

RESUME

Full Name : Dr. Mangesh Sheshrao Kharate

Subject : Botany

Specialisation : Mycology

Category/Caste : OBC (Mali-182)

Address & Contact : Plot No.1, Gut No. 16, Harisingnagar, Near Gangagodavari

Details: Loans, Behind Kamal Nayan Bajaj Hospital, Beed by pass road,
Sataraparisar, Aurangabad-431010, (M.S.)

Mobile No.: 8208693103/9422451938

Email: mangesh.kharate121@gmail.com

Gender : Male

Date of Birth : : 23/09/1988

Achievements (In Research) : **Make a Medicine for Piles (accuracy 100% & 500 patient cure)**

:: Educational Qualification (Start from Ph. D. to SSC)

Name of Exam	Board/University	Passing Mon-Year	Stream/Subject	Obtained/ Total Marks	% or Grade Point
Ph. D.	Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	June-2018	Botany ("Studies on Phytochemical Analysis and Antimicrobial Activity of Plants Against Pathogenic Microorganisms")	--	--
M. Phil.	School of Life Sciences Department of Botany, Swami Ramanand Tirth Marathwada University, Nanded	May-2015	Auto ecological Studies-Seed and Seed Germination, Seedling Development and Phytochemical Analysis of Fruit Pulp and Seed of <i>Adansonia digitata</i> L. in Nanded district of Maharashtra	6.7/10	A
M. Sc.	Department of Botany, Government Institute of Science, Aurangabad	June- 2012	Botany	71.41%	A
B. Ed.	Dr. B. A. M. University, Aurangabad	June- 2010	Science and Mathematics	61.08%	A
B.Sc.	Prastishtan Mahavidyalaya, Paithan, A.bad	June- 2008	Chemistry, Botany, Zoology	66.33%	A
HSC	State Board, Aurangabad	June- 2005	Eng, Hin, Phy, Chem, Math, Bio	57%	B
SSC	State Board, Aurangabad	June- 2003	Eng, Hin, Sol Sci, Math, Sci, Geo	72%	A+



:: Work Experience

Name of Employer	Type of Service	Designation	Nature of Post	From-To	Pay scale	Approval date
Government Institute of Science, Aurangabad	Post Graduate	Lecturer	Temporary CHB	01-08-2012 to 01-08-2014	12000/-	01-08-2012
MSP Mandals-Vinayakrao Patil College, Vaijapur, A. Bad	Under Graduate	Assistant Professor	Full time (Fix Pay)	09-07-2018 to 31/03/2019	8000/-	09-07-18
	Under Graduate	Assistant Professor	Full time Granted CHB	04/07/2019 to till date	16000/-	Till date

:: Research Papers/ Conference Proceedings

Type of Journal	Title with Page No.	Journal Details	Publish ed year	Sole/ Co-Author	Peer Review/I mpact Factor
International	DIVERSITY, CONSERVATION STATUS OF WILD MEDICINAL PLANTS FROM AURANGABAD DISTICT	International Journal of Current Science (IJCS PUB) Volume 12, Issue 1 February 2022 ISSN: 2250-1770 Page no 22-27.	2022	Co-author	8.17
International	IDENTIFICATION AND MASS MULTIPLICATION OF MEDICINAL PLANTS BY USING LOCAL TRADITIONAL HEALERS FROM AURANGABAD DISTICT	International Journal of Current Science (IJCS PUB) Volume 12, Issue 1 February 2022 ISSN: 2250-1770 Page no 12-21.	2022	Co-author	8.17
International	Qualitative Phytochemical Estimation of Leafy Vegetables to compare organic and Inorganic Farming	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 9, September -2021.	2021	Co-author	7.429
International	Bioprospecting On Different Medicinal Plants Explored To Antimicrobial Activity And Phytochemical Constituents	Annals of R.S.C.B. ISSN: 1583-6258, Vol. 25, Issue 4, 2021, Pages. 17061-17071 Received 05 March 2021; Accepted 01 April 2021	2021	Co-author	0.90 H INDEX 7
International	Phytochemical Studies on Leaves of Syzygium cumini and Psidium guajava plants	International Journal of All Research Education and Scientific Methods ISSN: 2455-6211 Volume 9, Issue 8, August -2021	2021	Co-author	7.429
International	Studies on Primary	International Journal	2021	Co-author	7.429

	Phytochemical Analysis of Ziziphus jujube fruits	of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 8, August -2021			
International	Identification of Commonly Use Medicinal Plants by Indian Traditional Healers	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 7 July -2021	2021	Co-author	7.429
International	Studies on Body Mass Index and Traditional Healers Using Medicinal Plants from Vaijapur Tahshil, Aurangabad District	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 6, June -2021	2021	Co-author	7.429
International	Ayurveda with Yoga: Preventive Aspect for emerging infectious Disease the novel Coronavirus 19 Pandemic p.g. 135-140	Science, Technology and Innovation Empyreal Publication House in India, UAE, Nigeria, Uzbekistan, Montenegro in Book 650/-rs(\$18)	2021	Co-author	---
National	Phytochemical Profiling of crude Extract of some medicinal Plants found in Gangapur region, Distict Aurangabad Maharashtra	Quest journal of Research and Pharmaceutical Science p. g. 20-29	2020	Co-author	6.18
International	Preliminary Photochemical Screening and antimicrobial Assays of Crude Extract of Adhatoda vasica lin. From Gangaour taluka , Aurangabad district, Maharashtra State, India p.g. no. 889-900	International journal of Creative Research Thoughts(IJCRT)	2020	Co-author	7.97
International	Estimation of Dry Matter of Sugarcane (SaccharumOfficinarum Linn.) crop by Ecological Method in Loamy Soil at Aurangabad	International Journal of Applied Environmental Sciences	2019	Co-author	--
International	Phytochemical and Antimicrobial Properties of Medicinal Plant Crude Extract, <i>Woodfordia fruticosa</i> Linn. From Marathwada, Maharashtra State-pp. 380-387	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2018	Sole	6.887
International	Diversity and Distribution of Mollusca From Ratnagiri Coast (MS)	Trends in Fisheries Research	2018	Co-author	0.231

	India of Arabian Sea				
International	Quantitative Estimation of Phytochemical and Antimicrobial Properties of Crude Leaf Extract, <i>Mimusops elengi</i> L.-pp. 2699-2707	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2017	Sole	6.887
International	Effect of pre-sowing treatments on seed germination of <i>Adansonia digitata</i> L. in field condition-pp.	International Journal of Advanced Research in Biological Sciences	2015	Co-Author	3.33
International	Morphological variability of elite wild population of Baobab (<i>Adansonia digitata</i> L.) in Aurangabad and Nanded region of Maharashtra, India-pp. 29-34	International Journal of Current Research in Biosciences and Plant Biology	2015	Co-author	2.99
Research Library	Green synthesis of silver nano particles from <i>Artemisia pallens</i> , Wall.ex DC. and its cytotoxicity activity as an anti-mycobacterial agent	Journal of microbiology and Biotechnology Research	2014	Co-author	Google scholar citation :03

:: Paper Presented in Conference/Workshop/Symposium

Title of Paper	Type of Conf./ Workshop/Symposium	Details of Conf./Workshop/Symposium	Organiser Details	Proceedings Published?	Sole/ Co-author
"Antimicrobial and Phytochemical Analysis of <i>Adiantum</i> and <i>Nephrolepis</i> "	National	Recent trends in Botany	UGC and Dept. of Botany, PVP college, Patoda, Beed, 19 Sep. 2012	No	Sole Author
"Antimicrobial and Phytochemical Analysis of Some Medicinal Plants"	National	Current Scenario of Biodiversity in India	Dept. of Botany, Dr. B.A.M. University and Marathwada Botanical Society, 30th-31st Jan 2013	No	Sole Author
"Floristic diversity of Aurangabad Caves"	National	Recent Advances in Biotechnology or Sustainable Development of Agriculture	UGC and Dept. of Botany, Govt. college of Arts and Science, Aurangabad, 27th & 28th Dec. 2013	No	Sole Author
"Preliminary Phytochemical Screening of Some Medicinal Plants from Marathwada region of Maharashtra State"	National	National Symposium on Biodiversity & Climate Change	Indian Botanical Society and Dept. of Botany, KET's V. G. Vaze College, Mulund, Mumbai, 7th & 9th Nov. 2014	No	Sole Author
"Autoecological Studies & Bioactive molecules of <i>Adansonia digitata</i> L."	National	Bioactive molecules and their therapeutic values: Current	UGC-SAP and School of Life Sciences, SRTM University, Nanded, M.S., India, 13th & 14th	No	Sole Author

		Status	2016		
"Quantitative Estimation of Phytochemical & Antimicrobial Properties of <i>Mimusopselengi</i> L."	National	National Conference in Harmony with Nature in Context of Environmental Issues and Challenges	Department of Zoology, Kakatiya University, Warangal, India in association with National Environmentalists Association, Ranchi 21 st -23 rd Dec. 2017	No	Sole Author
"An Assessment of Antimicrobial Activity of Plant Derived Flavonoids From Leaf Extract, <i>Mimusopselengi</i> L."	National	National Conference on Present Scenario of Biodiversity and Conservation"	Department of Botany, S.D. college, soygaon in association with Dr. B. A. M. University, A.bad. 13 th – 14 th Oct. 2018	No	Sole Author
Phytochemical Evaluation and Chromatographic Fingerprint profile of Crude Extract of <i>Adansonia digitata</i> L. fruit Pulp	National	National Seminar on Recent trend in Life Sciences	PG Department of Zoology, V & M Poona college, pune 4 th to 5 th Jan 2019	No	Sole Author
"TLC Fingerprinting and Antimicrobial assays of Plant Derived Alkaloids From Crude Leaves Extract of <i>Adiantum</i> Spp.	National	National Conference on Innovation in Life Sciences for Sustainable Development"	Department of Botany, Dr. R.Z. College, A. bad. in association with Dr. B. A. M. University, A. bad. 20 th Jan. 2019	No	Sole Author
"Floristic diversity of Caves from Dr. Babasaheb Ambedkar Marathwada University Campus, Aurangabad"	National	National Conference on Innovative Research in Science and Technology	Department of Zoology, R. B. Attal Art's, Science and Commerce College, Georai, Beed 16 th Feb. 2019	No	Sole Author
"Diversity, Conservation Status of Wild Medicinal Plants From Aurangabad District"	National E-CON	One Day Multidisciplinary National E-Conference on recent trend in science & Technology	Department of Botany Department Botany & Internal Quality Assurance Cell Sant Ramdas Arts, Commerce and Science College, Ghansawangi, Jalna Sant Jalna In Collaboration with International Journal of Current Science (IJCSPUB) 25 th feb 2022.	Yes	Co-author
"Identification and Mass Multiplication of Medicinal Plants by Using Local Traditional Healers From Auranga-bad District"	National E-CON	One Day Multidisciplinary National E-Conference on recent trend in science & Technology	Department of Botany Department Botany & Internal Quality Assurance Cell Sant Ramdas Arts, Commerce and Science College, Ghansawangi, Jalna Sant Jalna	Yes	Co-author

			In Collaboration with International Journal of Current Science (IJCS PUB) 25 th feb 2022.		
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CATEGORY: Teaching, Learning & Evaluation Related Activities

:: Details of Lectures, Seminars, Tutorials, Practical's, Contact Hrs.

Course/Paper	UG/ PG Level	Teaching Mode	Hours per week allotted	% of classes taken
Semester-I				
Bot- IV Practical-Morphology of Angiosperms	UG	P	4	93.33
Semester-III				
Bot-X Plant ecology	UG	LS & T	3	90.00
Bot-XII Plant ecology	UG	P	4	93.33
Semester-V				
Bot-XVII Cell Biology & Molecular Biology	UG	LS & T	3	90.00

:: Detail of Patents (International/National)

Sr. No.	Patent Title	Name of Applicant(s)	Application No./Patent No.	Agency/Country	Status
01	Artificial Neural Network Based Detection of COVID-19 From Chest X-Ray Images	DS Kharate, VR Lakwal, BB Waykar, TB Namekar, MS Kharate, PS Kharate, VD Suryawanshi, SM Salunke, SB Namekar, AP Rajput, SS Gadhe and AB Namekar	202121013012	Government of India	Published
02	Investigation of Dynamic Protein System Based on Molecular Dynamics Simulation	VR Lakwal, AP Rajput, MS Kharate, TB Namekar, SM Salunke, PS Kharate, SS Gadhe, SB Namekar, and DS Kharate	202121012689	Government of India	Published
03	Detection of Archaeological Survey Sites Through Geospatial Images Using Machine Learning Algorithms	DS Kharate, MS Kharate, S Prabakaran, GA Ogunmola, BU Swadia, S Sharma and Pooja	Patent No.- 2021101464	Government of Australia	Published
04	Development of Smart Assistant System for Farmers Using Raspberry PI	P. Gandhi, DS Kharate, Pawankumar E., R. Ratchana, CH Sarada, S Kumar, A Bindal, MS Kharate, PS Kharate, Annaiah H, V Kumar, M. Thyagaraju, GV Kumar, M Balaraju and V Jain	202121001066	Government of India	Published
05	An Artificial Intelligence Based Voice	S Dharmadhikari, T Muthumanickam, KM Kumar, M Saritha, MS Kharate , CBV	202121019989	Government of India	Filled

	Commanding Glucose Monitoring and Determining System	Subbarayudu, EB Pukkunnen, T Jaiswal, S Jaiswal, PJ Paul			
06	A Novel Internet of Things Enabled Signal Quality Assessment System for ECG	DV Babu, SJ Badashah, Y Jhansi, MA Chaurasia, B Sridevi, MS Kharate, DS Kharate, PS Kharate, K Manohar, S Silas, BS Naick and DP Tumula	2021101656	Government of Australia	Filled

:: Books/Reports/Chapters/General articles etc.

Sr. No.	Title	Author's Name	Publisher	Year
01	Ayurveda With Yoga: Preventive Aspects For Emerging Infectious Diseases- The Novel Coronavirus 19 Pandemic	DS Kharate, TB. Namekar, PS Kharate, SS Gade, VR Lakwal, SB Namekar, SM Salunke, VD Suryawanshi, SA Shaikh and MSKharate	Science, Technology and Innovation, EMPYREAL PUBLISHING HOUSE, ISBN: 978-81-949278-5-3	2021
02	Preliminary Phytochemical Screening, Characterization of Plant Derived Terpenoids by IR Spectroscopy in Relation to Antimicrobial Assays	SM Salunke, TB Namekar, PS Kharate, CV Chavan, PA Dongare, MS Kharate, KB Temkar, VR Lakwal and DS Kharate	Agriculture and Forestry: Current Trends, Perspectives, Issues-IV ISBN-978-93-5437-486-9	2021
03	Assessment of Water Quality Parameters and Nutrients from Bhatye Creek, Ratnagiri, West Coast of India	DS Kharate, TB Namekar, PS Kharate, SS Gade, VR Lakwal, SM Salunke, VD Suryawanshi and MS Kharate	Agriculture and Forestry: Current Trends, Perspectives, Issues-III ISBN-978-93-5437-260-5	2021
04	An Assessment of Bactericidal Activity, Cytotoxic effect and Green Synthesis of Silver Nanoparticles from Fruit Coat of <i>Annona reticulata</i> Linn.	DS Kharate, TB Namekar, PS Kharate, RA Satpute, NB Pandhure, VR Lakwal, SM salunke, VD Suryawanshi, AD Adsare, SS Gade and MS Kharate	Proceedings of Virtual International Conference in Advancement in Nanotechnology (VICAN) Organised by AGAR and AIB, Tamilnadu	2020

:: Reading/ Instructional Material consulted/ additional knowledge resources provided to students:

Course/Paper	Consulted	Prescribed	Additional Resources Provided
Bot-X Plant ecology Bot-XII	Senior Professors	<ul style="list-style-type: none"> 38. Ambast. R.S. 1988.0 A Text Book of Plant Ecology Students Friends Co. Varanasi. 39. Botkin, D.B. and Keller, E.A. 2000. Environmental Plane (2nd edition). John Wiley & Sons Inc. New York. 40. Chapman. J.L. and Reiss. M.J. 1995. Ecology: 	Web resources

Practical-plant ecology		<p>Principles and Applications Cambridge University Press.</p> <ul style="list-style-type: none"> • 42. Dash M.C. 1993. Fundamentals of Ecology. Tata McGraw Hill Publishing Co. Ltd., New Delhi. • 56. Kumar.H.D. 1996. Modern Concepts of Ecology (3rd edition). Vikas Publishing House Pvt., Ltd. Delhi. • 57. Kumar.H.D. 1997. General Ecology. Vikas Publishing Pvt. Ltd., Delhi. • 58. Kermondy.F.J. 1996. Concepts of Ecology. Prentice Hall of India Pvt. Ltd., New Delhi. • 60. Odum.E.P. 1996. Fundamentals of Ecology. Natraj Publishing, Dehradun. • 62. Smith.L.R. 1996. Ecology and Field Biology (5th edition). Harper Collins College Publishers, USA. • 63. Smith L.R. and Mith T.M. 1998. Elements of Ecology. (4th edition). An imprint of Addison Wesley, Longman ink., California. • 65. Weaver. J.E. and Clements. S.E. 1966. Plant Ecology. Tata McGraw publishing Co. Ltd. Bombay. • 43. Gifford, E. M. and Foster, A. S. 1989. Morphology and Evolution of Vascular Plants W.H. Freeman & Co., New York. 	
Bot-XVII Cell Biology & Molecular Biology	Senior Professors	<ul style="list-style-type: none"> • 43. Buchanan. B.B. Grussem. W. and Jones. R.L. 2000. Biochemistry and Molecular Biology of Plants. American Society of Plant Physiologists, Maryland, USA. • 45. Lea. P.J. and Leegood, R.C. 1999. Plant Biochemistry and Molecular Biology (2nd Edition). John Wiley and Sons, Chichester, England. • 46. Lodish. H. Berk, A. Zipursky. S.L. Matsudaira. P. Baltimore. D. and Darnel. J. 2000. Molecular Cell Biology (4th Edition) W.H. Freeman and Co. New York USA. • 49. Vasil, I.K. and Thorpe, T.A. 1994. Plant Cell and Tissue Culture Kluwer Academic Publishers, The Netherlands. • 52. Ninfa.A.J. and Ballou.D.P. 1998. Fundamental Laboratory Approaches for Biochemistry and Biotechnology. Fitzgerald Science Press. Inc., Maryland USA. • 87. Alberts B., Bray D., Lewis, J., Raff, M. Roberts, K. and Watson, J.D. 1999. Molecular Biology of Cell. Garland Publishing Co., Inc., New York USA. • 91. Dryer.R.L. and Lata G.F. 1989. Experimental Biochemistry. Oxford University Press, New York. • 92. Glick B.R. and Tompson, J.E, 1993. Methods in Plant Molecular Biology and Biotechnology. CRC Press, Boca Raton, Florida. 	Web resources
Bot-IV Practical-morphology of angiosperms	Senior Professors	<ul style="list-style-type: none"> • 15. Sporne, K.R 1977. The Morphology of Angiosperms. B.I. Publication, Bombay. • 16. Bhojwani, S.S. and Bhatnagar, S.P. 2000. The Embryology of Angiosperms 4th revised and enlarged edition. Vikas Publishing House, Delhi. • 17. Johri, B.M. 1984. Embryology of Angiosperms. Springer-Verlag Berlin. • 18. Raghvan, V. 1997. Molecular Embryology of Flowering Plants. Cambridge University Press N. Y. • 22. Bridge. P. et. al. 1999. Application of PCR in Mycology CAB International, UK. • 26. Davis, P.H. and Haywood, V.H. 1963. Principles of Angiosperm Taxonomy. Oliver and Royd, London. 	Web resources

		<ul style="list-style-type: none"> • 27. Heywood, V.H. and Moore D.M. 1984. Current Concepts in Plant Taxonomy. Academic Press, London. • 28. Jones, S.B. Jr. and Luchsinger, A.E. 1986. Plant Systematics (2nd edition). McGraw-Hill Book Co., New York. • 29. Lawrance. G.H.M. 1951. Taxonomy of Vascular Plants. MacMillan, New York. • 30. Naik, V.N. 1984. Taxonomy of Angiosperms. Tata McGraw Hill, New York. 34. Jeffrey, C. 1982. An Introduction to Plant Taxonomy. Cambridge University Press, Cambridge London. 	
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:: Use of Participatory & Innovative Teaching-Learning methodologies, updating of subject content, course improvement etc.

Use Of Teaching Methodology Involving Student Participation Help Student To Convert Their Knowledge In To Wisdom.

:: Examination Duties Assigned and Performed (invigilation; question paper setting, evaluation/ assessment of answer scripts) as per allotment:

Type of Examination Duties	Duties Assigned	Extent to which carried out (%)
Under Graduate theory examination	Chief Superintendent	100
Departmental practical examination	Evaluation of Answer book	100
Theory and Practical Examination	Invigilation of Examination	100

CATEGORY: Co-Curricular, Extension & Professional Development Related Activities	
1. Student related co-curricular, extension & field based activities (such as extension work through NSS/NCC & other channels, cultural activities, subject related events, advisement & counseling)	FIELD STUDIES/TRIP TO BOTANICAL GARDENS B.SC. STUDENTS
2. Contribution to Corporate life & management of the department & institution through participation in academic & administrative committees & responsibilities	PARTICIPATION IN CENTRAL YOUTH FESTIVAL, 2007-2008; WORKSHOP ON NEW WRITERS, YCM OPEN UNIVERSITY, NASHIK, FEB- 2010; NATIONAL ACCORDANCE CAMP, DEC-2011; BIOLOGICAL VOCABULARY IN MARATHI LANGUAGE, JUN-2012
3. Professional Development Activities (such as participation in seminars, conferences, short term, training courses, talks, lectures, membership of associations, dissemination & general articles, not covered above)	PARTICIPATION IN CONFERENCES, TRAINING COURSES, ORIENTATION TRAINING PROGRAMME OF FUNDAMENTAL ELEMENTS OF RESEARCH, GOVT. COLLEGE OF EDUCATION, 21ST TO 26TH OCT. 2013
Training Courses, Teaching, Learning Evaluation Technology Programmes, Faculty Development Programmes (Not less than one week duration)	WORKSHOP ON "PCR AND BLOTTING TECHNIQUES", GOVT. INSTITUTE OF SCIENCES, AURANGABAD, FEB-2015; WORKSHOP ON SET/NET EXAMINATION, SRTM UNIVERSITY, NANDED, NOV-2014; NATIONAL WORKSHOP ON : MAINTENANCE AND OPERATION OF LABORATORY INSTRUMENTS", SRTM UNIVERSITY, NANDED, NOV-2014

Particulars of current research work at personal level	WORKING ON BIOACTIVE SUBSTANCES FROM TRADITIONAL MEDICINAL PLANTS(WILD); WORKING ON PLANT DIVERSITY, ECOLOGY AND PHYLOGENY; WORKING ON PLANT BIOTECH, TISSUE CULTURE FIELD
Any other information you wish to specify	I'm expert in the subject knowledge as follows..... 1. Cell Biology 2. Molecular Biology 3. Plant Physiology 4. Plant Development Biology
Signature:	
Date: 15/05/2022	