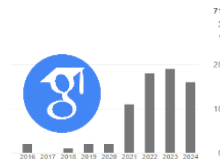


DR. SHRIKANT MANE

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	All	Since 2019
Citations	82	78
h-index	4	3
i10-index	2	2



CULURIST, DEPARTMENT OF BOTANY, DR. BAMU 431004

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CAREER GOAL

Achieving the post of teacher in an organization that will offer me to use my technical as well as intellectual abilities for the betterment of the organization. Provides potential avenues for research, learning, growing, and reaching the highest level in the organization. To get a challenging position of lecturer in which I can utilize my experience and make the bright carrier of students.

CAREER SUMMARY

CULTURIST

DR. BAMU, BOTANY | (JUNE 2013-PRESENT)

I joined the University as a culturist post following the experience as a pathologist at Green Gold Seeds Pvt. Ltd, Aurangabad. I currently teach on several subjects in botany, from the specific domain of mycology. My extracurricular activities include managing a number of seminars individualised research support for post graduate students. I also dedicate my time to research, and development and I have recently presented my findings in international publications and patents.

PLANT PATHOLOGIST

GREEN GOLD SEEDS PVT. LTD (MAY 2010-MAY 2013)

Worked as a pathologist in Green Gold Seeds Pvt Ltd. and dealt with the prevalent hot cake topics of Lepidopteran pest infestation on cotton, brinjal and tomato crops. Also studied the rust and blight associated with fungal diseases in hybrids and open pollinated crops.

DOCTORAL RESEARCH

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY (JULY 2015-JUNE 2017)

I provided my research expertise towards the understanding of soil mycoflora through my research topic entitled "Comparative Studies on Phyllosphere and Rhizosphere Mycoflora of Conventional and Organic Cotton Fields".

PATENTS (PUBLICATION)

- DEEP LEARNING MODELS FOR MODELLING OF INTELLIGENT DRONE ASSISTED CROP MONITORING SYSTEM AND ENHANCE CROP YIELD.
- A SYSTEMATIC APPROACH FOR GENETIC ANALYSIS OF MUSHROOM FORMATION FOR INCREASING THE MUSHROOM YIELD.
- "A SYSTEM FOR PERFORMING DIFFERENTIATION AND IDENTIFICATION OF FRUIT ROT FUNGAL SPECIES." German Patent and Trademark Office, Utility model No. 20 2023 107 673.

EDUCATION AT GLANCE

DEGREE	MONTH AND YEAR	UNIVERSITY	SUBJECTS		% MARKS	DIVISION
			SPECIAL	GENERAL		
PH.D.	Jan. 2016	Dr. BAMU	Botany	Plant Pathology		
MS-CIT	July, 2006	Maharashtra State Board of Technical Education Mumbai		-		
B. ED.	June, 2006	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	Science/ Maths.		59.50%	II nd
M.SC.	July, 2005	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	Botany	Plant Pathology	62.16%	I st
B.SC.	June, 2003	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Botany	Zoology Chemistry	67.72%	I st
H.S.C	May, 2000	MSBSHSE, Pune. Div. Aurangabad	-	Eng. Bio. Phy. Chem.	53.16%	II nd
S.S.C.	Jun-1997	MSBSHSE, Pune. Div. Aurangabad	-	Mar. Eng. Math., Sci.	60.00%	I st

SPECIAL ACHIEVEMENTS

- Member, Welcome, Registration Committee, 19th Indradhanushya: Maharashtra State Inter-University Youth Festival. 11-15 March 2024.
- Judge of Oral Presentation, 2nd International Conference, Kopargaon MH. 15-16, Feb 2024
- Team Manager, 16th Avishkar: Maharashtra State Inter-University Convention. MUHS Nashik. January 12-15, 2024.
- Administrative staff in Dr B. A. M. University Election 2023.
- Administrative staff in Centralised P. G. Admission Committee 2021-2022, Dr B. A. M. University, Aurangabad.
- "A Covid warrior" Certificate of Government of Maharashtra Sub Divisional Officer Office Aurangabad regarding Public Service in Aurangabad District during the Global Corona Pandemic Covid-19

CO-CURRICULAR ACTIVITIES

- Administrative staff in Dr BAM University, Aurangabad.
- Assistance in handling university exams and paper evaluation (DCAS as officer).
- Youth leadership camp for Secretary of Student Parliament conducted by N. S. S., Student Welfare in Dr. B. A. M. U., Aurangabad,
- Special Camping programme conducted by N. S. S., Student Welfare in Dr. B. A. M. U., Aurangabad,
- 2 years special camping programme of N. S. S., Student Welfare in Dr. B. A. M. U., Aurangabad,
- 07 days "Youth for Water Shed Development" organised by post graduate unit in the year 2004-05 conducted by N. S. S., Student Welfare in Dr, B. A. M. U., Aurangabad,
- 07 days "Youth for water literacy and disaster management" organised by post graduate unit in the year 2004-05 conducted by N. S. S., Student Welfare in Dr. B. A. M. U., Aurangabad,
- 07 days "Youth for cleanliness" organised by post graduate unit in the year 2004-05 conducted by N. S. S., Student Welfare in Dr B. A. M. U., Aurangabad,
- 01 day "Personality Development" conducted by N. S. S., Student Welfare in Dr. B. A. M. U., Aurangabad,

- “District Orientation Camp” conducted by N. S. S., Student Welfare in Dr. B. A. M. U., Aurangabad,
- Arranged Botanical Excursion.
- Prepared herbaria as a resource material for practical.
- Providing helpful hand for fungal identification and providing fungal cultures to researchers.

PROFESSIONAL STRENGTHS

- Expert in Mushroom cultivation, production
- Knowledge in farming and common plant diseases problems
- Knowledge of disease screening
- Responsible for planning, preparing and organizing laboratory and field trails
- Expertise skills in handling laboratory test, Equipment, Isolation, Maintain pure culture and identification
- Expertise skills in Isolation of fungi and handling cultures
- Great inspection, investigative and research skills
- Analytical and critical thinking, decisive
- Familiar with Microsoft Word, PowerPoint, Excel and the Internet

BOOK (PUBLICATION)

- Mushroom Cultivation and its Economics (2022)
- Chief Editor, “NATIONAL CONFERENCE ON BIORESOURCES (NCB) – 2023”, Proc. of state conference Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Practical Manual for Mycology and Plant Pathology (2023)

IMPROVEMENT OF PROFESSIONAL COMPETENCE

- 07th National Workshop of ‘Taxonomy, Biodiversity, Ex situ, Conservation and Applications of Fungi’ conducted by **National Fungal Culture Collection of India (NFCCI)**-A DST National Facility 21st – 28 May 2018. MAC’s Agharkar Research Institute, G C Agharkar Road Pune 411004, India

PAPERS PRESENTED IN CONFERENCES

- National Conference on “**Innovative Research in Science & Technology**” Dated: 16th February, 2019.
- Attended the **5F Farming-2019 Conference & Exhibition**, on January 2019 at Aurangabad, organized by ATPBR in Association with MGM & CMIA.
- National Conference on “**Innovation in life Sciences for Sustainable Development**” organized by Dept. of Botany, Dr. Rafiq Zakaria College for Women, Aurangabad, Sponsored by Dr. BAMU A’bad.
- National seminar on “**Research Methodology in Life Science**” on 04th February, 2018 organized by Dept. of Botany, Dr. Rafiq Zakaria College of Women, Jubilee Park, Aurangabad.
- National Level Conference on “**Current Trends in Life Sciences for Rural Empowerment**” on 30th January, 2017 Dr. BAMU Aurangabad affiliated Mitra Sadhana Shikshan Prasarak Mandal’s Rajarshi Shahu Arts, Commerce and Science College, Pathri Tq. Phulambri Dist. Aurangabad.
- **Workshop on Office Management, Finance & Accounts** for Non-Teaching Staff of Colleges on 03rd March, 2017 Organised by Pandit Deendayal Upadhyay Education Society’s Shri Sant Savta Mali Gramin Mahavidyalaya, Phulambri, Sponsored by Aurangabad and University Grants Commission & Dr. BAMU, Aurangabad.
- **Workshop on Plant Nomenclature** held on 28th February, 2017. Dept. of Botany, Dr. BAMU, Aurangabad in Association with Marathwada Botanical Society, Aurangabad.

- National Conference on “**Recent Trends in Plant Sciences**” held on 1-2 March, 2017 in association with Marathwada Botanical Society, Organised by Dr. BAMU, Aurangabad.
- One Day Conference on “**Current Trends in Plant Science**” on 22nd February, 2015, held in Dept of Botany, Dr. Rafiqu Zakaria College for Women, Aurangabad.
- Two Days National Conference on “**Fungal Diversity and Their Applications**” held at Guru Nanak College of Arts, Science and Commerce, on December, 11 & 12, 2015.
- Two Days National Conference Seminar on **Frontiers in Plant Diseases and its Control for Agricultural Development** organised by Dept. of Botany, Adarsh Mahavidyalaya, Omerga on 02nd & 03rd February, 2015.
- National Conference on “**Interdisciplinary Research Trends in Life Sciences**” on 09th & 10th February, 2015 Organized by Dept. of Botany and Zoology Dr. BAMU Aurangabad, MPS Mandal & R. B. Attal Arts, Science and Commerce College, Georia, Dist. Beed.
- Participation in the “**Training Programme on Awareness of Scifinder Database**” organised by Knowledge Resource Centre (University Library), held at Dr BAMU, Aurangabad on 22nd July, 2014.
- National level seminar on “**Organic Farming: Need of the Time**” on 10th, 11th & 12 October, 2013 Sponsored by UGC (WRO), Pune, Organised by Dept. of Botany, Dada Patil Mahavidyalaya, Karjat, Dist. Ahmednagar.
- National Conference on “**Frontiers in Plant Disease: Diagnosis and Management**, Botany Research Centre Dept. of Botany, Maharashtra Mahavidyalaya, Nilanga from 03rd to 04th January, 2010.
- National Conference on “**Modern Trends in Plant Sciences & Annual Meeting of Marathwada Botanical Society (MBS)**” on 06th and 07th October, 2007, Organized by the Dept. of Botany, Dr. BAMU, Aurangabad.
- Online One Day National Conference on **Socio-Economic Impact of Covid-19** in India organized by IQAC, Dept. of Geography & Economics, Shri Pancham Khemraj Mahavidyalaya, Sawantwadi, Dist. Sindhudurg, held on 30th April, 2020.
- 2nd International Conference on “Innovations in Biotechnology Research for Sustainable Bioresources and Bioeconomy: Challenges and Practices” (IBRSBB-15-16 February 2024)

PUBLICATIONS

1. **Mane, S.B.** and A. M. Chavan (2015). Impact of plant age on phyllospheric mycoflora of conventional and organic cotton fields. International. Indian Journal of Applied Research. 5 (10): 2249-555X. I.F: 6.03
2. Sherkar, D. K., **S.B. Mane** and A. M. Chavan (2015). Diversity of Pathogens of Grain mold disease of sorghum in Marathwada. Frontiers in plant diseases and its control for Agricultural development Bio chemical sciences (ISBN).9788193053317.
3. **Mane, S.B.** and A. M. Chavan (2015). Comparative approach of phyllospheric mycoflora of conventional and organic cotton, International Journal of Current Research. 7 (09): 20480 -20482. 0975-833X, 6.226 I. F: 7.74
4. **Mane, S. B.**, Shrikant B. Bhosale., Subhash B. Pawar and Ashok M. Chavan (2016). Comparative Analysis of Phyllosphere Mycoflora of Conventional and Organic Different Cotton Field. Inter. Journal of Recent Scientific Research. 7 (7): 12468-12470. I.F: 6.86.
5. Shrikant B. Bhosale, Subhash B. Pawar, **Shrikant B. Mane**, D. S. Jadhav¹ and Vikas B. Kalyankar (2016) Rapid induction of callus and clonal micropropagation by plant growth regulators (PGRs) on

- important medicinal plant *Vitex negundo* (L.). International Journal of Advanced Research in Biological Sciences, Volume 3, Issue 8, PP. 94-99. I.F: 5.70.
6. Subhash B Pawar., **Shrikant B. Mane**, Shrikant B. Bhosale and Ashok M. Chavan, (2016) Isolation and Identification of Field Bulb Fungal Pathogen from (*Allium cepa* L.) in Maharashtra, Asian Journal of Science and Technology. 07 (08): 3387-3389. ISSN: 0976-3376. I.F: 4.50: 6.35
 7. **Mane, Shrikant B.** and Ashok M. Chavan (2016) Qualitative and quantities analysis of rhizosphere mycoflora of conventional and organic farming. International Journal of Applied Research; 2(8): 439-443, ISSN Print: 2394-7500, G- Index:90
 8. **Mane S. B.** Pangrikar P. P., and A. M. Chavan, (2019) Fungal Incidence on Groundnut Seed from Different Locality of Marathwada. International Journal of Advance and Innovative Research ISSN 2394-7780 pp 319-322. I.F: 7.36.
 9. **Shrikant B. Mane**, Jadhao A. S., Kate A. S., Dhandge and S. R., Damare N. D. (2019) Antibacterial Activity of Some Medicinally Important Plant Leaf Extract. International Journal of Advance and Innovative Research ISSN 2394-7780 pp 319-322. I.F: 7.36.
 10. F. A. Saif, S. A. Yaseen, A.S. Alameen, **S. B. Mane** and P. B. Undre (2020) FTIR Spectroscopy and Microscopy as Methods for Identification and Discrimination of *Penicillium* Species of Fruit. AIP Conference Proceedings 2244, 020002.
 11. F A Saif, S A Yaseen, A S Alameen, **S B Mane** & P B Undre (2020) Identification of *Penicillium* Species of Fruits Using Morphology and Spectroscopic Methods. Journal of Physics: Conf. Series. 1644, 012019. doi:10.1088/1742-6596/1644/1/012019.
 12. F.A. Saif, S.A. Yaseen, A.S. Alameen, **S.B. Mane**, and P.B. Undre, (2021) Identification and characterization of *Aspergillus* species of fruit rot fungi using microscopy, FT-IR, Raman and UV-Vis spectroscopy. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 246 (2021) 119010. I.F. 4.30.
 13. Musale, G.P. and **Mane S.B.** and Chavan, A.M. (2021) Effect of Different Flours with Baggase on Yield of *Pleurotus Eous*, The International journal of analytical and experimental modal analysis Volume XIII, Issue X, pp.- 562 – 571, ISSN NO:0886-9367.
 14. Patil T. V., Pangrikar P. P. and **Mane S. B.** (2021) Studies on Seasonal Variation in Sugarcane Soil Mycobiota at Different Locality of Jalna District, NOVATEUR PUBLICATIONS JournalNX- A Multidisciplinary Peer Reviewed Journal ISSN No: 2581 - 4230 Volume 7, Issue 6, pp.-57-62, I.F: 7.223.
 15. Ajai R. Gaisamudre and **Shrikant B. Mane** (2020), GENETIC IMPROVEMENT OF GLYCINE MAX L. MERRILL (SOYABEAN) BY MUTATION BREEDING, Journal of the Maharaja Sayajirao University of Baroda, Volume-55, No.2 (IV), pp – 193-200, ISSN: 0025-0422,
 16. Vishal Hiwale, Abhishek Raut, Kharade Rahul, and **Shrikant B. Mane** (2021) Different Agricultural Wastes as Substrates for Growth and Production of *Pleurotus florida*, International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 9 Issue X, pp. 835-841, ISSN: 2321-9653; www.ijraset.com, IC Value: 45.98; SJ I. F.: 7.429.
 17. Abhishek Raut, Kharade Rahul, Vishal Hiwale, and **Shrikant B. Mane** (2021) Biological efficiency and Yield of *Pleurotus sajor-caju* on Different Agricultural Wastes, Science Technology and Development, Volume X Issue XI, pp 121-127, ISSN: 0950-0707, I.F: 6.1.
 18. Pallavi Gawai, Ajay Zinzade, Radha Ghuge, and **Shrikant B. Mane** (2021) Biosynthesis of Gold Nanoparticles from Fungi, Journal NX- A Multidisciplinary Peer Reviewed Journal VOLUME 7, ISSUE 11, pp. 24-32, ISSN No: 2581 – 4230, I.F: 7.223.
 19. Ajay zinjade, Pallavi Gawai, Radha Ghuge and **Shrikant B. Mane** (2021) Identification and Characterization of *Fusarium* Species Associated with Soil, Seed, and Fruit, International Journal of Creative Research Thoughts (IJCRT), Volume 9, Issue 11, ISSN: 2320-2882, I.F: 7.223.
 20. Snehal Prakash Magar, Arvind Dhabe, Geeta Patil, Shrikant Mane and Amar Waghule (2021) Study of growth of *Pleurotus Sajo-rkaju* (Oyster Mushroom) on different Agricultural substrates, Int. J. of Life Sciences, 9 (3):326-329. ISSN:2320-7817(p), 2320-964X(o). SJIF 6.29

21. Bharat Chavan, Prashant Pangrikar and Shrikant Mane (2021) Cultivation of *Pleurotus eous*: A sustainable approach by using sugarcane bagasse with different supplements Wesleyan Journal of Research, Vol.14 No 0, 15-20.
22. Vaibhav D Misal, Sunaina S Davane and Shrikant B Mane (2021) Improvement of yield in *Guizotia abyssinica* (L.F.) Cass. by using backcross method. World Journal of Advanced Research and Reviews, 12(02), 261–266, eISSN: 2581-9615, CrosRef DOI:10.30574/wjarr.2021.12.2.0579. I.F: 7.80.
23. Shrikant B. Mane and Nagnath V. Kolhe (2023) MUSHROOM CULTIVATION: MOST PROFITABLE BUSINESS, International Journal of Scientific Development and Research. Volume 8 Issue 9, 691-694, ISSN: 2455-2631. I.F: 8.15.
24. Yogesh N Anande, Pragati K Raut, Ajay S Zinjade and Shrikant B Mane (2018) Production of citric acid from different *Aspergillus* species obtained from soil, World Journal of Advanced Research and Reviews, 2024, 23(02), pp. 2008-2018, : <https://doi.org/10.30574/wjarr.2024.23.2.2544>

DECLARATION

I declare that all the information provided in this CV is true as per my knowledge and the proof of those can be generated through original certificates if requested.

Date-

Place-

Dr. Shrikant Mane