

Curriculum Vitae

Capt.Dr. Sunita Bhosle (M.Sc., B.Ed, & Ph.D.)



Associate Professor in Botany
Department of Botany,
M.S.P. Mandal's Balbhim Arts, Science and Commerce College,
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Email: sunita.bhosle25@gmail.com
Date of Birth: 25th June 1982

Teaching Experience:

U.G. : 14Years

P.G. : 12Years

Name of Employer	Type of Service	Designation	From To
Balbhim Arts, Science and Commerce College, Beed	Regular	Assistant Professor	22.12.2010 to Till today

Research Interest: Genetics and Plant Breeding, Mutation Breeding, Ethnobotany.

Students Guided : Ph. D: Ongoing two

Publications

Research Paper (National/ International level): Chapter in Book:12

Magzine : 1

Paper published in Journal :31

Patent :03

Lectures/Invited Talks: International/National/ State/College level = 3

Papers Presented: Conferences/Symposia/Seminars etc. = 04

Poster Paper Presented: 03

Books Published: 3

Total citations: 69

h-index: 02

i10-index: 01

ADMINISTRATIVE RESPONSIBILITIES

1. Head Of NCC Girls Unit: Associate NCC Officer, NCC unit, 51 MH BN NCC, Aurangabad, Balbhim Arts, Science and Commerce College Beed, since March 2012.
2. Head of the Military Science dept.: Balbhim Arts, Science and Commerce College Beed since June 2014- 2019
3. IGNOU: Counselor of IGNOU center of Balbhim Arts, Science and Commerce College Beed since June 2012.
4. Chairman: Chairman of paper setter of Papers PG Theory examination, Dr.BAM University Aurangabad since 2020.
5. Member of BOS (Committee of CBC and GS pattern for UG courses in the subject of Botany) since August 2021.
6. Coordinator of Green Audit and Eco Club 2023 to 2024, 2024- 2025

List of Book Published

1. "Before U Bloom", published by Notion Press on 7.Nov.2020, ISSN- 10- 1649837526.
2. "Vardi" Maharashtra Police Bharti Margdarshak Published by Idea Publication, ISBN 978- 81- 926765- 5- 6, 2016.
3. Book "Automation In Agriculture" R. K Publication. ISBN:9789348020505, 9348020501
Page count:315, Published:2 September 2024, Format:ebook, Publisher: [RK Publication](#), Language: [English](#), Author: [Dr. R. K Kumawat](#), [Dr. R. A Kapgate](#), [Dr. Sunita Bhosle](#), [Mr. S Manoj Kumar](#)

LIST OF PUBLICATIONS:

Year 2024- 25

1. Title : "Assessment of Food security Situation In India in 2024" published in International Open access Journal of Novel Research and Innovative Development, Vol :3 Issue 2 Feb 2025, Impact factor 9.57 ISSN: 2984- 8687 pg no a255- 258..
2. Title : " Review on Garlic Cultivation in India : Techniques challenges and future Prospects" published in Modern Phytomorphology, ISSN 2226- 30 63, eISSN 2227- 9555 year 2024, volume 18, page number 133- 143, DOI :10 .5281/zenodo.20 0 121 (10 .5281/zenodo.Year- Volume- PDF No.). <https://www.phytomorphology.com/articles/review- on- garlic- cultivation- in- india- techniques- challenges- and- future- prospects.pdf> .
3. Title : "Characterization and comparative Analysis of Alpha Galactosidase in Cluster bean mutants: Insights into Enzyme Activity, stability and Application Potential" published in International Journal of Novel Research and Development. ISSN 2456- 4184, volume 9, Issue 8, Page no D283- D287.
4. Title : " Review on Ginger cultivation in India" published in International Journal of Advanced and Applied Research , ISSN No- 2347- 7075, Impact factor- 8.141, Vol 5, Issue - 25, July- Aug- 2024, Peer reviewed Bimonthly , website- <https://ijaar.co.in>, Pg- No- 28- 29. <http://ijaar.co.in/wp-content/uploads/2021/02/Volume- 5- Issue- 25.pdf> .
5. Title : A Review on the Conservation Status, Ethnobotanical Characteristics and Some Biological Studies of Acorus calamus L" Journal of Experimental Agriculture International Volume 47, Issue 3, Page 308- 318, 2025; Article no. JEAI.132999 ISSN: 2457- 0 591 (Past name: American Journal of Experimental Agriculture, Past ISSN: 2231- 0 60 6).
6. Title : "The Economic Impact of Agro- Tourism in India" chapter published in book "Agro- tourism, Mahi Publications, ISBN 978- 93- 6678- 497- 7, Pg 32- 28.
7. Title: Resilient Leadership: How Women Anvigate And Overcome Work Place Challenges Page No 220 To 224 ISBN No 978- 93- 6186- 602- 9, Year Of Publication 8.March 2025, Pratinad Book (author).
8. Title: Environmental Conservation and the role of women in the rural area, page no 193- 196 To ISBN No 978- 93- 6186- 602- 9, Year Of Publication 8.March 2025, Page No Pratinad Book(Second author).
9. Title : Women as a Guardian and nurturer of the Environment , page no 232- 236 , ISBN No 978- 93- 6186- 602- 9, Year Of Publication 8.March 2025, Page No Pratinad Book(Second author).
10. Book "Automation In Agriculture" R. K Publication. ISBN:9789348020505, 9348020501 Page count:315, Published:2 September 2024 , Format:ebook, Publisher: [RK Publication](#) , Language: [English](#) , Author: [Dr. R. K Kumawat](#), [Dr. R. A Kapgate](#), [Dr. Sunita Bhosle](#), [Mr. S Manoj Kumar](#) .
11. Title: "Environmental Ethics: Principles, Challenges, and Future Directions" published in book entitled INTEGRATED ENVIRONMENTAL SCIENCE: A Multidisciplinary Approach publication Akshar Prakashan ISBN: 978- 93- 341- 5064- 3, Pg No. 18- 23 .

2023-24

12. Title : "Implementation of E- Learning Platform to enhance Education Sectors through Virtual and Augmented Reality with Internet of Things" published in Proceedings of the Fourth International Conference on Smart Electronics and Communication (ICOSEC- 2023) IEEE Xplore Part Number : CFP23v90- ART: ISBN : 979- 8- 3503- 0088- 8, pg. 411- 417.
13. Patent: Indian Patent Design No. : 415334- 001, Date : 30/04/2024, Sanitary Disposable Bins.

2021-2022

14. Topic: "Effect of Chemical Mutagens on Seedling height in Cluster beans (*Cyamopsis tetragonoloba* (L.) Taub.) by Mutation Breeding, published in International Journal of Scientific Research in Science, Engineering and Technology, ISSN: 2395- 1990, print and ISSN 2394- 4099 online, Vol 9, Issue 5 Publication July - Aug 2021. Pg no 12- 16. Impact factor 7.146.
15. Topic : "Online classes - requisite in school education" published in International journal of scientific research in Science and Engineering and technology, Aug 2021, ISSN 2395- 1990, print and ISSN 2394- 4099, Impact factor 7.146.
16. Topic : " Ethics and moral values; as core life skills for students and cadets" in "Journal of research and development" A multidisciplinary International level referred and peer reviewed journal, impact factor 7.265, ISSN : 2230- 9578, 4 Sept 2021 Vol 12, Issue - 5, Changing perspectives of Education. pg 74- 76
17. Topic : " Potential of research in higher education" published in "Journal of research and development" A multidisciplinary International level referred and peer reviewed journal, impact factor 7.265, ISSN : 2230- 9578, 4 Sept 2021 Vol 12, Issue - 6, Changing prespectives of Education. Pg 19- 21.
18. Topic: " Chemical characters of Sorghum silage under influence of N- Fertiliser and Mechanical treatment" published in book Frontiers in Biological Sciences, by Xpress publishing, Notion Press, Pg.no.310- 317, ISBN no 979- 888629608- 2
19. Topic "Biodiversity loss, Threats and its Conservation" published in International Journal of Advance and Applied Research, ISSN No 2347- 7075, Impact factor 7.328, volume - 2 Issue - 5, page no 130- 131.

2020-2021

20. Topic: "Effect of N- Fertilizers on Silage Fermentation" published in International research fellow Association, Research Journey E Journal, E- ISSN – 2348- 7143, December 2020 Special Issue 256 (C), impact factor: 6.625, Pg 74- 79.
21. Topic: "Review on CRISPR as tool for gene editing" published in Multidisciplinary Research, Anand Prakashan, ISBN no- 978- 93- 90004- 07- 2, Dec. 2020.

22. "Before U Bloom" notion Press 7.Nov.2020, ISBN 9781649837523

Year: 2020

23. 4.Topic : "India traditional food, food habits and customs in combating pandemics : You are what you eat", published in International journal of economic and taxonomic botany, scientific publishers, Vol 44 Issue 1-4 March- Dec 2020, ISSN no.0250- 9768, Pg no 62- 66.
24. 5.Topic: "Effect of N- Fertilizers on Silage Fermentation" published in International research fellow Association, Research Journey E Journal, E- ISSN – 2348- 7143, December 2020 Special Issue 256 (C), impact factor:6.625, Pg 74- 79.

Paper in Book

25. Topic: "Review on CRISPR as tool for gene editing" published in Multidisciplinary Research , Anand Prakashan, ISBN no- 978- 93- 90004- 07- 2,Dec.2020.

Year: 2019

26. Topic : Review: "Ethnobotanical properties of turmeric in Maharashtra" published in Think India Journal with ISSN: 0971- 1260 , vol. 22, issue 31 in Dec 2019, indexed with cross reference and DOI <https://doi.org/10.26643/think-india>, UGC care approved International Indexed and Referred journal impact factor 6.2
27. Topic: Effect of Gamma rays on Early flowering in Cluster bean (*Cyamopsis tetragonoloba* (L.)Taub.), PUBLISHED IN RESEARCH JOURNEY, International multidisciplinary E – Research Journal , Roll of ICT in Higher Education, UGC approved no. 40705, ISSN- 2348- 7143, Impact factor (SJIF)- 6.261, (CIF)- 3.452, (GIF)- 0.076,Page no.60- 63, Feb 2019.
28. Topic : "Productivity of fodder crops under sole and intercropping" – published in International research Associations ,Research Journey multi disciplinary International E- Research Journal, UGC approved no. 40705, ISSN- 2348- 7143, Impact factor (SJIF)- 6.261, (CIF)- 3.452, (GIF)- 0.076, Page no.13 to 15, Feb 2019.
29. Topic : "Effect of plant growth regulators(PGRs)and deproteinised juice (DPJ) on Maize and wheat seed germination", – Research Journal , UGC approved no. 40705, ISSN- 2348- 7143, Impact factor (SJIF)- 6.261, (CIF)- 3.452, (GIF)- 0.076,Page no.134- 135, Feb 2019.
30. Topic : "Potential of Herbage mixture as Silage prepared with mechanical Pretreatment" published in Journal of Global resources, Vol 5 (02) , July 2019, page no. 302- 304, ISSN 2395- 3160.

31. Topic: "Comparative studies on Conventional and Recent trends in Plant Sciences", published in "Research Journey" International Multidisciplinary E Research Journal , ISSN 2348- 7143, Oct 20 19, Impact factor – (SJIF)- 6.625,(CIF) - 3.452(20 15), (GIF)- 0.676 (20 13), Special Issue 199: pg.112- 113.

Year: 20 18

32. Topic "Van Vanyjiv abhyaran ke jangli khadya paudhe" Published in Magzine Vanspati Vani , Botanical survey of India, Sept 20 18 Volume 27pg no.40- 46

Year: 20 17

33. Topic: Effect of mutagens on Pollen sterility of Cluster bean", published in "An international Multidisciplinary half yearly research journal , Royal Volume VI, Issue I , Part II, June to November 20 17, ISSN- 2278- 8158, Pg.No.20 4- 20 8.

Year: 20 16

34. Topic: "Education in 21st century a view by MKGandhi", published in National Journal Abhisaran 2229- 4856, Relevance of Gandhian Thoughts, Pg 353- 356, April 20 16.
35. Topic : "Mahatma Gandhiji's contribution for economic globalization of village", published in National Journal Abhisaran 2229- 4856, Relevance of Gandhian Thoughts,Pg 330- 335, April 20 16.
36. Topic: "Inculcating moral values through education conceived by Swami Vivekanada", published in National Journal Abhisaran 2229- 4856, Relevance of Vivekanada's Thoughts in 21st century : A view of M. K. Gandhi, Pg 70- 73 , April 20 16.
37. Topic: "Review on thoughts on education by Vivekananda", published in National Journal Abhisaran 2229- 4856, Relevance of Vivekanada's Thoughts in 21st century, Pg. 74- 79, April 20 16.
38. Topic: "Gandhi as protagonist for global peace", published in National Journal Abhisaran 2229- 4856, Relevance of Gandhian Thoughts, Pg 365- 370, April 20 16.
39. Topic: "Awakening of Youth by Swami Vivekananda", published in National Journal Abhisaran 2229- 4856, Relevance of Vivekanada's Thoughts in 21st century, Pg147- 152, April 20 16.

Year: 20 15

40. Topic: Review on "Ecofriendly biopesticides as boon in agriculture" published in Power of Knowledge Journal, an International multilingual Quarterly Refereed Research Journal, Volume: I Issue VI Jan- Mar .20 15,ISSN2320- 4494,RNI no.MAHAUL030 0 8/13/1/20 12- TC,Pg.No.95.
41. Topic: "Life saver green gold Tridax procumbens : A Review" published in Power of

Year: 20 14

42. Topic: " Conversion of surplus forage crops to produce nutritive fodder: the Silage" in proceeding of national symposium of New Research Aspects and Its Applications in Life Sciences with ISSN No.2229- 3302 Feb 20 14.
43. Topic: "Gamma ray induced chlorophyll mutations in *Cyamopsis tetragonoloba*(L.)Taub published in Online Journal, Science park research journal, Vol.2, Issue - 15,Pg No.1- 6,23rd Oct 20 14 with impact factor 1.620 0 [UIF- 20 13].

Year: 20 11

44. Topic: "Changes in water soluble protein in mutants of Cluster bean (*Cyamopsis tetragonoloba* L. (Taub.) Induced by chemical and physical mutagens", published in International Journal of Bionano Frontier in Feb 20 11.

Chapter in Book

45. Topic: "Roof top rain water Management by domestic sources" published in Book entitled "Role of women in rain water conservation and its Management" in 20 11." (ISBN No. 978- 81- 922162- 0- 1).
46. Topic:"Women and water management: An integrated approach" published in Book entitled "Role of women in rain water conservation and its Management" in 20 11." (ISBN No. 978- 81- 922162- 0- 1).

Year: 20 10

47. Topic:"Low trypsin inhibitor in cluster bean (*Cyamopsis tetragonoloba* (L.)Taub.) mutants", published in The Biosphere, An International Biannual Journal of Life Sciences Vol. 2, no.1, April 20 10, pg 24- 26.
48. Topic: "Mutagenic efficiency and effectiveness in cluster bean (*Cyamopsis tetragonoloba* (L.)Taub.), published online in Journal of Phytology. <http://journal-phytology.com/issue/current>. ISSN: 20 75- 6240 Plant Genetics Available Online: www.journal-phytology.com, Journal of Phytology 20 10, 2(6): 21- 27.

Year: 20 08

49. Topic: "Morphological alterations in cluster bean (*Cyamopsis tetragonoloba* (L.) Taub.) by Mutation breeding", published in National Journal of Life Science – Bioinfolet Vol.5 20 08,pg 158- 164.

Place: Beed

Capt. Dr.Sunita Bhosle
Associate Professor.