

CURRICULUM VITAE

- 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** : 21 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 : 33

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
3.	Chapter- Halophyte: A good source of forage production under salt stressed condition on salvadorapersica	2024	1995, 353-360	Dr. Bhagawan Shankar Mali Sole- Author
4.	Halophytes: Salt- Tolerant plants of Baramati Tehsil	2025	Genic Books 978-81-990617-5-0	Dr. Bhagawan Shankar Mali Sole- Author

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: 33

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,
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>E. 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. growing in saline and non saline habitats.	<i>Ecology, Environment and Conservation.</i>	2020	0971-765X	Peer Reviewed Citation 02
22.	Effect of salts on seed germination and seedling growth of <i>Pentatropis nivalis</i> L. (J.F. Gmel) Field and Wood.	<i>Ecology, Environment and Conservation.</i>	2024	0971-765X	Peer Reviewed

23.	Studies on bioactive compounds of <i>Ganoderma lucidum</i> Langhi from Baramati tehsil of Pune District	<i>IJSRR</i>	2024	2279-0543	Peer Reviewed
24.	First Report of <i>Chenopodium murale</i> (L.) S.Fuentes, Uotila and Bosrch from Baramati Tehsil Maharashtra, India	<i>Eco. Env. And Cons</i>	2024	0971-765X	UGC Care
25.	Physico-chemical characteristics of rhizosphere saline soil of <i>Chenopodium album</i> L. from Baramati tehsil	<i>Eco. Env. And Cons.</i>	2024	0971-765X	UGC Care
26.	Effect of Different Concentration of NaCl and KCl on seed Germination of <i>Amaranthus viridis</i> L.	<i>Eco. Env. And Cons</i>		0971-765X	UGC Care
27.	Effect of various concentration of Biofertilizer on the seedlings of <i>Capsicum annum</i> L.	<i>Eco. Env. And Cons.</i>	2024	0971-765X	UGC Care
28.	Inorganic elements in the leaves of <i>Pentatropis nivalis</i> (J.F.GMAIL.)D.V. FIELD & J.R.I WOOD from Baramati teshil	<i>Bioinfolet</i>	2024	0973-1431	UGC Care
29.	Phytochemical Screening and LC-MS analysis of leaves of <i>Pentatropis nivalis</i> (J.F.Gmail.)D.V. Field & J.R.I Wood	<i>JPP</i>	2025	2278-4136	Peer Reviewed
30.	Physico-chemical characteristics of rhizosphere saline soil of <i>Fimbristylis dichotoma</i> (L). Vahl. from Baramati tehsil	<i>Eco. Env. And Cons</i>	2025	0971-765X	UGC Care
31.	Effect of various concentrations of sodium salt (Na ₂ SO ₄) on <i>Trianthema portulacastrum</i> L.	<i>International journal of Scientific Develop. and Research</i>	2025	ISSN: 2455-2631	UGC Care
32.	Physico-Chemical Characteristics of soil Supporting to the growth of Wheat jowar and Maize crop plants from Baramati Tehsil Dist. Pune, Maharashtra, India	<i>IOSR Journal of Agriculture and Veterinary Science</i>	2025	ISSN: 2319-2380	UGC Care
33.	Effect of Naturally Occurring Soil salinity on Chlorophyll content in <i>Amaranthus viridis</i> L	<i>Current Agriculture Research Journal</i>	2025	ISSN: 2347-4688	UGC Care

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)	1,80,000/-	2013	2013-2015	Completed

		Tahsil.				
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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>Amaranthus</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>Phaseolus</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'	Comparison of accumulation of organic and inorganic osmolyte in <i>Trianthema portulacastrum</i> L. growing in saline and non saline habitats	15-16/02/2014	National	S. C. S. (J) College, Puri, Odisha
8.	'Recent Trends in Physical Chemical and Biosciences'	Effect of Panchagavya 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 : 03 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
1	Ph.D. Guide	Savitribai Phule Pune University	September, 2019	00	08

b) Research Guidance : Awarded : 01

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 Awarded	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.

Working 07

Sr. No.	Name of Scholar	Name of University	Month and Year Registration	Title of the Research
1.	Ms. Prital Popatrao Pisal	Savitribai Phule Pune University	29/03/2022	Studies on physiology of <i>Trianthema portulacastrum</i> L. under saline conditions.
2.	Mr. Dattatray Balu Shinde	Savitribai Phule Pune University	29/03/2022	Physiological studies of <i>Fimbristylis dichotoma</i> (L.) Vahl. with reference to soil slinity.
3.	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.
4.	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.
5.	Mr. Tejas Sudhir Nevase	Savitribai Phule Pune University	14/07/2022	Physiological studies of <i>Amaranthus spinosus</i> L. under salt stress condition.
6.	Mr. Navnath Ranganath Nanavare	Savitribai Phule Pune University	14/07/2022	Physiological studies on <i>Chrozophora rotteri</i> from secondary saline soil.
7.	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 Rashtra 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=A5bJJZQxli0Xk9Tt
3.	Plant physiology : vernalization	UG	You tube	https://youtu.be/xHkTHMFw3IE?si=_HC3SdPVdBc5saXX
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/BQLUsDFD96U?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=dvQ0zcwlUj6MN6FK
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=Nj8vOPBQ30Owu7B
13.	Family solanaceae	UG	You tube	https://youtu.be/c2vLB5cqS8g?si=OGis86mqT73UREz9
14.	History of biotechnology	UG	You tube	https://youtu.be/xCqKnzXnsmc?si=bthhvoQTipUmrzmz
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	-
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