

Curriculum vitae



1. Name of the Applicant : Dr. Ahilya V. Waghmode
2. Designation : Assistant Professor
3. Institute : Dept. of Botany, Sadguru Gadage Maharaj College, Karad.
4. Mailing Address : 'Guruvarya', Plot no. 11A, Behind Sachi Residency, Near water tank, Rajendranagar, Kolhapur- 416004, Maharashtra, India.
5. Mob : +91-7588595492.
6. Email : waghmode.algae@gmail.com,
: waghmode.algae@sgm.edu.in.
7. Languages Known : Marathi, Hindi, English
8. Educational Qualification: M. Sc., Ph.D., FEAES
9. Blood Group : B+ve
10. Birth Date : 2 May 1983.
11. Native Place : Malshiras (Dist-Solapur)
12. Orcid Id : 0000-0002-9243-9111
13. Scopus Id- : 57204565647

Citations-182, h-index- 5, I 10-index-4

Research Gate Score: 217

Academic Profile

Sr. No.	Degree	University/ Board	Year	Subjects	Class/ Grade
1.	B.Sc.	University of Pune, Pune.	2003	Botany	69.41%
2.	M.Sc.	Department of Botany, University of Pune, Pune.	2005	Botany (Phycology)	'B' grade
3.	Ph. D.	Department of Botany, Shivaji University, Kolhapur.	2013	Botany	Awarded

- **Ph. D. Title** : "Biosorption of heavy metals by using seaweeds".
- **Other Qualifications** : Exam passed Name of the Institution/University Year Percent.
- **PRE- Ph. D.** : Shivaji University, Kolhapur 2009 'B' grade.
- **Teaching Experience** : 14 year

Sr. No.	Name of the Institute	Type of Appointment	Period	Tenure
1.	Department of Botany, Shivaji University, Kolhapur-416004	Visiting lecturer	2007-2008	One year
2.	Department of Botany, Shivaji University, Kolhapur-416004	Teaching assistant	2009-2010	One year
3.	Gopal Krishna Gokhale College, Kolhapur	Assistant Professor Temporary	2013-2014	One year
4.	Rajarshi Chh. Shahu College, Kolhapur	Assistant Professor Temporary	2014	One year
5.	Rajarshi Chh. Shahu College, Kolhapur	C.H.B. and Principal Investigator, Young Scientist DST-SERB Project.	2015-2018	Three years
6.	Dept. of Botany, Shivaji University, Kolhapur	Assistant Professor (Temporary)	10 th Oct 2018	16 May 2019
7.	Dept. of Botany, Shivaji University, Kolhapur	Assistant Professor (Temporary)	11 th Sept.2019	14 May 2019
8.	Sadguru Gadge Maharaj College, Karad	Assistant Professor and Co-ordinator of Food Science Dept.	5 th June 2020	Till date

Projects Completed Major (01)

1. Project Sanctioned by Department of Science and Technology, Govt. of India, Under SERB Fast Track Proposal for Young Scientist Scheme 2015-2018, entitled “Phytochemical screening of *Sargassum* Spp from West Cost of Maharashtra” under Start-up Research Grant vide Registration No. SERB/LS-138/2014 Dtd. 28th March, 2014. Total cost: 30, 50,000/-.

Projects Completed Minor (03)

1. "Exploration of Phenolic and Flavonoid Compounds from brown algae *Stoechospermum marginatum*. A Minor research project funded by Rayat Shikshan Sanstha's Sadguru Gadge Maharaj College, Karad, 2020-2021 (An Autonomous College under RUSA) worth of Rs.70, 000/-.

2. "Study of current seaweeds biodiversity assessment from Maharashtra coast". A Minor research project funded by Research initiation scheme 2021-2022 to 2024, under Shivaji University, Kolhapur, worth of Rs.1,30, 000/-.

3. Neuroprotective Role of Fucoxanthin Extract in Alzheimer's disease. A minor research project funded by Assistance for Sadguru Research Scheme 2025-2026 for College Faculty (SRSCF), Sadguru Gadge Maharaj College, Karad worth of Rs. 30,000/-.

Life Membership (05)

1. Seaweed Research and Utilization Association, Parangipettai, Tamil Nadu (2019).
2. Mangrove Society of India (MSI), C/o National Institute of Oceanography, Dona Paula, Goa, 403004 (2019).
3. International Women scientist association (IWSA) Mumbai (2018).
4. Microbiologist Society India, Osmanabad (2023).
5. Young Phycological Society International (YPSI) (www.aaribioscience.com) (2023).

Post-Graduation Teacher Recognition-04 June 2022: Ref No.Su/pgbutr/pgt
Recog/8975/360/23/10372

Review Board Member

American Journal of Plant Biology,
International Journal of *Science Info* (IJSI)

Journal Referee

Egyptian Journal of Aquatic Biology and Fisheries, Indian Journal of Geo-Marine Sciences, Journal of Pharmaceutical Research International, Regional studies in Marine Science.

Courses Taught

PG-Marine Botany, Algae, Fungi and Bryophytes, Biodiversity, conservation and utilization. Plant structure, development and reproduction.

UG-Plant Biochemistry, Molecular Biology, Biology of Vascular plants, Plant breeding, Genetics and Biostatistics, Bioinformatics.

Area of Interest: Algal Taxonomy, Seaweeds, Bioremediation, Environmental Technology.

News articles-02 Seaweed Farming, *Spirulina* health benefits, *Spirulina* Cultivation-communicated

Total Books: 09

Research Monograph (01), Book Published (03), Reference Book-(04) Book Editor (02).

Research Monograph

1. Waghmode A.V and Sabale A. B. (2015). Hand Book on Biosorption. Omniscryptum GmbH & Co. Kg.LAP Lambert Academic Publishing, Germany.ISBN:9783659705335.
<https://www.lap-publishing.com/978-3-659-70533-5/9783659705335>.

Text Book and Practical Book of Botany (ALGAE, Nirali Prakashan) (03)

1. A Text book of Cryptogamic Botany (Algae & Fungi) for B.Sc. Botany, Nirali Prakashan (Oct 2021) ISBN- 978-93-5451-239-1.
2. Manual of Practical Botany (Algae & Fungi) for B.Sc. Botany, Nirali Prakashan (Oct 2022) ISBN-978-93-95951-12-8.
3. Hand book of Algal Technology First Year B.Sc. Semester-I, Nirali Prakashan as per NEP New Syllabus. (August, 2024) ISBN-978-93-6109-226-8.

A Reference Book (04)

1. Life Sciences (UGC CSIR NET/SET/SELT)-01, Chapter (02). Nirali Prakashan, ISBN-9788119117048, March 2024 pages 1-1392.
2. Mr.Mahesh Gaikwad, Dr.Grish Kalyanshetti, Dr. Abhijit Mulik and Dr.Ahilya Waghmode, Library Handbook: SGM Karad, Published by Sadguru Gadge Maharaj College, Karad.ISBN:978-81-990407-0-0, 2025.

3. Ahilya Vitthal Waghmode, Vijaya Krishna Nikam, Pratishta Nitin Nagane Kamlakar Harichandra Patil and Manasi Shirish Patil. Plant Metabolites I, Edition first Feb 2026, ISBN: 978-93-88671-53-8, Skylight Publications, Pune.
4. Manasi Shirish Patil, Ahilya Vitthal Waghmode, Vijaya Krishna Nikam, Pratishta Nitin Nagane and Kamlakar Harichandra Patil. Plant Metabolites II, Edition first Feb 2026, ISBN: 978-93-88671-29-3, Skylight Publications, Pune.

Book Editor (02)

1. Dr. Poonam Panaskar, Dr. Kamlakar Patil, Dr. Swati Kharade and **Dr. Ahilya Waghmode**, Title: Research and Reviews in Ethnobotany and Pharmacognosy. Published by Nature Light Publication, Pune, An International Edited Book, 30th Sep. 2024, ISBN-978-81-970663-8-2, pp.
2. Ms. Mahesh Gaikwad, Dr. Girish Kalyanshetti, Dr. Abhijet Mulik and **Dr. Ahilya Waghmode**, Title: Library Handbook. Published by Sadguru Gadge Maharaj College, Karad, 15th August 2025, ISBN: 978-81990407-0-0, pp-1-47.

Book Chapter Published (05)

1. **Waghmode A.V.** 2021. Diversity and distribution of Common Seaweeds from the West Coast of Maharashtra. Book Chapter in Phycobiotechnology, CRC press, Taylor and Francis group, USA. ISBN: 978-1-77188-896(hbk), ISBN: 978-1-00301-951-0(ebk).
<https://www.routledge.com/Phycobiotechnology-Biodiversity-and-Biotechnology-of-Algae-and-Algal-Products/Sangeetha-Thangadurai-Elumalai-Thimmappa/p/book/9781771888967>.
2. Manasi Patil, Poonam Panaskar **Ahilya Waghmode**, Sharada Ghadage, (2024). A Brief Review on Bioprospecting of Passiflora, Title of Book: Emerging Trend in Science and Allied Sciences, Volume: I, Month: 25 February 2024, ISBN NO: 978-81-959483-9-0, pp 270-278. Published by Nature Light Publications, Pune, An International Edited Book.
3. Sharada Jagannath Ghadage, Manasi Shirish Patil, **Ahilya Vitthal Waghmode** and Poonam Shrimant Panaskar (2024). Blue green algal approach in sustainable agricultural Development-Title of Book: Emerging Trend in Science and Allied Sciences, Volume: I, Month: 25 February 2024, ISBN NO: 978-81-959483-9-0, pp 279-283. Published by Nature Light Publications, Pune, An International Edited Book.
4. Sachin Patil, **Ahilya Waghmode** and Manasi Patil (2024) Wheat Bread- IIP Book Series. Futuristic Trends in Agriculture Engineering & Food Sciences e-ISBN: 978-93-5747-486-3 IIP Series, Volume 3, Book 12, Part 2, Chapter 1 Wheat Bread.

5. Varsha Yadav, **Ahilya Waghmode**, Manasi Patil “Silver Nanoparticles as Bio stimulants” Biostimulant and Plant Growth Regulator: Applications and Signaling Mechanism, An International Edited Book, First Edition: 14 January, 2025, ISBN-978-81-981142-7-3, PP: 65-70.

Patents: German (03) (2022) Granted

1. Waghmode A.V. Ghadage, S.J, Panaskar P.S, Patil, H. S, Patil, K.H. and Rajmane, M.M. An Apparatus for Removing Pb (II) Ions from an Aqueous Solution. Grant Certificate for German Application No.202022103534 on 19/09/2022. <https://ideas2ipr.com>. New Delhi.

2. Waghmode A.V. Ghadage, S.J, Panaskar P.S, Patil, H.S. and Patil, K.H, A System for Removal of Lead from Aqueous Solution Using Dried Biomass of Brown Algae. Grant Certificate for German Application No.202022104092 on 29/09/2022. <https://ideas2ipr.com>. New Delhi.

3. Waghmode A.V., Chavan, N.S, Gokhale M.V, Patil P.D. and Telave, Ajit. B. A System for Isolation of Starch from Mangroves. Grant Certificate for German Application No.202022105251 on 27/09/2022. <https://ideas2ipr.com>. New Delhi.

Copyright: (02)

1. Abhiraj Sunil Shinde, **Dr. Ahilya Vitthal Waghmode**, Shriram Prakash Shimpi, Sangram Deepak Patil and Pratiksha Satish Kadam. Formulation of Red Dragon fruit Ice-cream. March11/04/2025, MYCrave consultancy and services, Gujarat Registration No.L-162117/2025.

2. Harshavardhan Rajaram Mahadik, **Dr. Ahilya Vitthal Waghmode**, Dr.Vijaya Nikam, Dr.Prathista Nagane, Dr.Poonam Patil, Dr.Mohan Rajmane MSRTC Application for online Bus Pass. MYCrave consultancy and services, Gujarat. LD-20250167774.

Invited Talks (33)

1. Delivered lecture at “Pradhapak probodini” in Rajarshi Chh. Shahu College, Kadamwadi, Kolhapur on “Biosorption of Heavy metals by using Seaweeds (2014).

2. Guest lecture on “Algae and opportunity in research field” for T.Y.B.Sc. (Botany) students of Shardabai Pawar Mahila Mahavidyalaya (Arts, Commerce, Science and Home Science) Shardanagar, Malegaon (Bk.) Tal-Baramati, Dist: Pune-413115 Maharashtra, India on 26th Jan 2015.

3. Guest lecture on “Algal Biotechnology” for Undergraduate and Postgraduate of Botany, Zoology and Microbiology students of Vidya Pratishthan’s Arts, Commerce, Science and Commerce college, Tal-Baramati, Dist: Pune-413115 Maharashtra, India on 17th Feb 2016.

4. Delivered talk on “Career Guidance” at Mahatma Phule Vidyalaye, Varkute Khurd, Tal-Indapur, Dist- Pune on 24th July 2018.
5. Delivered lecture on “Algae” for T.Y.B.Sc. (Botany) students of Adv. Mohanrao Nanashaeb Deshmukh Arts, Science and Commerce Mahavidyalaya Rajur. (Tal- Akole, Dist-Ahmednagar, Maharashtra, India on 14th Sept. 2018.
6. Guest lecture on “Anatomy of Angiosperms” for Undergraduate of Botany students of Rajarshi Chhatrapati Shahu College, Kadamwadi, Kolhapur, Maharashtra, India on 23th Feb 2019.
7. Guest lecture on “Algal Diversity of Coastal Maharashtra” for Undergraduate of Botany, students of Vidya Pratishthan’s Arts, Commerce, Science and Commerce college, Tal-Baramati, Dist: Pune-413115 Maharashtra, India on 09th Sept. 2019.
8. Guest lecture on “Seaweed natural resources and its uses” for Gadre Marine Export, 3298-A, Mirkarwada, Ratnagiri, Maharashtra on 2nd April 2021.
9. Guest lecture on “Seaweed and its applications” for Undergraduate of Botany, students of S.M. Joshi college, Hadapsar, Dist: Pune-413115 Maharashtra, India on 06th June, 2021.
10. Guest lecture on “Seaweed farming” for Undergraduate of Botany, students of Shrimant Babasaheb Deshmukh Mahavidyalaya, Atpadi, Tal. Atpadi, Dist. Sangli Maharashtra, India on 12th June, 2021.
11. Guest lecture on “Green Practices for Sustainable Agriculture” for Undergraduate of Botany, students of Sadguru Gadage Maharaj College, Karad, Dist: Satara, Maharashtra, India on 09th July, 2021.
12. Guest lecture on “Seaweeds: Applications and scope Green for Sustainable Agriculture” for Under and Post graduate of Botany, students of Sathaye College, Mumbai, Maharashtra, India on 26th August, 2021.
13. Guest lecture on “Herbarium preparation & identification of Algae” for Under and Post graduate of Botany, students of Shardabai Pawar Mahila Arts, Commerce & Science College, Baramati, Pune Maharashtra, India on 31st December, 2021.
14. Guest lecture on “Modern techniques in Plant breeding” for Post graduate of Botany, students of Baburaoji Gholap College Arts, Science & Commerce College, Sangvi, Pune- 411027, Maharashtra, India on 13st February, 2022.
15. Guest lecture on “Workshop on Avishkar Competition” for graduate students of Venutai Chavan Arts & Commerce, College, Vidyanagar, Karad, Dist-Satara, Pin - 415124, Maharashtra, India on 04th October, 2022.
16. Guest lecture on “Techniques of Algal Preservation and Exploration of Fresh water Algae” for graduate and post graduate students of Karmaveer Bhaurao Patil Mahavidyaaya, Pandharpur, Dist-Solapur, Pin - 413304, Maharashtra, India on 26th November, 2022.

17. Resource person for Workshop on “Research in Plant Sciences” for under and Post graduate of Botany, students of Shardabai Pawar Mahila Arts, Commerce & Science College, Baramati, Pune Maharashtra, India on 25th August, 2023.
18. Delivered lecture at One-Day Research Training Workshop for M.Sc.I students of Yashavantrao Chavan Institute of Science, Karmaveer Bhaurao Patil, Research Foundation (KBPRF) (Section 8 Company) Satara on 28th October, 2023.
19. Delivered lecture in Biotech Day Celebration supported by Gov. of Maharashtra at Department of Biotechnology, Shivaji University, Kolhapur for M.Sc.I & M.Sc.II students on “Algal Biotechnology” on 17th January, 2024.
20. Delivered lecture in Arts, Commerce & Science College, Nashik at Department of Botany, Savitribai Phule, Pune University, Kolhapur for M.Sc. students under certificate course on “Algal for Entrepreneurs” on 15th January, 2024.
21. Delivered lecture on “Food Safety & Standards, Food Preservation” by Maharashtra Skills & Employment Development Centre (MSEDC) on 14th 2024 for Central Government Sponsored Pradhan Mantri Formalization of Micro Food Industries (PMFME) Training batch.
22. Resource person for one day Lead College Workshop on “ Intellectual property right” for graduate students of Venutai Chavan Arts & Commerce, College, Vidyanagar, Karad, Dist-Satara, Pin - 415124, Maharashtra, India on 17th February, 2024.
23. Resource person for One day state level **Seminar** on “Conservation of Biodiversity and Coastal Resources” organized by dept. of Botany, Arts, Commerce, Science College, Vaduj, Tal.Khatav Dist.Satara. Maharashtra, India on 24th Feb, 2024.
24. Resource person “Green Practices for Sustainable Agriculture” lecture for the Online **Faculty Induction Programme** organized by course in Environmental Studies, organized by UGC-Malaviya Mission Teacher Training Centre (formerly known as UGC-HRDC), Rani Durgawati Vishwavidyalaya, Jabalpur, MP on 26.09.2024 for college/University teachers participants from various discipline.
25. Resource person “Green Energy Initiatives” lead lecture with charing to assess the participants Seminar for the **refresher course** in Environmental Studies, organized by School of Energy, Environment and Natural Resources on behalf of the Malaviya Mission Teacher Training Centre, Madurai Kamaraj University from 07.11.2024 to 20.11.2024 in the online session for college/University teachers participants from various discipline through online.
26. “Seaweed and *Spirulina* Cultivation” Interview by Sayali Mam on Prasar Bharti Kolhapur (Akashvani-Kisan Wani, Booking No.-ALL I/KISAN/21244197) on 29th May 2025, Boardcasting date: 24th, 26th and 1st June 2025 at 7.30 pm.

27. Resource person for one day workshop on “Avishkar Convention” for Undergraduate of students of Rajarshi Chhatrapati Shahu College, Kadamwadi, Kolhapur, Maharashtra, India on 13th Sep, 2025.
28. Resource person for one day workshop on “Avishkar Convention” for students of Sadguru Gadge Maharaj College, Karad, Maharashtra, India on 12th Sep, 2025.
29. Resource person on “Algal Biotechnology” for B.Sc & M.Sc. Biotechnology students on 01st December, 2025 of Sadguru Gadge Maharaj College, Karad, Maharashtra, India.
30. Resource person on “Gardening ” Workshop for B.Sc. Botany students on 20th December, 2025 of Balwant College, Vita, Maharashtra, India.
31. Resource person on “Algal Biotechnology” for B.Sc students on 20th December, 2025 of Balwant College, Vita, Maharashtra, India under Science Association Programme.
32. Resource person on “Challenges and Opportunities in Marine Biology” workshop for M.Sc students on 30th December, 2025 in Zoology Department, Shivaji University. Kolhapur, Maharashtra, India under PM USHA SOFT Component.
33. Delivered lecture on “Recent trends in Biotechnology” at Department of Biotechnology, Shivaji University, Kolhapur for M.Sc.I & M.Sc.II students on 07th March, 2026.

Awards (08)

1. **Young Scientist award**, Project Sanctioned by Department of Science and Technology, Govt. of India, Under SERB Fast Track Proposal for Young Scientist Scheme 2015-2018, entitled “Phytochemical screening of *Sargassum* Spp from West Coast of Maharashtra” under Start-up Research Grant vide Registration No. SERB/LS-138/2014 Dtd. 28th March, 2014. Total cost: 30, 50,000/-
2. **Best poster presentation award in AVISHKAR 2010-2011**. “Removal of heavy metal ions from wastewater using green and brown algae” (Poster) at university level (2nd Rank in Poster competition) at Shivaji University Kolhapur.
3. **Best poster presentation award in National conference** on “Mangroves and Coastal Resources” (2nd Rank in Poster competition) Organized by Department of Botany, Shivaji University Kolhapur in Association with Mangrove society of India Goa and Mangrove foundation, Mumbai, 12th April, 2019.
4. **Lady Legend of Botany (LLB)**-Appreciation by Shardabai Pawar Mahila Arts, Commerce & Science College, Baramati, Pune Maharashtra, India.
5. **FEAES** (Fellow of Eurasian Academy Environmental Sciences) in 2023.
6. **“Great Tai award -2020”** by Mahindra Jewelers at Shahu Senate Hall, Dasera Chowk.

7. **Rajastariya Shikshanratna Puraskar-2025(State level)** by Maharashtra Patrakar Sang held on 1st June at Sanjay Ghodawat University, Kolhapur.

8. **Ahilyaratna puraskar (State level)** by Ahilyadevi samajik and shashinik trust and All India Dhangar Samaj Mahasang Delhi and -2025 held at yashwantrao chavan Hall, Karad on 15th June.

**Paper Published: 34,
Communicated -02**

**Citations-182, h-index- 5, I 10-index-3
Research Gate Score: 217**

1. Sabale A. B. and Waghmode A. V. (2010). Biosorption of Copper (II) by Brown Seaweed *Sargassum ilicifolium* (Turner) C. Agardh, *The Bioscan*, 5(3): 407-410. ISSN 0973-7049. An International Quarterly Journal of Life Sciences.
2. Waghmode A. V. and Sabale A. B. (2011). Biosorption of Heavy Metals from Industrial wastewater by a Brown Alga *Sargassum ilicifolium* (Turner) C. Agardh, *Advances in Plant Sciences*, 24(II): 523-525. IF- 2.5 by NAAS. ISSN: 0970-3586.
3. Deshmukh B. S. and Waghmode A.V. (2011). Ex-Situ Conservation of some Rare Endemic and Medicinal plant Species from Akole Taluka (MS) India. *Bioscience Discovery*, 2(2):171-173. ISSN: 2229-3469. <http://www.biosciencediscovery.com>. ISSN: 2231-024X.
4. Deshmukh B. S. and Waghmode A. V. (2011). Role of Wild edible fruits as a food resource: Traditional Knowledge. *International Journal of Pharmacy and Life sciences*. 2(7): 919-922. Citations- 47 ISSN: 0976-7126.
5. Waghmode A. V. and Sabale A. B. (2012). Application of *Padina tetrastomatica* for removal of heavy metal ions from wastewater. *Journal of Environmental Research and Development*. 2A (07): 958-963, IF- 0.157. An international research journal of natural SCS. Technology, Social SCS, Law and Management for environment, E-ISSN 2319-5983, ISSN 0973-6921. Citations- 06
6. Waghmode A. V. and Sabale A. B. (2013). Biosorption of lead from aqueous solution by brown seaweeds. *Indian Journal of Applied Research*, IF-0.8215, 3(9), 58-62, ISSN- 2249-555X.
7. Waghmode A. V. and Kumbhar R. R. (2015). Phytochemical Screening and Isolation of Fucoxanthin content of *Sargassum ilicifolium*. *International Journal of Pure and Applied Biosciences*, 3(6):218-222, ISSN: 2320-7051, IF-1.106. DOI: <http://dx.doi.org/10.18782/2320-7051.2180>.

8. Waghmode A.V. and Kumbhar R. R. (2016). Study of Blue-green algae from Lonar Lake. *Indian Journal of Fundamental and Applied Life Sciences*, 6(2), 69-73. 2231-6345, IF-1.54. <http://www.cibtech.org/jls.htm>. ISSN: 2231- 6345.
9. Waghmode A.V. and Deshmukh B. S. (2016). A New report of *Rosenvingea orientalis* (J.Ag.) Boergesen from Ratnagiri District of Maharashtra, India. *Journal of Algal Biomass Utilization*, 7(3): 70-72, ISSN: 2229 -6905.
Waghmode A.V. (2017). Diversity and Distribution of Seaweeds from the West Coast of Maharashtra. *Journal of Algal Biomass Utilization*, 8(3):29-39. ISSN: 2229 -6905.
10. Waghmode A.V. and Khilare C. J. (2018). RP-HPLC profile of major phenolics from brown marine macroalgae. *Journal of Applied Pharmacy*, 10(2):1-5. DOI: 10.4172/1920-4159.1000262, IF- 0.69*; 0.87* ISSN: 1920-4159.
11. Waghmode A.V. and Deshmukh B. S. (2018). A New report of *Hypnea spinella* (C.Agardh), Kutzing from Sindhudurg District of Maharashtra, India. *Indian Journal of Geo-Marine Sciences*, 47(11):2321-2323. IF-0.289, ISSN: 0379-5136 (UGC listed).
12. Bansode, P; Rashinkar, G; Somasundaram, I; Birajdar, A; Mishra, S; Patil, D; Waghmode, A. 2019. Evaluation of Chemical, Antipsoriatic and Antiangiogenic Properties of Salt from Lonar Crater Lake Water. *Asian Journal of Organic & Medicinal Chemistry*, 4(3), 159-165, <https://doi.org/10.14233/ajomc.2019.ajomc-p193> ISSN NO: 2456-893, CODEN: AJOMB2.
13. Waghmode A.V., Narayankar C.U, Nimbalkar M.S and Gaikwad D.K 2019. Exploration of fucoxanthin and astaxanthin in brown algae (*Sargassum* sp.) by high performance liquid chromatography, *Indian Hydrobiology*, 18(1&2):40-49, (UGC care list) ISSN: 0971-6548.
14. Manasi Patil, Nivas Desai, Ahilya Waghmode and D.K. Gaikwad 2020. Effect of Exogenous Application of Plant Growth Regulators on Physiology and Secondary Metabolite Accumulation of *Colubrina Asiatica L. Studia Rosenthaliana* (Journal for the Study of Research) Volume XII, Issue IX, September-2020 ISSN NO: 1781-7838. (UGC care list).
15. Patil Manasi, V. Waghmode Ahilya, Chirag Narayankar, D. K. Gaikwad 2021. Influence of plant growth regulators on fatty acid composition of *Simarouba glauca* DC. *Current Botany*, 12: 1-3. Doi:10.25081/cb.2021.v12.6521 <https://updatepublishing.com/journal/index.php/cb> ISSN: 2220-4822.
16. Ahilya V. Waghmode and Manasi S. Patil (2021) Gas chromatography-high resolution mass spectrometry analysis of *Sargassum* species. *Indian Hydrobiology* 20(1): 1-10. ISSN: 0971-6548.
17. Waghmode A.V, Narayankar C.U, Manasi Patil, Nimbalkar M.S and Harshada Takale (2021). Antioxidant, Antimicrobial and Cytotoxic activity of Some Common Seaweed along West Coast of Maharashtra. *Egyptian Journal of Aquatic Biology and Fisheries*,

Zoology Dept, Faculty of Science, Ain Shams University, Cairo, Egypt. ISSN 1110-6131, Vol. 25(6):129-143. www.ejabf.journals.ekb.eg (Scopus).

18. Manasi Patil, Poonam Panaskar, Chirag Naraynkar, Ahilya Waghmode and D.K. Gaikwad (2021) *Passiflora* a Promising medicinal plant. *Science, Technology and Development Journal*, Volume X Issue XI NOVEMBER 2021 ISSN: 0950-0707, 65-76. (UGC Care list).
19. Manasi Patil, Poonam Panaskar, Chirag Naraynkar, Ahilya Waghmode (2021) Preliminary Phytochemical Evaluation of *Passiflora* Fruits. December| *IJIRT International Journal of Innovative Research in Technology*, Vol 8 Issue 7 |554-557 ISSN: 2349-6002.
20. Educational Configurations of Diwan Bahadur Annasaheb Latthe for Modern India's Social and Economic Upliftment in 23rd International Interdisciplinary Conference Theme (2022). "The Contribution and Achievements of Men in various spheres at National and International Levels organized by BRICS World of Traditions Moscow, Russia, Rayat Shikshan Sanstha's Sadguru Gadge maharaj College, Karad and Snehavardhan Research Institute, Pune, proceeding organized by BRICS World of Traditions Moscow, Russia, Rayat Shikshan Sanstha's Sadguru Gadge maharaj College, Karad and Snehavardhan Research Institute, Pune. Page no.125-134, ISBN 978-93-91033-96-5.
21. The Great Girish Karnad's Contribution to Indian English Drama in 23rd International Interdisciplinary Conference Theme (2022). "The Contribution and Achievements of Men in various spheres at National and International Levels organized by BRICS World of Traditions Moscow, Russia, Rayat Shikshan Sanstha's Sadguru Gadge maharaj College, Karad and Snehavardhan Research Institute, proceeding organized by BRICS World of Traditions Moscow, Russia, Rayat Shikshan Sanstha's Sadguru Gadge maharaj College, Karad and Snehavardhan Research Institute, Pune. Page no.116-124, ISBN 978-93-91033-96-5.
22. Hingane N.N, Waghmode A.V, Gajbhye M.H and Agnihotri S.N. Antioxidant potentials and total phenolic content of brown and red seaweeds harvested from the Sindhudurg coastal area, Maharashtra. *Advances in Bioresearch*, Vol 14[1/2]2023. (UGC Care list) (Web of Science).
23. Waghmode, A.V. and Shinde, H.P. Marine algal species as biosorbents for sequestering toxic heavy metals: a review. *Biological Forum-An International Journal*, 15(2):1090-1096(2023).
24. Patil Manasi, Nivas Desai, Chirag Narayankar, Waghmode Ahilya and D. K. Gaikwad 2021. Effect of plant growth regulators on the carbohydrate accumulation in *Simarouba glauca* seedling. *Journal of Stress Physiology & Biochemistry*, vol.19, No.2, 2023, pp.34-39. ISSN 1997-0838.

25. Nikam, P.D. Shinde, H.P. and Pawar, R.P. Waghmode, A.V. Occurrence and conservation status of *Ceropegia anjanerica*, Malpure et. al. (Apocynaceae; Asclepiadoideae; Ceropegieae) in Nasik district: A review. *International Journal of Plant and Environment*, vol.09 (1)2023.
26. Pawar, Rahul P., Nikam, Pravin D. Waghmode, A.V. and Shinde, Hemendra P. Pharmacological and ecological aspects of *Chlorophytum borivilianum* Sant. and Fern: a review. *Sustainability, Agri, Food and Environmental Research*, (ISSN: 0719-3726), 11(X), 2023: <http://dx.doi.org/10.7770/10.7770/safer-V12N1-art704>.
27. Waghmode, A.V., Shinde, H.P. and Kadam, P. S. Current trends in seaweeds as a functional food: Nutritional health perspective, *Journal of Conventional Knowledge and Holistic Health*, 2024, 8(1), 242.
28. Waghmode, A.V., Shinde, H.P. and Pavitra Chippalakatti. Exploration of Phenolic and Flavonoid content of Marine Brown Algae *Stoechospermum marginatum* and *Dictyota maxima*, *Indian Hydrobiology*, 23(2): 501-512, 2024, ISSN 0971-6548.
29. S.N Chavan, A.V.Waghmode, H.P. Shinde and C.R Manasa. Studies on Callus Induction and InVitro Cytology of *Ocimum gratissimum* L., *Journal of Emerging Technologies and Innovative Research (JETIR)* JETIR March 2025, Volume 12, (3) www.jetir.org (ISSN-2349-5162) PP 603-617.
30. Shinde, H. P., , Salve, S. S. , Chavan, S. N. , Korde, S. D. , Waghmode, A. V. and Samudra, S. M. "Floral Biology of *Strobilanthes Callosus* (Nees) Bremek.: An Underutilized Plant Species of The Western Ghats, *Journal of Plant Biota*, Volume 04, Issue 01, 2025, 130 to 136. DOI: <https://doi.org/10.51470/JPB.2025.4.1.130>.
31. Hemant prabakar Shinde, Ahilya Vitthal Waghmode, Pavitra Chippalakatti, Devarajan Thangadurai and Ram Prasad. Microalgae mediated nanoparticles synthesis over conventional approaches: *Agricultural sustainability Perspective, Nanotechnology for environmental Engineering*, 2025, 10:50, pp no.1-17. <http://dx.doi.org/10.1007/s41204-025-00431-x>.
32. Pavitra Chippalakatti, Sangeetha Jayabalan, Devarajan Thangadurai, Palainsamy Mookkan and Ahilya Waghmode. Five Species additions to the marine macroalgal flora of Coastal Karnataka: *Ulva Conglobatta, Sebdenia flabellate, Ahnfeltiopsis pygmaea, Grateloupia prolifera* and *Turbinaria conoides*" *Nelumbo*, Vol 66(2):105-110, 2024. <https://doi.org/10.20324/nelumbo/v66/2024/173410>.
33. Pavitra Chippalakatti, Devarajan Thangadurai, Sangeetha Jayabalan and Ahilya Waghmode M, Palainsamy. Collection and identification of marine macro algae in rocky shores of coastal Karnataka, India. *Journal of Aquatic Biology & Fisheries*, 2025, 13 (1), pp.66-78. ISSN 2321-340X, <http://www.jabf.in/>.
34. Waghmode, A.V., Shinde, H.P. and Pavitra Chippalakatti³. Indigenous traditional ecological knowledge for mitigating climate change hazards: Resilience from the

roots. *Asian Journal of Environment & Ecology*, 2025, Vol 24,(8)pp95-106. ISSN: 2456-690X

35. Odegonium-A review. Communicated.

Papers/Posters Presented in Conference/Seminar (29)

Paper Presented

1. Biosorption of copper using brown alga *Padina tetrastromatica* (Hauck) Oral presentation, at XXXIII Conference of Indian Botanical Society and International Symposium on the New Horizons of Botany at Department of Botany, Shivaji University, Kolhapur (2010).
2. Biosorption of heavy metals from industrial wastewater by a brown alga *Sargassum ilicifolium* (Turner) C. Agardh Oral presentation, at National Conference on current innovations in Plant Sciences at K. J. Somaya College, Kopargaon (2012).
3. Application of seaweeds for removing heavy metal ions from wastewater. Poster presented at National conference on recent trends in plant sciences 21st APSI Scientist meet, Organized by Tuljaram Chaturchand College Baramati Pune (with Sabale A. B. 2012).
4. Medicinal potential of seaweeds Poster presented at national seminar on medicinal plants: status and future, Department of Botany, Shivaji University, Kolhapur (with Mole M. M, 2012).
5. Ethno botanical studies of some useful herbs, shrubs and trees of Shirala Tahsil of Sangali district, M.S. India. Poster presented in national seminar on medicinal plants: status and future, at Department of Botany, Shivaji University, Kolhapur (with Deokar R. R., Kamble. S. R. and Sabale A. B. (2012)
6. Removal of Cobalt (II) and Nickel (II) from aqueous medium using brown seaweeds. Poster presented in Sustainable water resource development and management at Department of Environmental Sciences, Shivaji University, Kolhapur (with Sartape S. S, Deokar R. R and Sabale A. B. (2012).
7. Ethnobotanical and ethno medicinal survey of Chikurde sacred grove, District Kolhapur (Maharashtra) Poster presented, UGC Sponsored National conference on Sacred groves as a repository for ethno medicinal plants organized by

Department of Botany, Rajaram college, Kolhapur (with Deokar R. R, Kamble S. R and Sabale A. B. (2013).

8. Cadmium biosorption by using brown marine alga *Sargassum ilicifolium* Poster presented, UGC Sponsored "National conference on Life Sciences: An Outlook and Challenges, organized by Department of Botany & Zoology, Dahiwadi college, Dahiwadi, Tal-Man, Dist-Satara (with Deokar R. R. (2014).
9. Biosorption of Cadmium (II) from aqueous solution using marine algae. Oral presentation, XII conference of society of cytologists and geneticists and national symposium on challenges for biologists in 21st century, organized by Department of Botany, Shivaji University, Kolhapur (2014).
10. Phytochemical Screening and Isolation of Fucoxanthin Content of *Sargassum ilicifolium*. Oral presentation, Two-day international conference on challenges and opportunities before 21st century India, at Rajarshi Chh. Shahu College, Kadamwadi, Kolhapur.
11. Diversity and Distribution of Brown algae from the West Coast of Maharashtra. Poster presentation, National conference on Recent trends in Physical, Chemical and Biosciences [RTPCB-2016] Organized by Department of Chemistry, Arts, Science and Commerce College Baramati, (with Patil H. S and Tabe A. R. (2016).
12. Study of Brown algae (Phaeophyceae) from the West Coast of Maharashtra and Phytochemical characterization of brown seaweed *Sargassum cinereum*. Oral presentation, 3rd International Conference on Innovative Research in Science and Technology (ICIRST-2017) Organized by Gopal Krishna Gokhale College, Kolhapur, (MS), India.
13. RP-HPLC profile of major phenolics from brown marine macroalgae. Poster presentation, National seminar on "Organized by Abasaheb Marathe Arts and New Commerce, Science College, Vikhare-Gothane, Rajapur. Dist-Ratnagiri, Maharashtra, (with Powar P.S and Sutar P. T. (2018).
14. Quantification of fucoxanthin and astaxanthin in brown algae (*Sargassum* sp.) by high performance liquid chromatography" Poster presentation, International Conference on Materials and Environmental Sciences [ICMES-2018] organized by Shri Yashwantrao Patil Science College, Solankur and The New College, Kolhapur, on 7th & 8th December, (with Narayankar C.U, Nimbalkar M.S and Gaikwad D.K 2018).

15. "Removal of heavy metal from aqueous medium using seaweeds" Poster presentation in the India International Seaweed Expo and Summit 2019 held at World Trade Centre, Mumbai during 22nd-24th January 2019.
16. "Antibacterial activity of common seaweeds from the west coast of Maharashtra" Poster presentation in National conference on Mangroves and Coastal resources organized by Department of Botany, Shivaji University, Kolhapur in Association with Mangrove society of India, Goa and Mangrove foundation, Mumbai, 12th April, 2019 with Sabale A.B. (2nd Rank Poster presentation).
17. "Restoration and management of Mangrove ecosystem", presented a Poster in the Online International conference on "Climate Change, Mangroves and Sustainable Management" on 24th April 2020. IQAC & PG-Department of Botany of Shri Pancham Khemraj Mahavidyalaya, Sawantwadi, (MS) University of Mumbai, Mangrove Society of India & Sahyadri Botanical Society, Kolhapur.
18. "GC-HRMS and NMR profile of brown algae along the west coast of Maharashtra" Oral presentation in Jointly Organizing with Sadguru Gadage Maharaj College, Karad and Shri Pancham Khemraj Mahavidyalaya, Sawantwadi, Two days Virtual International Conference on Research Interventions and Advancements in Plant Science(RIAPS) 15th and 16th June 2020.
19. "Gas Chromatography-High Resolution Mass Spectrometry Analysis of *Sargassum* species". Oral Presentation in two days International E-Conference on Cutting Edge Smart Materials & Nanotechnology (ICCESMN-2020) held on 20-21st August 2020 jointly organized by Department of Physics and IQAC of Sadguru Gadage Maharaj College, Karad, Maharashtra, India. (With Manasi Patil.)
20. Antioxidant and Antimicrobial activity from Common Seaweeds from west coast of Maharashtra Oral Presentation in two days International E-Conference, Phycology Webinar 2021 on 28th-29th January 2021 organized by Probir Chatterjee Research Foundation and Dept. of Botany, University of Calcutta.
21. Anticancer activity of some brown algae along west coast of Maharashtra Oral presentation in Shri Pancham Khemraj Mahavidyalaya, Sawantwadi and with association of plant science research, Dehradun, Two days International Conference on Research Interventions and Advancements in Plant Science(RITAPS) 26th and 27th March 2021.(With Chiraj Narayankar).

22. *Passiflora* a Promising medicinal plant (2021). Poster presentation in National Conference on Advances in Plant Science Research, 4TH Plant Science Researchers Meet(PSRM-2021) 20th and 21th November 2021. (With Manasi Patil, Poonam Panaskar, Chirag Naraynkar and D.K. Gaikwad).
23. Antioxidant Study in *Stocheospermum marginatum* (2022) Poster presentation in National conference on “Panorama of Life Sciences-2022”, Organized by Department of Life Sciences, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar and AOZ ASSOCIATION OF ZOOLOGISTS on 20th January, 2022. <https://youtu.be/5uKGaArPyyQ> (Individual).
24. FT-IR Characterization of Methanolic Extract of Marine Algae from West Coast of Maharashtra in Two days International Conference on Innovative trends in life sciences (ITLS 2022) on 11th and 12th March 2022 Organized by Sadguru Gadage Maharaj College, Karad (Individual).
25. Alpha Amylase Inhibition Activity of Common Seaweeds from Westcoast of Maharashtra in two days International Conference on Microbes for sustainable Agriculture, Animal husbandry and environment (MSAAHE 2023) on 3rd and 4th February 2023 Organized by Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur, Dist-Solapur-413304(Individual).
26. Gas Chromatography mass spectrometry analysis of *Stoechoospermum* Species in the two days Interdisciplinary National conference on Environmental Sustainability in life science (INCESLS) Scheduled from 24th & 25th March 2023 by Deshbhakt Anandrao Balwantrao Naik College, Chikhali, Maharashtra, India (Oral Presentation).
27. Global technologies and climate change mitigation through traditional and indigenous ecological Knowledge. Oral presentation in One day RUSA Sponsored National Conference on “Entrepreneurial advances and pursuits in biological sciences” organized by departments of biological sciences and IQAC on December 18th, 2024.
28. Applications of semigroup in medical image processing. Oral presentation in One day Multidisciplinary National Conference on “Artificial Intelligence in educational system and research for sustainable development ” organized by IQAC, departments of library sciences, research and development cell on December 02nd, 2026.

29. Qualitative and quantitative evaluation of phytochemical constituents in brown seaweeds *Sargassum wightii* and *Sargassum cinereum*. Oral presentation in the International Conference LifeCon 2026: Bridging Life Sciences & Innovation held on 13th & 14th February 2026 organized by Sadguru Gadge Maharaj College, Karad and Balwant College, Vita.

Attended: (14)

1. Participated in XVII Annual conference of Indian Association for angiosperm taxonomy and international seminar on “Changing scenario in angiosperm systematic” at Department of Botany, Shivaji University, Kolhapur (2007).
2. Participated in national conference on “Integrated pest management and bioremediation” organized by Department of Botany and Agriculture Department, Lal Bahadur Shastri Mahavidyalaya, Satara (2012).
3. Participated in national conference on “Advanced Techniques of Teaching and Learning in Higher Education” organized by Vishwasrao Naik Arts, Commerce and Baba Naik Science Mahavidyalaya, Shirala, Jan 6th 2012.
4. Participated in One day seminar on “Plant Diversity Conservation” at Department of Botany, Shivaji University, Kolhapur at 25th June (2013).
5. Participated in “National seminar on “Envi and Bio. Terminology” organized by commission for scientific and technical terminology at Vidya Pratisthans, ASC College, Baramati, Dist-Pune (2015).
6. Participated in “National seminar on “Biodiversity: An Outlook and Challenges” organized by Department of Botany and Zoology, D. P. Bhosale College, Koregaon, District- Satara (M.S) Held on 13th Feb, 2016.
7. Participated in One day Multilingual National Conference on “Freedom of Expression Portrayed in Literature” on 17th January 2016, organized by Department of Languages, Rajarshi Chh. Shahu College, Kolhapur.
8. Participated in XXVI Annual conference of Indian Association for angiosperm taxonomy and international seminar on conservation and sustainable utilization of Biodiversity. At Department of Botany, Shivaji University, Kolhapur held on 7-9th Nov, (2016).

9. Participated in National conference on “Advances in Agriculture & Technologies for future” organized by Department of Agriculture and Department of Botany, Sadguru Gadage Maharaj College, Karad, Maharashtra, India held on 12 Decem.2022.
10. Worked as a member in National conference on “Advances in Agriculture & Technologies for future” organized by Department of Agriculture and Department of Botany, Sadguru Gadage Maharaj College, Karad, Maharashtra, India held on 12 Decem.2022.
11. Participated and organized in “Ranbhaja mahoshv v pakkruti saprdha-2022” Department of Botany, Sadguru Gadage Maharaj College, Karad, Maharashtra, India held on 12 Decem.2022.
12. Exploration of Phenolic and Flavonoid Compounds from Marine algae Symposium on “Current Perspectives in Algal and Cyanobacterial Biology (CPACB-2023)” February 20-21, 2023. Organized by Centre of Advanced Study in Botany, Institute of Science, Banaras Hindu University, Varanasi-221005, UP, India.
13. Participated in one day Seminar on “Plant Sciences: Challenges and Opportunities” organized by dept.of Botany, New College, Kolhapur on 16th Feb.2024.
14. Participated in the Two days online workshop “Seaweed: A Sustainable source for future food systems” SEACUBE-C3, Seaweed for cultivation, coating & consumption. on Sept. 12-13, 2024. School of Biotechnology, Dublin City University, Dublin 9.

Workshops (22)

1. Participated in National workshop on “Research methodology and Quantitative techniques” at December 2010, Department of Humanity, Shivaji University, Kolhapur.
2. Participated in two-day workshop on “Research writing, Ethics, Plagiarism and Publishability” at 26th and 27th July, 2012, organized by Internal Quality Assurance Cell (IQAC), Shivaji University, Kolhapur.

3. Participated in National workshop on “Mangrove awareness program on December” 29th 2011, Department of Botany, Shivaji University, Kolhapur and Godutai Gambhekar Vidhyalay, Ratnagiri.
4. Participated in National workshop on “Plants of medicinal potential from Western Ghats and pharmaceuticals” on March 22nd 2012, Department of Botany, Shivaji University, Kolhapur.
5. Participated in National workshop on “The integrated fertilizer and nutrient management in botany” on Feb 26th 2014, G.K.G college cluster, Department of Botany, The New College, Kolhapur.
6. Participated in National workshop on “Rare, endangered and threatened (RET) plants of Western Ghats” on Sept 4th 2015, under lead college scheme, G.K.G college cluster, Shivaji University, Kolhapur organized by Department of Botany, Shri Shahaji Chh. Mahavidyalaya, Kolhapur.
7. Participated in one day workshop on “SET/NET guidance” organized by Rajarshi Chh. Shahu College, Kolhapur in Life Sciences Subject on 6th Jan, 2017.
8. Participated in One day National workshop on “Bonsai for Connecting with the Nature” on 7th July 2017, jointly organized by Kolhapur Bonsai Club with Department of Botany, Shivaji University, Kolhapur.
9. Participated in National workshop on Science Academies Lecture Workshop on “Plant Sciences: Challenges and Opportunities” Organized by Department of Botany, The New College, Kolhapur on 19th and 20th December, 2017.
10. Participated in global initiative for academic network, a seven days GIAN course on “Deployment of Allelopathy in Sustainable Agriculture” Organized by Department of Botany, Shivaji University Kolhapur-416004 on 27th Sept. to 3rd October, 2019.
11. Participated in V. P. College, Baramati one day Webinar on “Restructuring of S.Y.B.Sc. Botany syllabus”.
12. Participated in “Online Kitchen Gardening Course” on 23 July - 8 Oct, 2020 three months course on Kitchen Gardening organized by Br. Balasaheb Khardekar College, Vengurla in collaboration with Gardens Club of Kolhapur.

13. Participated in One Day Online Teachers' Workshop on "the revised (CBCS) syllabus of B.Sc. III Botany (Theory) "6th Feb, 2021 organized by dept. of Botany M.H. Shinde Mahavidyalaya, Tisangi.
14. Participated in three Day online workshop on "Skill Development Program in Seaweed Cultivation and Processing Technology (SEA-CPT)", 24-26 February 2021 organized by CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, Gujarat.
15. Maharashtra State Development of Educators and Enhancement in Delivery (MS-DEED) Program for Maharashtra State Science and Mathematics Teachers from Higher Education Institutes to be held by PMMMMNMTT Centre of Excellence in Science and Mathematics Education (CoESME), at IISER Pune from 21st to 23rd December 2021.
16. Participated in one day workshop on "Intellectual Property Rights Awareness" as activity organized by internal Quality Assurance Cell in Collaboration with dept. of Zoology, S.G.M. College, Karad on March 25th 2022.
17. Participated in one day workshop on "An Orientation of NAAC Criterion VII- Institutional values and Best practices" organized by Internal quality assurance cell under RUSA Sponsorship at S.G.M. College, Karad on July 22th 2022.
18. Participated in one day workshop on "National Education Policy 2020" organized by internal quality assurance cell under RUSA Sponsorship at S.G.M. College, Karad on July 23th 2022.
19. Participated in one day workshop on "Research Data management tools and techniques" organized by research advisory committee and internal Quality Assurance Cell at S.G.M. College, Karad on March 28th July 2022.
20. Participated in the teachers training program on "Climate education and green campuses for a safer planet" jointly organized by department of Botany and internal Quality Assurance Cell of Vivekanand College, Kolhapur and climate reality project India, on Sept. 16th 2022.
21. Participated in the agriculture skill council of India, cleared the assessment in the job role/qualification "Mushroom Grower Entrepreneur" of Duration 390 hrs, training center of **ROOT OF SUCCESS FOUNDATION-SATARA**, Maharashtra with "A" GRADE.

22. Participated in one day workshop on “Avishkar Research Competition 2025-26” organized by the department of Students Development, Shivaji University, Kolhapur at Satara on July 23th July 2025.

Online FDP and Orientation (11)

1. Participated in a 4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" from June 26 - July 24, 2020 and obtained “A” grade. Teaching Learning Centre, Ramanujan College, and University of Delhi under the aegis of ministry of human resource development Pandit Madan Mohan Malaviya national mission on teachers and teaching.
2. One Week Online Faculty Development Program on, “E-Content Development for Teaching and Learning” from 20/07/2020 to 25/07/2020, organized by IQAC and Department of Chemistry, Sadguru Gadage Maharaj College, Karad.
3. Two-week faculty development programme on "Managing online classes and co-creating moocs 3.0" from July 25 - August 10, 2020 and obtained grade A+ teaching learning centre, Ramanujan College, University of Delhi under the aegis of Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on teachers and teaching.
4. Participated in one-week online faculty development program on “Overcoming the challenges in adapting online technology in teaching learning” held during 6th -11th May 2020, organized by Jhulelal Institute of Technology, RTM Nagpur University.
5. Participated in “Online one week FDP on Moodle” organized by Willingdon College in Association with Spoken Tutorial IIT- Bombay, MHRD, Govt. of India on 23rd -29th May 2020.
6. Participated in One week faculty programme ‘Academic and Professional Development’ organized by IQAC and staff welfare committee under the aegis of RUSA BY Y.C.I.S College Satara, Maharashtra from 19th October, 2020 to 24th October, 2020.
7. Participated in Online Short-term Faculty Development Programme on Research Methodology and Data analysis of Six days (30 contact hours) duration conducted at Sadguru Gadage Maharaj College, Karad, Satara-415124, from

13/09/2021 to 18/09/2021 under faculty development centre, UGC-Human resource development Centre, SPPU.

8. Participated in "Online Refresher course on Basic Science" held during 19th Sept. to 01th Oct, 2022, organized by UGC-Human Resource Development center, Rani Durgawati Vishwavidyalaya, Jabalpur, Madhya Pradesh.
9. Participated in "A Two-Day Residential Faculty Development Programme on "Enhancement of Effective Communication Skills" at Shivam Pratishtan, Gharewadi, Karad, Satara-415124, from 24/12/2022 to 18/09/2022.
10. Participated in "Online Refresher course on Basic Science" held during 19.08.2024 to 31.08.2024 organized by Malvia Mission Teacher Training Centre(MM-TTC), Rani Durgawati Vishwavidyalaya, Jabalpur, Madhya Pradesh.
11. Participated in "Online mode of Refresher course on Life Science" held during 07.07.2025 to 19.07.2025 organized by UGC-MMTC, Malvia Mission Teacher Training Centre (MM-TTC), HPU, Shimla.

Others: Co-Curricular Activities (28)

1. Participated in AVISHKAR 2010-2011. "Removal of heavy metal ions from wastewater using green and brown algae" (Poster) at university level (2nd Rank in Poster competition) at Shivaji University Kolhapur.
2. Participated 5th inter-university research festival AVISHKAR 2010-2011. "Removal of heavy metal ions from wastewater using green and brown algae" (Poster) at Medical Health University, Nashik.
3. Participated AVISHKAR at Shivaji University, Kolhapur, 2011- 2012 "Adsorption mechanism of heavy metals from tannery wastes by using *Padina tetrastromatica* Biomass" (Poster), December 2011.
4. Participated AVISHKAR at Shivaji University, Kolhapur, 2011- 2012 "Adsorption mechanism of heavy metals from tannery wastes by using *Padina tetrastromatica* Biomass" (Poster), 21st to 23rd January 2011.
5. Worked as member of organizing committee "Rayat Inspire Camp" at Dept. of Physics, Chemistry and Life Science, R. C. Shahu College Kolhapur for the School Student of M. G. Vidyalaya, Rukadi held during 1st to 5th December 2015.

6. Worked as Examiner in Mini Avishkar Research Competition dated on 11th Oct 2018 in Rajarshi Chhatrapati Shahu College, Kadamwadi, Kolhapur.
7. Worked as committee member for registration, oral and poster in National conference on Mangrove and Coastal Resources, 12th April, 2019 at Department of Botany, Shivaji University, Kolhapur in Association with Mangrove Society of India, Goa and Mangrove foundation, Mumbai.
8. Member Admission Committee (2020-2021), Phy Dept. for M.Sc.
9. Worked as Co-coordinator in Lead College Activity (2021-2022), S.G.M College Karad.
10. Worked as member of organizing committee “Rayat Inspire Camp” at Dept. of Physics, Chemistry and Life Science, R. C. Shahu College Kolhapur for the School Student of M. G. Vidyalaya, Rukadi held during 1st to 5th December 2015.
11. Worked as member of organizing committee in RUSA Sponsored One Day International conference on “Innovative trends in Life Sciences (ITLS 2022)” organized by Sadguru Gadage Maharaj College, Karad on 10th & 12th March 2022.
12. Worked as member of organizing committee in RUSA Sponsored One Day National conference on “Practical Librarianship and quality Enhancement” organized by Sadguru Gadage Maharaj College, Karad in collaboration with Shivaji University College Librarians Association (SUCLA) ON 10th October 2022.
13. Worked as jury for oral presentation and chairperson of the session for “Interdisciplinary National conference on Environmental Sustainability in life science (INCESLS)” Scheduled from 24th & 25th March 2023 by Deshbhakt Anandrao Balwantrao Naik College, Chikhali, Maharashtra, India.
14. Worked as member in Hands on training on Bonsai Technique organized by Dept. of Botany, Sadguru Gadage Maharaj College, Karad on 16th Feb. 2023.
15. Worked as LIC Member for Recognition of research laboratories and research centres for food processing & Packaging in Karmaveer Bhaurav Patil University, Satara on 27th June 2023.
16. Working as Co-Ordinator/Head of Food Science 2022 till date.
17. Chairman- BOS, Dept. of Food Science 2022 till date.

18. Worked as Co-Ordinator AVISHKAR Satara District 2022.

19. Worked as member of organizing committee in Third International Scientific Conference on “Environmental Research” Issues, Challenges and Strategies for Sustainable Development and Livelihood Security organized by Sadguru Gadage Maharaj College, Karad in collaboration with Eurasian Academy of Environmental Sciences, Association for agricultural Technology in southeast Asia, Centre for innovation in Science and Social Action, Sub-Regional Science Centre-Karwar and Karnataka Forest Department at Sub-Regional Science Centre, Karnataka, India on 1-2 December 2023.

20. Worked as examiner for the institutional level poster for department of B.Voc Agriculture discipline organized by Sadguru Gadage Maharaj College, Karad on 2nd March 2024.

21. Worked as a chairperson of the session for “One day Multidisciplinary International seminar on “Food: Science, Culture, Marketing and Literature on 20th March 2024 In Rajarshi Shahu Arts and Commerce College, Rukadi, Maharashtra, India.

22. BOS-Chairman, Department of Food science till date.

23. BOS-Member, for Ph.D Coursework, KBP University, Satara, on 14th Nov.2024-2015.

24. Worked as jury for recipes competition in “Kolhapur Millet and fruit festival 2025” on 05th March 2025 Organized by Maharashtra state Krishi Panan Mitra at V.T.Patil auditorium Rajarampuri, Kolhapur.

25. BOS-Member, for Sub-Committee B.Sc. II Botany, B.Sc.II Plant protection, B.Sc.II Seed technology, B.Sc.III Botany, B.Sc.III Plant Protection, approval of M.Sc.II, Coursework, KBP University, Satara, on 19th March 2025.

26. BOS-Member, for Committee B.Sc. II Botany, B.Sc.II Plant protection, B.Sc.II Seed technology, B.Sc.III Botany, B.Sc.III Plant Protection, approval of M.Sc.II, Coursework, KBP University, Satara, on 23rd April 2025.

27. Worked as examiner for the University level poster, for Agriculture and Animal Husbandry discipline organized by KBP University, Satara on 16st December 2025.

28. Avishkar Co-ordinator (2020) till date.

External Examiner (04)

1. Worked as External Examiner on 20th to 22th June 2022 B.Sc. II (Plant Protection) in Vivekanand College, Kolhapur.
2. Worked as External Examiner on 08th to 10th June 2022 B.Sc. II (Plant Protection) in Vivekanand College, Kolhapur.
3. Appointed as Internal expert for the interview panel in Food Technology conducted by Rayat Shikshan Sanstha, Satara on 4th June 2025 at Yashavantrao Chavan Institute of Science, Satara.
4. Worked as senior supervisor from on 04/07/2025 to 22/07/2025 in Sadguru Gadge Maharaj College Karad (An Empowered Autonomous).

Place: Kolhapur

Date: 10/03/2026

A handwritten signature in blue ink, appearing to read 'Abilya', is written on a light blue rectangular background.

Signature of the Applicant