe College Mumbai and ASP college Devrukh, Dist. Ratnagiri.
- Playing a role as Subject expert in Botany in the interview panels of Mumbai University for appointment of Associate Professors.
- Working as member of LIC of Mumbai University
- Played role as **Judge** for P.G. & Ph D. Projects in **Avishkar – a research Convention** 2015-16 at C.K.T. College Panvel on 21st Dec. 2015.
- Working as member of Research and Innovation Committee of Konkan founded by Hon. Joint Director, Panvel region from 2019-20

College Level

Head of department, Botany. (From 1997 to till date). **IQAC Coordinator** (2019-20 to till date), Coordinator, M.Sc. Botany. (From 2009 to 2018). **Convener-** Examination department (2004-07), NAAC criterion II (2002-11 to 2018), Sports department (1997-2003, 2010-12 and from 2012-13 to 2018), N.S.S. Programme Officer (2007-08), Library (2012-13), Attendance (2012-13). **Member** - LMC of college (from 1997 to till 2013), Steering Committee (from 1997 to till date), Purchase Committee (1997 to till date), Garden Committee (from 1997 to till date), Internal Quality Assurance Cell. (from 2006 to till date), Past student Association (2004-2006), Library Committee (from 1997 to till date), Youth Festival Committee (2004-06 to till date). Admission committee (from 1997 till date), Building committee (from 1997 to till date), Planning board of college (from 2014-15 to till date), **member** of college development Committee

Teaching

Teaching Botany at undergraduate and post graduate level as well as Horticulture to UG and Certificate course; UG teaching experience – **27** years; PG teaching experience– **15** years

6. Topics of Interest

Ethnobotany, Pharmacognosy, Studies on sacred groves and their conservation, Taxonomy, etc

7. Publications:

Papers Published in International Journal: 16

- Ghalme, R. L. and Deokule, S. S. (2010). Exploration of natural floristic resources with Ethno medicinal point of view of Sadavli Sacred grove of Dapoli Tahsil of Ratnagiri District Maharashtra State (India), *Bionanofrontier*, Vol 3, Issue 2: pp 290-293.
- Ghalme, R. L., Mokhat, D. N. and Deokule, S.S. (2010). Un noticed sacred groves of Dapoli Tahsil of Ratnagiri District (M.S.), *Ethnobotany*, Vol. 22 (1 and 2) pp. 67-72.

- iii) Bagal, J. G., Deokule, S. S. and Ghalme, R. L. (2012). Assessment of Floristic Diversity of Daund Tahsil from Pune District (Maharashtra)., *Bionanofrontier*, Vol 5, Issue 1: pp 63-65.
- iv) Borate, P. P., Disale, S. D. and Ghalme, R. L. 2013. Studies on Isolation, Analysis and Antimicrobial properties of Coconut shell oil. In *International Journal of Advanced Scientific and Technical Research*. Vol. 2 (3). pp. 146-157.
- v) Ghalme, R. L. and Deokule, S. S. (2013). Threatened and Endemic ethno-medicinal plants of sacred groves of Dapoli Tehsil of Ratnagiri District, State Maharashtra (India). In *International Journal of Multidisciplinary Research*., Vol. II, 7(V).
- vi) Ghalme, R. L. and Deokule, S. S. (2014). Role of sacred groves in conservation of ethno - medicinal plants in Dapoli tehsil of Ratnagiri district, Maharashtra (India). *Indian Forester*, 140 (7): 701-706.
- vii) Ghalme R. L. (2015). Ethno-medicinal plant antidotes of Dapoli Tahsil, District Ratnagiri (M.S.). *International Journal of Multidisciplinary e-Journal*, Vol-IV, Issue –VII, July 238-241.
- viii) Ghalme R. L. (2017). Studies on floristic diversity of fresh water marshy places of Dapoli tehsil of Ratnagiri District from Maharashtra State (India). *Bionano frontier*, Vol 10(1) January - June: pp 13-18.
- ix) Ghalme R. L. (2018). phytosociological studies on Wanzaloli sacred grove of Dapoli tahsil, district Ratnagiri (M.S.), India. *International Journal of Researches in Biosciences, Agriculture and Technology. (I J R B A T)*, Issue (VI), Vol. I, 31-34
- x) Masal, V. P., Marathe, S. S., Sathe, G. B. and **Ghalme, R. L** (2018). Allelopathic Effect of Tobacco leaf leachates on germination and growth of *Trigonella-foenum garecum* L., *Electronic Interdisciplinary International Research Journal*. Vol. VII, special issue XII, pp: 71-73.
- xi) Ghalme, R. L. (2019). Ethno Medicinal plants used for control of dysentery and diarrhea from some sacred groves of Dapoli Tahsil of Ratnagiri district, Maharashtra (India). *International Journal of Research*, Vol 8 (2) pp 143-147 (ISSN 2231-6124)
- xii) **Ghalme, R. L.** (2020). Ethno - medicinal plants for skin diseases and wounds from Dapoli Tehsil of Ratnagiri District, Maharashtra (India). *FLORA AND FAUNA*, Vol. 26 No. 1 PP 58-64.
- xiii) Sayekar Habiba A. M., Yemul, N.B. and **Ghalme, R. L.** (2020). Use of mangrove leaves (*Rhizophora mucronath*) extract as a biofertilizer for seed Germination. *FLORA AND FAUNA*, Vol. 26 No. 1 PP 49-57.
- xiv) Ghalme, R. L. (2021). Ethno-medicinal herbs for the treatment of piles and jaundice patients from Dapoli tahsil of Ratnagiri district, (MS) India. *Bengal, Past and Present* Vol. 117, Issue: (IV). Pp 134- 138. ISSN: 0005-8807(UGC CARE list Group Impact Factor-5.70)
- xv) Tarbej Shaikh, Raghunath Ghalme & Girish Potdar (2022). Typification in the genus *Dichanthium* (Andropogoneae: Poaceae). *Phytotaxa* 530 (1): 103–110.
- xvi) Tarbej Shaikh, Raghunath Ghalme, Uday L. Chougule & Girish Potdar (2023). *Capillipedium parviflorum* and *Hemisorghum venustum* (Andropogoneane: Poaceae): Occurrence in India, notes on identity and typification. *Feddes Repertorium*. 00:1–8

Full length Papers Published in International Conference proceedings: 04

- i. Ghalme, R. L. (2017). Ethnobotanical Studies on Wild Nutraceuticals of Dapoli Tehsil of Ratnagiri District (M.S.) India. The proceedings of Interdisciplinary International Conference on Mainstreaming The Marginalized: Perspectives in Humanities, Commerce and Science., Vol. **VIII**, 28th Jan. 2017, Pp -101-104.
- ii. Ghalme, R. L and Awale, S.M. (2017). Studies on Allelopathic effects of aqueous leaf extracts of *Cyathocline purpurea* (Buch. -Ham.exD.Don) Kuntz. and *Blumea lacera* (Burm.f.) DC. on seed germination and growth of plumule and radicle of *Vigna radiata* L. The proceedings of Interdisciplinary International Conference on Mainstreaming The Marginalized: Perspectives in Humanities, Commerce and Science., Vol. **VIII**, 28th Jan. 2017, pp. 59-64
- iii. Shruti Awale, R. L. Ghalme & Monika Fernandis (2023). Studies on Production of Bioplastic from Starchy plant parts and Biodegradability. The proceedings of Online International Conference On “Frontiers in Biological Sciences” organized by Zoology dept., Dapoli Urban Bank Senior Science College Dapoli, Dist Ratnagiri On 11 March 2023
- iv. Bangi M. Dawood & R. L. Ghalme (2023). Studies on Allelopathic Effects of Bryophytic Extracts on seed germination and seedling Growth of Fenugreek. The proceedings of Online International Conference On “Frontiers in Biological Sciences” organized by Zoology dept., Dapoli Urban Bank Senior Science College Dapoli, Dist Ratnagiri On 11 March 2023

Paper/ Chapter / Book published in e-book/ Books:05

- i. G. G. Anjarlekar, R. L. Ghalme and V. P. Masal, Studies on ectoparasite control of Chickens by using *Hyptis suaveolens* (L.) Poit. 2018. Growth: Measures to improve growth and various uses, by Pratap Naikwade (Ed), Lambert Academic publishing, USA. pp. 57-66
- ii. Trushali B. Chavan, V. P. Masal and R. L. Ghalme 2021. Study on Medicinal and Traditional Festival plants Used in Hindu Religion from Ratnagiri district of Maharashtra’, Research Interventions and Technological Advancements in Plant Sciences. By Dr. Uttam Dethe, Dr. Nivas Desai, Dr. Umesh Pawar and Dr. Vishal Aparadh. Bhumi Publishing Kolhapur (ISBN:978-81-951982-3-8) Pp. 51
- iii. Monica S. Farnandis, S. M. Awale and R. L. Ghalme 2021. ‘Production of Bioplastic from starchy plant parts and study of its Biodegradability’ Research Interventions and Technological Advancements in Plant Sciences. ByDr. Uttam Dethe, Dr. Nivas Desai, Dr. Umesh Pawar and Dr. Vishal Aparadh. Bhumi Publishing Kolhapur (ISBN:978-81-951982-3-8) pp. 75
- iv. Ramesh Kashetti, Deepak Bhaskar Shelke and Ghalme R. L. 2021. Improvements of seed germination of rare and threatened species of *Ceropegia* and its restoration through developed tubers. Recent Trends in Life Science, Energy and Environment, pp. 41-43 (ISBN 978-81-953847-1-6)

- v. Sayekar Habiba & Ghalme R. L. 2021, Leaf architecture and anatomical study of *Arisaema neglectum* Schott. Recent Trends in Life Science, Energy and Environment, pp. 101-106 (ISBN 978-81-953847-1-6)

E- articles published in Eureka -college website

- Phodshi: A rare medicinal plant, Sept. 2021
- Phodshi: *Chlorophytum tuberosum*, Dec. 2021
- Murudseng: A constituent of Aajibaicha Batwa, Eureka-Vol. I (12) Sept. 22
- Entada rheedii: Large pod with high medicinal value, Vol. II (VIII), March 22

Articles Published in Newspapers=02

- i) 'Japa Gaon Parisaratil Devraya' Article published in *Agro-One* on 15th July 2012
- ii). 'Vanaushadhinche Bhandar' Article published in Daily Newspaper *Lokmat* on 30th Aug. 2012.

Articles Published in College Magazine=02

8. Conference/Seminar Papers Presented: State: 02, National: 13, International: 11, Total=26

9. Seminars/ Conferences /workshops attended: 83

10. Research Projects Completed: 04

- 1) Completed Minor Research Project funded by University of Mumbai (Rs. 7000/-) on '**Ethno medico botanical survey of sacred grove of Mugiz, Tahsil Dapoli, Dist. Ratnagiri (M.S.)**' during 2009-2010.
- 2) Completed Minor Research Project funded by University of Mumbai (Rs. 26400/-) on '**Phyto-sociological studies of Wanzaloli sacred grove of Dapoli Tahsil, District Ratnagiri (M.S.)**'. during 2012-13.
- 3) Completed Minor Research project of University '**Studies on floristic diversity of fresh water marshy places of Dapoli tehsil of Ratnagiri district (M.S.)**.' Total grand sanctioned Rs.25000/- during 2015-16
- 4) Completed Minor Research project of university, '**Studies on vascular wall flora of Dapoli tehsil of Ratnagiri district (M.S.)**.' Total grand sanctioned Rs.35000/- during 2021-22

11. ORIENTATION / REFRESHER / SHORT TERM COURSE COMPLETED (FDP)

- i. Completed Orientation Course from **08/11/2002 to 05/12/2002** conducted by Academic Staff College Pune, University of Pune-7.
- ii. Completed Refresher Course in Life Science Conducted by Dept. of Botany, Pune University, Pune from **05/01/2005 to 25/01/2005**.
- iii. Completed Refresher Course in Environmental Science Conducted by Dept. of Environmental Science, Pune University, Pune from **01/03/2013 to 21/03/2013**.
- iv. Completed seven days Faculty Development programme for senior faculty of science (Botany) conducted at V. P's A. S. and C. College Baramati Dist. Pune from 02/02/2015 to 08/02/2015 organized by UGC- ASC funded by Savitribai Phule Pune University. (Short Term Course).

v. Completed UGC sponsored, a weeklong Short-Term Course on **Gender Sensitization** at Human Resource Development Centre, Goa University, Goa, from **19/03/2019 to 25/03/2019**.

vi. Successfully completed One Week Online Faculty Development Program on **ICT Tools for Effective Teaching Learning**, from **11th to 16th May 2020**, organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.

12. Professional and social Activities/Achievements

- i. Organized **National Conference** in College on Herbal and Traditional Medicines on 6th and 7th Feb. 2009., Played a role as **Yoga Teacher**, in “**Yoga Shibir**” at Burondi, Tal. Dapoli, Dist. Ratnagiri for local people and NSS students of D. U. B. Sr. Sc. College, Dapoli From **4th Dec. to 10th Dec. 2010 and 30th Nov. 2009 to 6th Dec. 2009, 31st Dec. 2016 to 02 Jan. 2017 at Kadivli.**, Visited some schools of Dapoli Tahsil and given lectures to students and teachers on subject, Atomic Energy and their applications for Society and also on General Science to increase the interest of rural students in science, in Month of January, 2010., Awareness about conservation of sacred groves of Dapoli Tahsil by visits to various villages and by oral communication during 2006 to till date., Blood donated to Shree Swami Samarth Blood Bank, Dervan (Federation at Bombay Blood Bank) in Blood donation camp, organized by N.S.S. Unit D.U.B.Sr. Sc. College, Dapoli, Dist. Ratnagiri on 21st February 1999, 4th February 2001, 14th July 2007 and on 11th Aug. 2011., Worked as Polling Officer in Maharashtra legislative Assembly 2009, Gram Panchayat Election 27th June, 2010, in Election Of P. S. and Z.P. on 28th Jan. 2012., Election of Grampanchayat on 21st Dec. 2012., as a Presiding Officer, in Election of Loksabha on 24th April. 2014., Organized study tours for students to botanically important areas., Played a role in organization and arrangement of Experiments for students of various schools on the occasion of Vidyan Jagar., Organized tree plantation programme in college campus and Botanical Garden and special focus is on conservation of endemic and RET plants. Worked as Presiding Officer in Maharashtra legislative Assembly 2019 on 21st Oct. 2019 at Shrungartali (Guhagar).

13. Extension: Actively involved as guide for local flora and sacred groves to study tours of botany students of different colleges and people.

14. Major activities organized/Chaired sessions:

- Chaired Technical session, In International Conference on Environment Development and Sustainability on 15th Dec. 2018, Organized by Dept. of Bot., Athalye, Sapre and Pitre college Devrukh.
- Chaired technical session in State Level Seminar, ‘Emerging and innovative Trends in Life Sciences’ organized by Eknath Sitaram Divekar College Varvand, Tal Daund, Dist Pune, on 17th and 18th Feb. 2020.
- Chaired technical session in Two days Online National Conference on, ‘Recent trends in Life Science, Energy and Environment’ organized by Dapoli Urban Bank Senior Science College Dapoli Dist Ratnagiri on 24th & 25th September 2021.

- Resource person for the guest lecture on ‘Sacred groves-concept, importance and threats’ to celebrate Vanmahotsav, held DBT Star Scheme on 6th July 2021 by NES Ratnam College Mumbai
- Worked as Seminar Co-Chair of One day International Seminar on Emerging trends in Chemical Sciences organized by Chemistry dept. DUBSSC Dapoli on 17 Feb. 2023.
- Worked as Conference Co-Chair of One day International Conference on Frontiers in Biological Sciences organized by Zoology dept. DUBSSC Dapoli on 11 March 2023.
- Organized exhibition of medicinal plants on occasion of Republic Day in the college on 26th Jan. 2023
- Field oriented workshop on “Environment Botany” From 24th to 26th December 2004 organized by B.O.S. in Botany and Dapoli Urban Bank Senior Science College, Dapoli, Dist. Ratnagiri.
- Participated in One day workshop on “Methodology of Peer Team visit in Revised system’, organized by IQAC, Dapoli Urban Bank Senior Science college Dapoli on 23rd Nov. 2018.
- Worked as Coordinator of one day workshop on Avishkar Convention 2018-19 organized Department of Student’s Development, University of Mumbai at Dapoli Urban Bank Senior Science College Dapoli **on 8th Sept. 2018.**
- Worked as coordinator of One day workshop on “Revised IQAC composition and online submission of AQAR’, organized by IQAC, Dapoli Urban Bank Senior Science College Dapoli on 3rd Jan. 2020.
- Organized Online Covid-19 Awareness programme by NSS in association with IQAC Dapoli Urban Bank Senior Science College Dapoli on 25 April 2020.
- Organized and participated in National Webinar on, ‘Mangrove diversity of Maharashtra’ on 2 June 2020, Organized by Department of Botany and IQAC of Dapoli Education Society’s Dapoli Urban Bank Senior Science College, Dapoli-Ratnagiri (Maharashtra).
- Organized and attended “Three Days Online Workshop on ICT Tools in Effective Teaching Learning” in duration 14 to 16-July-2020 Organized by IQAC of Dapoli Education Society’s Dapoli Urban Bank Senior Science College, Dapoli-Ratnagiri.
- Organized and participated in National Webinar On “Biodiversity and Community Involvement in its Conservation” on 24/07/2020 Organized by Department of Botany and IQAC of Dapoli Education Society’s Dapoli Urban Bank Senior Science College, Dapoli- Ratnagiri (Maharashtra).
- Organized and participated National Webinar On “Wetlands for our Future” on 02/02/2021 on the occasion of World Wetland Day Organized by Department of Botany and IQAC Dapoli Urban Bank Senior Science College, Dapoli- Ratnagiri.
- Organized and participated in One day online workshop on revised syllabus of MSc part-I in association with BOS in subject Botany, University of Mumbai on 7th August 2021
- Organized and participated in National Webinar On “Glances of Biodiversity of Western Ghats” on 17th July 2021, organized by Department of Botany and IQAC Dapoli Urban Bank Senior Science College, Dapoli- Ratnagiri. The Speaker was Dr. Vinod Shimple.

- Organized and participated in National Webinar On “*Spirulina*” on 14th August 2021 and the Speaker was Vikrant Kulkarni.
- Organized and participated in Two days Online National Conference on, ‘Recent trends in Life Science, Energy and Environment’ on 24th & 25th September 2021
- Organized and participated in National Webinar On “The importance of Wetland ecosystems’ on occasion of World Wetland Day on 2nd February 2022. The Speaker was Dr. Rajendra Lavte
- Organized and participated in program ‘Distribution of medicinal plants saplings’ under AYUSH Aapke Dwar in association with Regional –Cum Facilitation Centre Western Region, NMPB, Ministry of AYUSH on 5th March 2022. The Speaker was Dr. D. N. Mokate, Professor, SPPU Pune. Total 200 medicinal plants were distributed to students and farmers.
- Organized and participated in Webinar on ‘Research methodology’ on 7th January 2022. The speaker was Dr. Danish Nawale
- Organized and participated in workshop on filling of form for transfer of DCPS to NPS for staff on 9th Feb 2022 in meeting hall. The Recourse person was Mr. Marathe S. S.
- Organized One Day Workshop on, “Learning Management System” on 24 Sept. 2022 for teaching staff.
- Organized One Day Workshop on, “National Education Policy 2020” on 21st March 2023.
- 29 Organized NAAC funded One Day State Level Seminar on, Quantitative and qualitative Metrics of RAAF of NAAC on 24th Feb. 2023.

15. MEMBERSHIP OF PROFESSIONAL BODIES

- Life Member of Indian Society for Plant Physiology IARI, New Delhi from 29th November, 2007.
- Member of an International Research Journal of Biological Sciences *FLORA AND FAUNA for year 2020-21*. (ISSN 2456 - 9364 (Online)(ISSN 0971 - 6920 (Print)