

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Tal: Palus, Dist.: Sangli (M.S) India. 416 308.

Faculty Profile
(Academic Year 2024-25)

BIO-DATA



1. **Name of the Faculty:** Mane Abhijit Bhagwan
2. **Date of Birth:** 20 / 03 / 1976
3. **Educational qualification:** M.Sc.
4. **Date of Appointment:** 05/01/2000
5. **Email I D:** abhijitbmane@gmail.com ;
abhijitmane2579@yahoo.co.in
6. **Designation:** Assistant Professor & Head
7. **Broad Subject:** Zoology
8. **Research Area:** Developmental Biology, Biodiversity,
Senescence, Herpatology, Ethnopharmacology &
Taxonomy.
9. **University approval:** CONCOL/SA/1577 of 2001Dt-15/03/2001
CONCOL/SA/5519 of 2004Dt-14/10/2004
Aff.T.3/STS/F.No. /49 No.12906 Dt-20/01/2009
Aff/T.3/STS/F.173 No. 2212 Dt – 13 /06/2012
Aff/T.3/SRS/125 No. 2283 Dt – 19 /06/2017
10. **Teaching Experience:** UG: 24 years PG: 05 years

Sr. No.	Name of Institution	University	Duration	Total No. of Years Year Month Days		
01	A.M.A & N.C.S College, Rajapur Dist:-Ratnagiri	University of Mumbai	05/01/2000 To 16/06/2008	08	06	11
02	ASC College, Ramanandnagar (Burli), Dist:-Sangli	Shivaji University Kolhapur	17/06/2008 To 21/10/2011	03	04	04
03	Sadguru Gadage Maharaj College, Karad, Dist: - Satara.	Shivaji University Kolhapur	22/10/2011 To 31/07/2016	05	08	08

04	Dr. Patangrao Kadam Mahavidhyalaya, Ramanandnagar (Burli), Dist:-Sangli	Shivaji University Kolhapur	01/08/2016 To Up to date	08	02	11
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11. Educational Qualification:

Sr. No.	Degree	University	Year	Class/Grade
01	B.Sc.	Shivaji University	1997	First
02	M.Sc.	Shivaji University	1999	First
03	Pre-Ph.D.	Shivaji University	2004	B
04	Ph.D. Student	PHA, Solapur University	2021	

12. Address:

Permanent:

“Sukhadha”, Pl.No.-16,
Ganeshnagar, Kupwad Road
Miraj. 416 410
Dist. - Sangli. (M.S) India.
Tel.No. - (0233)2211659
Mb.No:- +919860028234

13. PAN No.: -

AFKPM 4398G

14. UID No.: -

6643 9867 3050

15. ORCID No.:-

<https://orcid.org/0000-0002-7403-7143>

16. Web of Science Researcher ID:-

[AFN-6056-2022](https://www.researchgate.net/profile/Abhijit-Mane/research)

17. Research Gate ID:- <https://www.researchgate.net/profile/Abhijit-Mane/research>

18. Google Scholar ID: -

https://scholar.google.co.in/citations?user=8_CZTRUAAAAJ&hl=en

19. Vidwan ID: - <https://vidwan.inflibnet.ac.in/profile/494078>

20. Citations: 185; h- index: 8 & i10 index: 7

21. Academic Professional Growth:

A. Research Experience:

Ph.D. Topic: “STUDY OF DIVERSITY OF HERPATOFAUNA IN SOLAPUR DISTRICT, MAHARASHTRA.”

Research Projects: “STUDIES ON GLYCOPROTEINS DURING POST- NATAL DEVELOPMENT OF SUBMANDIBULAR GLAND OF MICE”
(File No: - 47-1062/09 (WRO), Dated 5th October 2009.)

B. Research Papers Published:

i). Kinetics of Amylase and Trypsin in the Salivary Glands of Senescent Male Mice. Indian Journal of Gerontology.1999, Volume 13, No.3&4, pp79-88. ISSN 0971 – 4189.

- ii). Synergistic Effect of Testosterone Propionate and Thyroxine on Amylase and Trypsin Activities in Salivary Glands of Old Male Mice. Diversity and Physiological Processes: 93-100, 2012.ISBN: - 978-81-908791-3-2.
- iii). Effect of salivary secretion of mother on testis of mice, (*Mus musculus*). Diversity and Physiological Processes: 77- 92, 2012.ISBN: - 978-81-908791-3-2.
- iv). Effect of Sialoadenectomy in the Lactate Dehydrogenase of Muscles. Presented in the National Symposium on Recent Trends in Biology & Biotechnology & 23rd Annual Session of the Academy of Environmental Biology.9th-11th October, 2003.
- v) Study of Anti-inflammatory activity of *Vitex negundo* on Indomethacin induced female rats. Proceedings of National seminar on “Recent trends in Botany” organized by A.S.C.College, Ramanandnagar (Burli). On 8th February, 2013. Pg.1-5.2012
- vi) Antidiabetic effects of *Portulaca oleracea* and *Portulaca quadrifida* in alloxan induced male rats. Proceedings of National seminar on “Biodiversity and Biotechnology” organized by A.S.C.College, Ramanandnagar (Burli). On 8th February, 2013. Pg.6-13. 2012.
- vii). Effect of Sialoadenectomy on the development of male reproductive organs in mice (*Mus musculus*). International Recognised Research Journal “Science Park” Vol-1, Issue- 2, 28-33, 2013. ISSN 2321-8045
- viii) Antioviulatory and Antiimplantation effect of Ethanolic extract of root of *Achyranthes aspera* Linn. in the female rats. Journal of Cell and Tissue Research. Vol 13(2) 3775-3778 (2013). ISSN: 0973-0028; E-ISSN: 0974-0910.
- ix) Effect of Salivariadenectomy on the development and testicular functions in mice. Journal of Cell and Tissue Research. Vol. 12 (1) 3117-3123 (2012). ISSN: 0973-0028.

Impact Factor: 5.249

- x) Pathophysiological changes in kidneys of rat exposed to Foundry environment. Proceedings of International Conference on Environment and Humanities, ECO REVOLUTION 2013. ISBN: 978-1-62951-818-3.
- xi) Advancing urban ethno pharmacology: a modern concept of sustainability, conservation and cross-cultural adaptations of medicinal plant lore in the urban environment. Conservation Physiology. Volume 9. 2022. 10.1093/conphys/coab073. Published by Oxford University Press and the Society for Experimental Biology. <https://doi.org/10.1093/conphys/coab073> **Impact Factor: 3.079**
- xii) Promising botanical-derived monoamine oxidase (MAO) inhibitors: pharmacological aspects and structure-activity studies. South African Journal of Botany xxx (xxxx) 1-20. <https://doi.org/10.1016/j.sajb.2021.09.019> **Impact Factor: 2.315**

xiii) Unravelling the regulatory role of miRNAs in secondary metabolite production in medicinal crops. *Plant Gene* 27(2021) 100303.

<https://doi.org/10.1016/j.plgene.2021.100303>. May 2021. **Impact Factor: 4.0931**

xiv) Biotechnology for propagation and secondary metabolite production in *Bacopa monnieri*. <https://doi.org/10.1016/j.sajb.2021.09.019> **Impact Factor: 2.315**

xv) Cytokinins: a genetic target for increasing yield potential in the CRISPR era. <https://doi.org/10.3389/fgene.2022.883930> . *Frontiers in Genetics* **Impact Factor: 4.274**

xvi) "Cytokinin and abiotic stress tolerance: what has been accomplished and what is the way forward?" <https://doi.org/10.3389/fgene.2022.943025>. *Frontiers in Genetics* **Impact Factor: 4.274**

xvii) Genetic diversity assessment and biotechnological aspects in *Aristolochia* spp. <http://dx.doi.org/10.1007/s00253-022-12152-1> *Journal of Applied Microbiology and Biotechnology* Published by Springer Nature with Impact Factor 4.813

xviii) Plant nutrient dynamics: a growing appreciation for the roles of micronutrients. <http://dx.doi.org/10.1007/s10725-023-01006-z> *Journal of Plant Growth Regulation* Impact Factor: 4.640

xvix) *Piper longum* L.: A comprehensive review on traditional uses, phytochemistry, pharmacology, and health-promoting activities. <http://dx.doi.org/10.1002/ptr.7649> *Phytotherapy Research*. 2022; 1–52. Impact Factor 6.38.

xxv) Approaches for in vitro propagation and production of plumbagin in *Plumbago* spp. <http://dx.doi.org/10.1007/s00253-023-12511-6> *SPRINGER- NATURE Based Journal Applied Microbiology and Biotechnology*. Impact Factor 5.467

C. Book Chapters in Edited Books:

1) CRISPR vegetables: Challenges and opportunities 2024/1/1 Book *CRISPRized Horticulture Crops* Pages 247-264 Publisher: Academic Press

2) CRISPR applications in medicinal and aromatic plants 2024/1/1 Book *CRISPRized Horticulture Crops* Pages 365-380 Publisher Academic Press

D. Awards Received:

1) Received a State Level Best Teacher Award “**Dhyan-Jyoti Award**” by *Aviskhar Social & Educational Foundation, Kolhapur (Maharashtra)* in May 2014 for the excellent work done in the field of Teaching & Social Work.

2) Received the State Level Best Teacher Award “**GURUVANDANA**” **IDOLS OF MAHARASHTRA** by *SAKAL PAPERS Pvt. Ltd. Kolhapur* in 31st October, 2022.

D. Participation in Orientation Course:

Attended the “73rd Orientation Course” of the Academic Staff College, Goa. Sponsored by UGC New Delhi from 10th August 2007 to 07th September 2007. in Grade “A”

E. Participation in Refresher Course:

- 1) Attended the “Refresher Course” of the Academic Staff College, University of Kerala. Sponsored by UGC New Delhi from 05th July 2012 to 26th July 2012. in Grade “A”
- 2) Attended the “Refresher Course” of the UGC- HRDC, University of North Bengal, Siliguri. Sponsored by UGC New Delhi from 06th July 2017 to 26th July 2017. in Grade “A”

F. Faculty Development Program:

- 1) Participated in Faculty Development Program on Cyber Security organized by Faculty Development Centre Shivaji University, Kolhapur hosted by Smt. Champaban Balchand Shah Mahila Mahavidyalaya, Sangli conducted by FDC, PMMMNMTT, during 04th May – 10th May 2019.
- 2) Participated in Faculty Development Program on “Managing Online Classes and Co-creating MOOC: 2.0” from May 18 – June 03, 2020. Organized by Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by MHRD, PMMMNMTT

G. Short Term Course:

- 1) Participated in “1st Online Short Term Course on Research Paper Writing” organized by UGC- HRDC, Gujarat University, Ahmedabad from 24/05/2021 to 30/05/2021.

H. Seminar, Conference & Symposium organized:

- 1) Organized a National Level Workshop on e – content development in collaboration of Knowledge Bridge, Ahmednagar on 23rd & 24th January, 2019 as a **Convener**.
- 2) Organized a National Level Conference on Conservation and Biodiversity Banking (NCCBB-2020) on 17th January, 2020 as a **Convener**.
- 3) Organized a 1st International Conference on "Advances in Materials Sciences & Applied Biology"(ICAMSAB- 2022) as a Convener.

I. Seminar, Conference & Symposium Participated:

- 1) Attended a Workshop on “**Women’s Studies: Challenges and Perspectives**” organized by Center for Women’s Studies, Shivaji University, Kolhapur on 1st August 1998.
- 2) Attended (Court-2001) “**Campaign on University Research and Training**” organized by Shivaji University, Kolhapur on 11th March 2001.

- 3) Attended a Workshop on **“SET Examination in Life Sciences”** organized by the Department of Botany, Shivaji University, Kolhapur on 3rd – 5th August 2002.
- 4) Attended a Workshop in Zoology for the S.Y.B. Sc (revised Syllabus) organized by the Board of studies in Zoology at M.D. College, Parel, Mumbai on 17th August 2003.
- 5) Attended a National Symposium on **“Recent Trends in Biology & Biotechnology”** & 23rd Annual Session of the Academy of Environmental Biology. 9th-11th October, 2003.
- 6) Attended a UGC sponsored Seminar on **“Applications of Biotechnology in Agriculture & Food Processing Sectors in Konkan”** at D.B.J college, Chiplun on 29th & 30th January 2005.
- 7) Attended a National Seminar on **“Recent Trends in Industrial Biotechnology”** at Modern College, Vashi, Navi-Mumbai on 9th February 2005.
- 8) Attended a Regional seminar on **“Antarctica: An Emerging Vision”** organized by National Centre for Antarctica and Ocean Research(NACOR) Vasco, Goa & PES’s SRSN College, Ponda, Goa on 20th & 21st August 2005.
- 9) Attended a Seminar on **“Globalization, Agrarian Policy and its impact on Rural Community”** organized by BUCTU, Mumbai & DBJ College, Chiplun on 25th January 2006.
- 10) Attended a National Symposium on **“Recent Trends in Life Sciences”** sponsored by UGC & University of Mumbai at Pancham Khemraj Mahavidalaya, Sawantwadi on 1st & 2nd December 2006.
- 11) Attended a National Conference on **“Sustainable Utilization of Aquatic Resources and Marine Biotechnology”** organized by DBJ College, Chiplun on 19th & 20th January 2007.
- 12) Attended a UGC sponsored National Symposium on **“Biotechnology & Biotechnology”** at YCIOS, Satara on 10th & 11th February 2007.
- 13) Attended a Seminar on **“Integrating Secular Values in Education”** organized by Citizen’s Initiatives for Communal Harmony, Goa on 19th August 2007.
- 14) Attended a UGC sponsored State Level Workshop on **“Biostatistics & it’s Application in Research”** organized by Royal College, Mira Road, Mumbai on 23rd & 24th November 2007.
- 15) Attended a Workshop on **“The Right to Information Act, 2005”** organized by Kandivili Education Society’s College of Arts & Commerce, Kandivili W), Mumbai on 10th December 2007.
- 16) Attended a National Conference organized by D.G Ruparel College, Mahim, Mumbai on **‘Marine Biology to Marine Biotechnology’** on 18th -20th January 2008, sponsored by DST & CSIR.

- 17) Attended a Two days NAAC sponsored State Level Seminar on the topic **“Quality in Higher Education: Challenges & Concern with Rural Institutions”** held on 1st and 2nd October, 2009. organised by A.M. A&N.CS, College, Rajapur.
- 18) Attended a Two Days National Conference on **“Life Sciences with special Reference to Environmental Biotechnology & Biodiversity”** sponsored by UGC and 4th Annual Session of Association of Zoologists, & 3rd Annual Session of ZOOPASTA at Vivekanand College, Kolhapur on February 2nd – 3rd, 2010.
- 19) Attended a One Day Workshop on **“Animation and Multimedia”** sponsored by **“LEAD COLLEGE, SHIVAJI UNIVERSITY, KOLHAPUR”** at Smt. Kasturbai Walchand College, Sangli on 30th September 2010.
- 20) Attended and presented a research paper in a National Seminar on **“Advances in Zoology and Life processes”** at Goa University, Goa on February 9th to 11th, 2012.
- 21) Attended a National Workshop on **“Biological Control of Insect Pests”** sponsored by DST Purse, New Delhi at Shivaji University, Kolhapur on 22nd March 2012.
- 22) Attended and Presented a Research paper in **4th International Conference on “Anthropogenic Impact on Environment and Conservation Strategy”** in Ranchi, Jharkhand from 2nd to 4th November 2012.
- 23) Attended a National Seminar on **“Recent Trends in Microbial Fermentations”** sponsored by UGC New Delhi at S.G.M. College, Karad on 27th & 28th December 2012.
- 24) Attended a National Seminar on **“Biodiversity and Biotechnology”** sponsored by UGC New Delhi at A.S.C College, Ramanandnagar on 8th February 2013.
- 25) Attended a State Level Workshop on **“Initial Stages of Research & Research Mind Set”** sponsored by Rayat Vidnyan Parishad at Balwant College, Vita on 15th March, 2013.
- 26) Attended a National Conference on **“Emerging Trends in Animal Sciences” (ETAS-2013)** sponsored by UGC-SAP organized by Shivaji University, Kolhapur on 22nd and 23rd March 2013.
- 27) Attended and Presented a Research paper in an **“International Conference on Environmental & Humanity ECO REVOLUTION- 2013”** in collaboration with Ministry of Science, Technology & Environment, Nepal & Nepal Tourism Board, Nepal organized by Pokhara Engineering College, **Pokhara, Nepal**, Eco Needs Foundation, India and Sadaham Sevana, Srilanka. On 29th Sep. – 1st Oct. – 2013.

19. Service to Community:

- i) Participated in organization of Blood Donation Camp on 22nd September 2001 & 23rd September 2003, as well as donated Blood on the same dates.

ii) Many times Farmers come to the College with questions of Insect Pest-Management, So visit the farmers and provide guidelines.

iii) Participated as a **Programme Officer** in a ten-day residential Camp at Savalaj, Tehsil: Tasgaon from 23 / 09 / 2008 to 02 / 10 / 2008 sponsored by **Government of Maharashtra**, as an **International Cleanliness Year 2008** with 40 participating volunteers.

20. Participation in Extra-moral activities: Nil

21. Participation in College Administration through Membership of various Committees:

- | | | |
|-------|---|----------------------|
| i. | Member of Sports Committee | (2000-01) |
| ii. | Member of Examination Committee | (2001-04) |
| iii. | Chairman of Staff Welfare Committee | (2003-04), (2007-08) |
| iv. | Worked as I/C Librarian for Science Library | (2000-03) |
| v. | Member of NSS Committee | (2000-02) |
| vi. | Member of Dattak-Palak Committee | (2003-04) |
| vii. | Member of Library Purchase Committee | (2001-04) |
| viii. | Member of College Building Committee | (2004-08) |
| ix. | Worked as Co-coordinator for college NAAC committee | (2004) |
| x. | Chairman for 12B & 2F Committee | (2007) |
| xi. | Chairman & Programme Officer NSS | (2008) |
| xii. | Chairman of Cultural Committee | (2008-10) |
| xiii. | Nodal Officer for NIRF, AISHE & MIS | (2019-2024) |

22. Membership of University Bodies: NIL

23. Other Memberships:

- i. Life Member of 'ZOOPASTA.' Shivaji University, Kolhapur.
- ii. Life Member of "Association of Zoologists, India."
- iii. Life Member of "National Environmentalists Association" Ranchi, Jharkhand, India.
- iv. Accredited Member of "International Society of Zoological Sciences" Beijing, China.
- v. Life member of "STAMI" Society for Technologically Advanced Materials, India. (LM-BS-0502)

Mr. Abhijit B Mane