

CURRICULUM VITA

- 1) **Name** : Prof. Dr. Mali Bhagawan Shankar
2) **Educational Qualification** : M.Sc., Ph.D.
3) **Present Designation** : Professor
4) **Date of Birth** : 11th June, 1966
5) **Contact No.** : 9822218249
6) **Email ID** : bhagawanmali10@gmail.com
7) **Date of Appointment** : 07th December, 2004
8) **Teaching Experience** : 18 Years
9) **Date of joining in present college** : 07th December, 2004

10) Educational Qualification:

| Sr. No. | Examination Passed | University/ Board | Year of Passing | Subject(s) | Class/ Grade |
|---------|------------------------|----------------------------------|-----------------|---|--------------|
| 1. | High School/ Matric | Pune Board | March, 1982 | Marathi, Hindi, English, Maths, Science, Social Sci. | First Class |
| 2. | Intermediate | Pune Board | March, 1984 | English, Marathi, Geography, Physics, Maths Chemistry, Biology | Second Class |
| 3. | B.Sc. | Shivaji University, Kolhapur | April, 1988 | Botany | First Class |
| 4. | M. Sc. | Shivaji University, Kolhapur | April, 1990 | Botany | First Class |
| 5. | Ph.D. | Bhavnagar University, Gujarat | July, 1995 | Botany | - |

11) Total Research Publications : 20

a. M.Phil. / Ph.D./Research

| Sr. No. | M.Phil. / Ph. D. Thesis Title | Name of The Univ. | Year of award | Name of Guide |
|---------|---|--|-----------------------------|---|
| 1 | Studies on salt tolerance of forage halophytes | Bhavnagar University, Bhavnagar (Gujarat) | 10 th July, 1995 | Prof. A. J. Joshi Department of Life Sciences Bhavnagar University Bhavnagar Gujarat. |

b. Book: 02

| Sr. No. | Title of Book | Year of publication | ISBN | Name & Place of Publisher |
|---------|--|---------------------|------------------------|---------------------------|
| 1. | English Medium Easy Method : To Raise Vermicomposting Unit | 2016 | ISBN 978-81-922382-1-0 | Vaishali Mali Baramati |
| 2. | Marathi Medium Gandul Khat Prkalp Nirmiti-Ek Sopi Padhat. | 2018 | ISBN 978-81-922382-1-0 | Vaishali Mali Baramati |

c. Chapter in Book: Nil

| Sr. No. | Title of Book & Name of Editor | Title of the Chapter | Year of publication | ISBN | Name & Place of Publisher |
|---------|--------------------------------|----------------------|---------------------|------|---------------------------|
| 1. | - | - | - | - | - |

Research Paper: 21

| Sr. No. | Title of the Paper | Name of Journal | Month and Year of publication | ISSN | UGC. No./Impact Factor/ Citation Details |
|---------|--|---|-------------------------------|---------------|--|
| 1. | Seasonal changes in amino acid and mineral in <i>Salvadora persica</i> with reference to saline habitat. | <i>Indian Journal of Plant Physiology.</i> | 1993 | 0019-5502 | Peer Reviewed, Citation 12 |
| 2. | Physico-chemical characteristics of salt affected soil from Barhanpur, M.S., India. | <i>Annals of Biological Research</i> | 1995 | 0936-1234 | Peer Reviewed, Citation 14 |
| 3. | Effect of salts on germination of <i>Amaranthus spinosus</i> L. | <i>Bio-infolet.</i> | 2011 | 0976-4755 | Peer Reviewed, |
| 4. | Salt tolerance at germination early growth of two forage grasses growing in marshy habitats. | <i>Environmental and Experimental Botany.</i> | 2005 | - | Peer Reviewed, Citation 53 |
| 5. | Effect of auxin and biofertilizer treatment on rooting and growth response of <i>Duranta plumeri</i> Jacq ornamental plant | <i>Botany Shodhankan.</i> | 2012 | 2250-0383 22b | Peer Reviewed, |
| 6. | Physico-chemical analysis of water from reservoirs of Barhanpur, Baramati Tahasil in Maharashtra | <i>Botany Shodhankan.</i> | 2012 | 2250-0383 22b | Peer Reviewed, |

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|-----|---|--|------|------------------|----------------------------|
| 7. | Physico-chemical characteristics of salt-affected soil from Barhanpur, M.S., India. | <i>Annals of Biological Research.</i> | 2012 | 2348-1927 | 1.18 |
| 8. | Effect of vermicompost on the growth of 15-days-old seedlings of <i>Phaseolus mungo</i> Linn. | <i>International Environmental Journal.</i> | 2014 | 0971-765X | UGC List No. 67 |
| 9. | Survey on aflatoxin in awareness and assessment of Pune district of Maharashtra (India). | <i>International Environmental Journal.</i> | 2015 | - | Peer Reviewed |
| 10. | Effect of air pollution on leaf structure of <i>F. bengalensis</i> 1. Plant on NH-4 divider | <i>Advances in Plant Sciences.</i> | 2014 | 0970-3586 770 | Peer Reviewed |
| 11. | Antifungal potential of <i>Cuscuta reflexa</i> Roxb. | <i>Central European Journal of Experimental Biology.</i> | 2014 | 2278-7364 | Peer Reviewed, Citation 05 |
| 12. | Salt tolerance at germination of <i>Pentatropis nivalls</i> Wight and Arn growing in salt affected soils from Songaon, Baramati (MS) India | <i>Advances in Plant Sciences.</i> | 2015 | 0970-3586 | Peer Reviewed |
| 13. | Accumulation of free amino acids in <i>Pentatropi snivalis</i> (J.F. Gmel) Field and wood growing on secondary salinized soils at Baramati tahsil (M.S.) India. | <i>Advances in Plant Sciences.</i> | 2017 | 0970-3586 770 | Peer Reviewed |
| 14. | Seasonal changes in trace elements in <i>Pentatropis nivalis</i> (JF Gmel) Field and Wood growing in saline habitats from Baramati tahsil (M.S.). | <i>Advances in Plant Sciences.</i> | 2017 | 0970-3586 770 | Peer Reviewed |
| 15. | Seasonal changes in concentrations of carbohydrates in <i>P. nivalis</i> Wight and Arn, succulent halophyte growing in secondary salt-affected soil from BaramatiTahasil, (M.S.) India. | <i>International Journal for Science and Advance Research in Technology.</i> | 2018 | 2395-1052 | Peer Reviewed |
| 16. | Biochemical studies of <i>Cuscuta reflexa</i> Roxb. and its host plants. | <i>Flora and Fauna.</i> | 2014 | 0971-6920 | Peer Reviewed |
| 17. | Effect of various chloride and sulphate salt concentrations on seed germination of <i>Trianthem gportulacastrum</i> L. growing on man-made saline soil from Baramati (Dist. Pune) (M.S.) India. | <i>International Environmental Journal.</i> | 2019 | 0971-765X | Peer Reviewed |
| 18. | Effect of vermicopost and <i>Parthenium</i> compost on growth of Brinjal | <i>International environmental journal.</i> | 2020 | 0971-765X | Peer Reviewed |
| 19. | A Review on Aeromycological Studies | <i>Advances in Plant Sciences.</i> | 2020 | - | Peer Reviewed |
| 20. | Potential use of <i>Parthenium</i> (<i>Parthenium hysterophorus</i> L.) as compost | <i>Ecology, Environment and Conservation.</i> | 2020 | 0971-765X | Peer Reviewed |
| 21. | Comparison of accumulation of organic and inorganic osmolyte in <i>Trianthema portulacasstrum</i> L. | <i>Ecology, Environment and Conservation.</i> | 2020 | 0971-765X | Peer Reviewed Citation 02 |

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| | growing in saline and non saline habitats. | | | | |
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a. Research Project: 02

| Sr. No. | Name of Funding Agency | Project Title | Funds Received | Month and Year of sanction | Duration of the Project | Status of Project |
|---------|--|--|----------------|----------------------------|-------------------------|-------------------|
| 1. | BCUD, Savitribai Phule Pune University, Pune | Salt affected soils from Baramati Tahasil | 1,50,000/- | 2009 | 2009-2011 | Completed |
| 2. | BCUD, Savitribai Phule Pune University, Pune | Seasonal changes in osmoregulatory compounds in <i>Pentatropis nivalis</i> Wight & Arn. reference to saline habitats from Baramati (Dist. Pune) Tahsil habitats from Baramati (Dist. Pune) Tahsil. | 1,80,000/- | 2013 | 2013-2015 | Completed |

b. Papers presented in Seminar / Conference:

| Sr. No. | Name of the Conference/ Seminar | Title of the paper | Date | Level (State/ National/ International) | Name of the Organizer |
|---------|--|---|---------------|--|---|
| 1. | 'Biotechnological Approaches towards the Integrated Management of Crop diseases' | Post-harvest pathogen of Turmeric in Western Maharashtra | 30-31/07/2014 | National | Department of Botany, BAMU, Aurangabad (M.S.) |
| 2. | 'Environment & Biodiversity', Ecology Society (ECOS) | Accumulation of organic and inorganic solution in <i>A maring</i> | 07-09/03/1994 | International | Ecology Society (ECOS), Nepal, |
| 3. | Asian Plant Science, Society for Applied Biotechnology, | Seasonal changes in organic and inorganic osmolites in <i>P. nivalis</i> growing in Baramati, Dist. Pune (MS) India | 01-03/11/2014 | International | Nepal |
| 4. | Plant Research and Resource Management | Seasonal Variations of Proline content in <i>P. nivalis</i> growing in man-made salt affected soil from Baramati Tahasil, (M.S.), India | 2016 | International | T. C. College, Baramati, Dist. Pune (MS) |
| 5. | 'Recent Trends in Plant Sciences' | Effect of vermicompost on growth of <i>Phaseococcus</i> | 03-05/02/2012 | National | T. C. College, Baramati |
| 6. | 'Life Sciences' | Accumulation of Trace elements in <i>P. nivalis</i> India | 12-13/09/2014 | National | Dahiwadi College, Dahiwadi (M.S.) |
| 7. | 'Biodiversity and Ecological Sustainability' | Comparision of accumulation of organic and inorganic osmolyte in <i>Trianthema</i> | 15-16/02/2014 | National | S. C. S. (J) College, Puri, Odisha |

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|-----|--|--|---------------|----------|--|
| | | <i>portulacastrum</i> L. growing in saline and non saline habitats | | | |
| 8. | 'Recent Trends in Physical Chemical and Biosciences' | Effect of Panchagaya on seed germination of Chilli (<i>Capsicum annum</i>) | 16-17/12/2016 | National | ASC College, Baramati |
| 9. | 'Interdisciplinary Aspects of Plant Sciences' | Seasonal variations of stress toxic elements in <i>P. nivalis</i> field and wood growing in saline habitats from Baramati Tahsil (MS), India | 02-04/11/2017 | National | Shri. Mata Vaishnavdevi University, Katara |
| 10. | Recent Trends in Botany | Studies on potential use of <i>Parthenium hysterophorus</i> L as biofertilizers | 30/12/2017 | National | Kisan Veer Mahavidyalaya |
| 11. | 'Frontiers in Bio-fertilizers and Bio-pesticides' | Studies on effect of vermicompost on growth of <i>Capsicum annum</i> | 09-10/02/2018 | National | R.J.S.P.M's Arts, Commerce and Science College, Landewadi, Bhosari, Pune |

a. Patents published/Register : 01 Awarded

12) Research Guidance:

a) Guide ship Details

| Sr. No. | M.Phil./ Ph.D. Guide | Name of University | Month & Year of recognition | No. of Research Scholars | |
|---------|----------------------|----------------------------------|-----------------------------|--------------------------|----------|
| | | | | Completed | Perusing |
| 2 | Ph.D. Guide | Savitribai Phule Pune University | September, 2019 | 00 | 08 |

b) Research Guidance : 08

| Sr. No. | Name of Scholar | Name of University | Month and Year Registration | Title of the Research |
|---------|---------------------------|----------------------------------|-----------------------------|---|
| 1. | Ms. Arati Vitthal Shevate | Savitribai Phule Pune University | 18/02/2021 | Physiological studies of <i>Pentatropis nivalis</i> (J.F. Gmel.) D.V. Field and J.R.J. Wood with reference to salinity from Baramati Tehsil (M.S.) India. |
| 2. | Ms. Prital Popatrao Pisal | Savitribai Phule Pune University | 29/03/2022 | Studies on physiology of <i>Trianthema portulacastrum</i> L. under saline conditions. |
| 3. | Mr. Dattatray Balu Shinde | Savitribai Phule Pune | 29/03/2022 | Physiological studies of <i>Fimbristylis dichotoma</i> (L.) Vahl. with reference |

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| | | University | | to soil slinity. |
| 4. | Mr. Vikram Sanjay Patil | Savitribai Phule Pune University | 29/03/2022 | Studies to seek the ability of <i>Amaranthus viridis</i> L. as remediator of saline soil. |
| 5. | Mr. Vinayak Arun Bhagat | Savitribai Phule Pune University | 29/03/2022 | Studies on seasonal variation of osmolytes in <i>Chenopodium album</i> L. under saline soil. |
| 6. | Mr. Tejas Sudhir Nevase | Savitribai Phule Pune University | 14/07/2022 | Physiological studies of <i>Amaranthus spinosus</i> L. under salt stress condition. |
| 7. | Mr. Navnath Ranganath Nanavare | Savitribai Phule Pune University | 14/07/2022 | Physiological studies on <i>Chrozophora rotteri</i> from secondary saline soil. |
| 8. | Miss. Gaikwad Joyti | Savitribai Phule Pune University | 12/04/2023 | Physiological studies on <i>Chenopodium muralli</i> L. from saline soil with reference to Baramati. |

13) Professional recognition / award/ fellowship etc.

| Sr. No. | Name of Award/ Recognition | Awarding Agency | Date |
|---------|--|--|-------------|
| 1. | Recognized P.G. Teacher in Botany | Savitribai Phule Pune University, Pune. | March, 2010 |
| 2. | Recognized Ph.D. Guide in Botany | Savitribai Phule Pune University, Pune. | July, 2020 |
| 3. | Padmashree Dr. Manibhai Desai Rashtira Seva Award | Dr. Manibhai Desai Prathisthan Uralikanchan | 2008 |
| 4. | Zilha Yuva Gaurav | Bharat Sarkar Youth and Sport Ministry Nehru Yuva Kendra, Pune | 2009 |
| 5. | Best Programme Officer (District Level) | Pune University, Pune | 2010 |
| 6. | Best NSS P.O. University Level | Savitribai Phule Pune University, Pune | 2011 |
| 7. | Best NSS P.O. State Level | Govt. of Maharashtra | 2012 |
| 8. | Conference organizing secretary | APSI, Muzaffarnagar, U.P. | 2016 |
| 9. | Best NSS P.O. | Pearl Foundation, Madurai (T.N.) | 2017 |
| 10. | Working as BoS Chairman of Botany | Tuljaram Chaturchand College, Baramati (Autonomous) | Since 2021 |

14) E-Content Development:

| Sr. No. | Title of Content | Level (UG/ PG / ALL) | Platform | Link of E-Content |
|---------|--|----------------------|----------|---|
| 1. | Plant physiology: vernalization | UG | You tube | https://youtu.be/DCTIYJ7raIE?si=KUipxNt2M_Zyf392 |
| 2. | Plant physiology : vernalization | UG | You tube | https://youtu.be/m0hmLriGcSw?si=A5BJZQxli0Xk9Tt |
| 3. | Plant physiology : vernalization | UG | You tube | https://youtu.be/xHkTHMFw3IE?si=_HC3SdPVdBe5saXX |
| 4. | Plant physiology paper ii unit physiology of flowering | UG | You tube | https://youtu.be/Skird6GpJLw?si=N12DtZb46Fdf8eYL |
| 5. | Biostatistics: probability | UG | You tube | https://youtu.be/BOLUsDFD96U?si=peQAoQC8qFhN1uBP |
| 6. | Computation of seed testing and plant growth indices | UG | You tube | https://youtu.be/PY6mIEjKvdk?si=W8lnrR0UvPk0AcpB |
| 7. | Biostatistics: types of correlations | UG | You tube | https://youtu.be/7QwpaGgDwlk?si=SHRFKsGh8XxI-CEi |
| 8. | Biostatistics: types of correlations | UG | You tube | https://youtu.be/vTQrdzSeK6U?si=mo7PjFu1p9XXnnB2 |
| 9. | Biofertilizers industry | UG | You tube | https://youtu.be/y1IVsvm1GAU?si=dvQ0zawlUj6MN6FK |
| 10. | Study of plasmolysis in suitable plant material | UG | You tube | https://youtu.be/vTQrdzSeK6U?si=mo7PjFu1p9XXnnB2 |
| 11. | Rate of transpiration | UG | You tube | https://youtu.be/7m_gxYmOpUw?si=diuVvUgqLB78ExaK |
| 12. | Introduction to plant biotechnology | UG | You tube | https://youtu.be/zKOyT67TanE?si=Nj8_vOPBQ30Owu7B |
| 13. | Family solanaceae | UG | You tube | https://youtu.be/c2vLB5cqS8g?si=OGis86mqT73UREz9 |
| 14. | History of biotechnology | UG | You tube | https://youtu.be/xCqKnzXnsmc?si=bthh_yoQTipUmrzmz |
| 15. | Biostatistics | UG | You tube | https://youtu.be/7QwpaGgDwlk?si=Z4fxGsDpb2mgO |

15) Work Experience on Academic Bodies and other:

| Sr. No. | Designation/ Position | Duration | Name of Institute / University | Details |
|---------|---------------------------|------------------------|---|---------|
| 1. | Head Department of Botany | Since 2021- till today | Department of Botany, Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati. | - |
| 2. | BoS Chairman | 2021-2025 | Department of Botany, Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati. | - |
| 3. | BoS Member | 2022-23 | Botany, Y. C. Institute, Satara | - |

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|----|----------------------------------|------------------------|---|---|
| 4. | District Co-Ordinator for NSS | Since 2010-till today | SPPU Pune. | - |
| 5. | Member of NSS Advisory Committee | Since 2012- till today | SPPU Pune. | - |
| 6. | Best contingent leader trophy | 2012 | Avhan camp. | - |
| 7. | Worked as Programme Officer | 2007-11 | Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati. | - |
| 8. | Student Development Officer | Since 2021- till today | Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati. | - |

16) Life Membership of Profession Bodies:

| Sr. No. | Name of Professional Body |
|---------|---|
| 1. | Life member of Indian Journal of Plant Physiology |

Any other Attainment: All India Radio Talks: 29

- Subject of Talks : Vermicomposting project setting
- Organic farming
- Wasteland development
- Road safety
- Salt affected soil and its reclamation
- NSS and youth

TV Programme: SAAM T.V. Marathi