



Dr. Mukundraj Baburao Patil

Associate Professor in Botany

CONTACT

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- "Rajgad", 81, Shirkalas, Post-Tadkalas, Ta- Purna, Dist-Parbhani.

LANGUAGES

- Marathi
- Hindi
- English

DATE OF BIRTH

- 18th June 1982

EDUCATION

- M.Sc. (Botany) B. ed. Ph.

DATE OF APPOINTMENT

- 02/09/2011

DESIGNATION & RESPONSIBILITIES

- Associate Professor
- Head of the Department
- IQAC Co-ordinator
- Member- College Development

PROFILE SUMMARY

I am willing to work for extension of higher education and research with the experience and capabilities I have.

EDUCATION

CLASS	YEAR OF PASSING	BOARD/UNIVERSITY	%	DIVISION
S.S.C.	1997	Div. Board Latur	72.53%	first
H.S.C.	1999	Div. Board Latur	68.83%	first
B.Sc.	2002	S.R.T.M.U. Nanded	65.31%	first with distinction
B.ed.	2004	S.R.T.M.U. Nanded	67.75%	first with distinction
M.Sc.	2005	S.R.T.M.U. Nanded	69.55%	first
Ph.D.	Sept. 2010	S.R.T.M.U. Nanded		

FACULTY DEVELOPMENT PROGRAMMES

- Orientation Course - Completed at ASC, PUP
- Refresher Course - Completed at HRDC-DAVV, Indore
- Refresher course in Life sciences - Completed at HRDC-DAVV, Indore
- Completed following online MOOC's

Course	Mode	Duration	Platform
ARPIT	Online	10 Dec 18 to 28 Feb 2019	SWAYAM
(MOOC) E-Content Development	Online	28 Oct 2018 to 24 Dec 2018	SWAYAM- NPTEL
(MOOC) Genetic Engineering	Online	29 Jul 2019 to 18 Oct 2019	SWAYAM - NPTEL
(MOOC) Plant Developmental Biology	Online	26 Aug 19 to 20 Sep 2020	SWAYAM- NPTEL
Biochemistry	Online	27 Dec 2020 to 03 Feb 2020	SWAYAM-NPTEL

PROFESSIONAL EXPERIENCE

Three years teaching experience at PG level and Nine years (Three years CHB + Thirteen years Fulltime) teaching experience at UG level.

Sr. No.	Position	Institution	Duration
1.	Assistant professor at P.G. level (CHB)	Shri Shivaji College, Parbhani	2005-06; 2006-07; 2007-08
2.	Assistant professor at U.G. level (CHB)	L.R.W. ACS college, Sonpeth	2008-09; 2009-10; 2010-11
3.	Assistant professor at U.G. level	L.R.W. ACS college, Sonpeth	Since 20/09/2023 to 06/09/2023.
3.	Associate professor at U.G. level	L.R.W. ACS college, Sonpeth	Since 07/09/2023 till today.

RESEARCH ACTIVITIES

PH.D. WORK COMPLETED-

- Topic - Study of Aeromycoflora of Parbhani.
- Guide - Dr. (Mrs.) S. G. Pillai
- Date of award - 27th September 2010.

PH.D. SUPERVISION -

Swami Ramanand Teerth Marathwada University Nanded recognized as 'Research Supervisor' since **September-2016**.

Presently Three students are working under my guidance and One student Awarded with Ph.D. Degree

Sr. No.	Name of the Student	Research Topic	Date of Registration	Date of Award of Ph.D. Degree
1.	Rohini Uttamrao Bhagyawant	Effect of Electricity on the seed germination, growth parameters and yield parameters of certain crop plants.	11/05/2017	13/08/2022
2.	Shailaja Bhagwanrao Bhosale	Comparative study of Organic farming and Conventional farming with reference to Wheat (HD-2189) and Groundnut (TAG-24)	14/07/2021	
3	Prakash Bhandarge	Allocated		
4	Kalpana Kharat	Allocated		

P.G. Teacher -

Swami Ramanand Teerth Marathwada University Nanded recognized as Post graduate Teacher in Botany under faculty of Science since **September-2016**.

MINOR RESEARCH PROJECT

Sr. No.	Project Title	Funding agency	ongoing/Completed
1.	Influence of growth hormones (IAA and GA) on morphology, yield parameters and oil content of certain oil yielding plants	UGC	Completed

RESEARCH PUBLICATIONS

RESEARCH PAPERS PUBLISHED IN JOURNALS-

Thirty-Three Research Papers Published in referred and indexed journals of National and International status.

1. Shanta G. Pillai and **Mukundraj B. Patil**, (2007). Mycotoxigenic fungi in Bakery. Bioinfolet. 4(1): 71-72.
2. Shanta G. Pillai and **Mukundraj B. Patil**, (2007) Effect of threshing on air-pollution of indoor environment. Indian J. Aerobiol. 20(I & II): 63-65.
3. Shanta G. Pillai, S. A. Kamble and **Mukundraj B. Patil**, (2009) Biodeterioration of paper material. Bionano Frontier. 2(1): 118-119.
4. **Mukundraj B. Patil**, and Shanta G. Pillai (2009) Airborne bioparticles in the Industrial area. Bionano Frontier. Science day special issue: 85-86.
5. **Mukundraj B. Patil**, S. A. Kamble and Somwanshi B. W., (2009). Physiological response of Groundnut (*Arachis hypogea* L.) to the application of fertilizers. Bionano Frontier. Science day special issue: 103-104.
6. **Mukundraj B. Patil**, and Shanta G. Pillai, (2009). Effect of Pink and Black mold on physical and nutritional properties of *Sorghum* grains. BIOZONE International J. life sciences, 1(2): 179-182.
7. **Mukundraj B. Patil** and Shanta G. Pillai, (2010). Epidemiology of Tikka disease of groundnut. Int. J. of plant sci. 5(2): 436-438.
8. **Mukundraj B. Patil** and Shanta G. Pillai, (2010). Incidence of bio-particles inside a warehouse. Bioinfolet. 7(2): 149-150.
9. **Mukundraj B. Patil** (2011). Effect of *Azospirillum* on fibre quality and yield of irrigated cotton. Asian journal of Bio-Science. 6(2): 188-190.
10. **Mukundraj B. Patil** and Shanta G. Pillai, (2011). Epidemiology of rust disease of groundnut. BIOZONE International J. life sciences. 2(1&2): 223-226.
11. **Mukundraj B. Patil** and Shanta G. Pillai, (2011). Aerobiological studies inside the warehouse. Bionano Frontier. 4(1): 142-144.
12. Kadam K.S. and **M. B. Patil**(2011) Biological control of fruit rots of grapes caused by Aureofungin resistant *Alternariatenius*. Bioinfo Aquatic ecosystem. 1(1): 01-03.
13. Kadam K.S. and **M. B. Patil** (2011) Studies on sensitivity of *Alternariaalternata* isolates against Aureofungin. Bioinfo Aquatic ecosystem. 1(1): 16-18.

14. **Mukundraj B. Patil** and S.M. Kadam (2011) Effect of *Azospirillum* on biometric characteristics of irrigated cotton. DSCI 06: 387-389.
15. Shanta G. Pillai and **Mukundraj B. Patil** (2012) Qualitative analysis of air-borne pollen of rural area around Parbhani. Multilogic in science. 2(2):22-24
16. S.G. Pillai and **Mukundraj B. Patil** (2013) Study of air-spora inside the poultry shed. Bioinfolet. 9(4A):480-81.
17. **Mukundraj B. Patil** and Ragole V.D. (2016) Effect of Soyabean cultivation on soil macronutrients. Multilogic in Science. 6(17): 219-220.
18. **Mukundraj B. Patil and Shailaja B. Bhosale, 2017.** Effect of GA₃ on germination of certain oilseeds. *Bioscience Discovery*.8(3):483-485.
19. **Mukundraj B. Patil (2017)** Influence Of Growth Hormones (IAA And GA₃) On Morphological And Yield Parameters Of Sunflower (*Helianthus anus* L.). Multilogic in Science.7(25):175-176(b).
20. **Mukundraj B. Patil (2018)** Effect of Foliar Application of Growth Hormones (IAA And GA₃) on Oil Percentage of Certain Oil Seed Crops. IJSRR 2018, 7(2), 689-694.
21. **Mukundraj B. Patil** and V.S. Rathod (2018) Insecticidal properties of plant oils against *Sitophilusoryzae*. Multilogic in Science.8(26): 121-122.
22. **Mukundraj B. Patil** (2018) Effect of Electroculture on seed germination and growth of *Raphanus sativus* (L). Afr. J. Plant Sci, Vol. 12(12), pp. 350-353
23. **Mukundraj B. Patil** (2019) Response of groundnut (*Arachis hypogea* L) to the exogenous application of growth hormones (IAA and GA₃). Journal of Bioscience and Agriculture Research. 22(01), 1829-1834.
24. **Mukundraj B. Patil** and Chatage V. S. (2019) Response of Soyabean (*Glycine max*) to exogenous application of growth hormones. Bioinfolet. 16(03), 154-155.
25. Chatage V. S. and **Mukundraj B. Patil** (2019) Market storage diseases of some important fruits of Latur district (MS) India. International Journal of Recent Scientific Research. 10(10), 542-543.
26. Rohini U. Bhagyawant and **Mukundraj B. Patil**, (2021). Effect of Electroculture on seed germination of certain crop plants. Bioscience Discovery. 12(2):69-72.
27. Rohini U. Bhagyawant and **Mukundraj B. Patil**, (2021). Effect of Electroculture an *Arachis hypogaea* (L). Int.J.Curr.Res.Aca.Rev. 9(06): 1-5.
28. Shradha Bhosle and **Mukundraj B. Patil**, (2023). Germination of Tomato (*Lycopersicon esculentum* CV. Vaishali) Seeds following different pre-treatments. Multilogic in Science. XII (XXXXV): 417-418.
29. Avinash S. Agale, **Mukundraj B. Patil**, Balu G. Meshram and Avinash B. Ade (2023). Consolidated Survey of Cotton Growers from Parbhani District. Multilogic in Science. XII (Special Issue Feb. 2023): 152-155.
30. S. D. Bhosle, **M. B. Patil**, R. D. Tak (2023) *Spodoptera frugiperda* (FALLAEMYWORM) MANAGEMENT BY VARIOUS NON-HOST PLANTS (BIOLOGICAL CONTROL): A REVIEW. Multilogic in Science. XII (Special Issue Feb. 2023): 169-171
31. **Mukundraj B. Patil** and Rohini U. Bhagyawant (2023) (2023). Effect of Electric Current on Wheat (*Triticum aestivum* L.). Advances in Zoology and Botany, 11(3), 220 - 225. DOI: 10.13189/azb.2023.110308

32. Shailaja Bhagwanrao Bhosale and **Mukundraj B. Patil** (2024) Revolutionizing Agriculture: The Growth of Organic Farming in India. JCHR (2024) 14(2), 1950-1961.

33. Shailaja Bhagwanrao Bhosale and **Mukundraj B. Patil** (2024) Assessment Of Organic And Conventional Treatments On Growth And Yield Parameters Of Groundnut (Variety TAG-24) Afr. J. Biomed. Res. Vol. 27(3s) (October); 2960- 2965.

CHAPTER IN EDITED BOOK-

- i. Environmental Impact of Amazon Forest Fires (2020) Environmental Challenges today: Global Perspective (9781648697302): 125-128.
 - ii. Biomedical waste management in India (2021) Environmental Problems- Causes and Solutions (9781639043583): 175-181.
 - iii. Phyto remediation of Contaminated Waterbodies. (2022) Frontiers in Biological sciences. (9798886296082): 520-527.
 - iv. Effect of Electroculture on Plants. (2023) Advances in Life-Sciences and Human Welfare (979-88-900209-0-1): 82-92.
 - v. Status of Organic Farming. (2023) Advances in Life-Sciences and Human Welfare (979-88-900209-0-1): 114-120.
 - vi. NEP-2020: Opportunities and Challenges in Higher Education (2024) National Education Policy 2020 (979-88-927747-1-0): 77-83.
- **Conference Proceeding:** Mukundraj B. Patil and Shanta G. Pillai, (2013). Aeromycological study inside the bakery. Proceeding of the National conference 'Recent Trends in Plant Science for Rural development':

BOOKS PUBLISHED-

Sr. No.	Title of the Book	Date of Publication	Publication	ISBN
1.	Text Book of Botany	November-2012	Newman Publication, Parbhani	978-81-922966-9-2
2.	Text Book of Microbes and Cryptogams	21- Sept. 2016	ArunaPrakashanLatur	978-93-5240-071-3
3.	Plant Histology, Plant Anatomy and Embryology of Angiosperms.	21- Sept. 2016	ArunaPrakashanLatur	978-93-5240-075-1
4.	Plant Pathology.	December 2021	EvincPub Publication	978-93-5446-236-8

BOOKS EDITED-

Sr. No.	Title of the Book	Date of Publication	Publication	ISBN
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1.	Paryavarniy Samasya	20/04/ 2020	Newman Publication, Parbhani	978-81-944856-9-8
2.	Environmental Challenges today: Global Perspective	08/04/2020	Notion Press Chennai	978-16-486973-0-2
3.	New Trends in Life sciences	26-02-2021	Notion Press Chennai	978-16-383291-3-8
4.	COVID-19 Pandemic and INDIA	29/03/2021	Notion Press Chennai	978-16-387344-1-3
5	Advances in Life-Sciences and Human Welfare	25/02/2023	Notion Press Chennai	979-88-900209-0-1
6.	Futuristic Trends in Biotechnology	May-2024	IIP (Iterative International Publishers)	978-93-6252-322-8

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED

Sr. No	Title	Level	Dates	Organized by
1.	Plants: Biology to Biotechnology	National	23 rd and 24 th February 2008	Dept. of Botany, Yeshwant college, Nanded
2.	Changing role of Plant sciences in Biotechnology and Bioprospecting	National	20 th and 21 st September 2008	Dept. of Botany, NES Science College, Nanded
3.	Plant Biology and Biotechnology	National	21 st and 22 nd November 2009	Dept. of Botany, Lal Bahadur Shastri Mahavidyalaya, Dharmabad.
4.	Frontiers in Plant Disease: Diagnosis and Management	National	3 rd and 4 th January 2010	Dept. of Botany, Maharashtra Mahavidyalaya, Nilanga
5.	International year of Biodiversity 2010: A review on Indian biodiversity and it's conservation	National	16 th and 17 th December 2011	Dept. of Zoology and fisheries, Shri Shivaji College, Parbhani
6.	New syllabi in Botany B.Sc. III. Year (Semester Pattern)	Workshop	10 September 2011	Dept. of Botany Mahatma Gandhi College, Ahmedpur
7.	Revised curriculum in UG Botany	Workshop	29 August 2013	Dept. of Botany, NES Science College, Nanded
8.	B.Sc. S.Y. Revised curriculum in Botany	Workshop	20 August 2014	Dept. of Botany, Shri san t Gadge maharaj college, Loha
9.	Revised curriculum in UG and PG Botany	Workshop	28 August 2015	Shri Shivaji college of Arts, Commerce and Science, Kandhar Dist. Nanded.

10.	Workshop on Choice Based Credit System	Workshop	27th June 2016	Shri Shivaji college, Parbhani
11.	Workshop on Choice Based Credit System	Workshop	23rd August 2016	School of Comp. science SRTMU, Nanded
12.	6 th International Science Congress	Conference	8 and 9 December 2016	Hutatma Rajguru Mahavidyalaya Rajgurunagar, Pune
13.	Workshop on Plant Nomenclature	Workshop	28 Feb. 2017	Dept. of Botany, Dr. B.A.M.U. Aurangabad
14.	One Day National Seminar on Revised Accreditation Framework	Seminar	01 September 2017	Shri Shivaji college, Parbhani
15.	International conference on Advances in Disease management for Human Welfare	Conference	21 to 23rd Nov. 2017	Gulberga University, Kalaburgi.
16.	Two-days National Seminar on ITC based NAAC framework: Opportunities and Challenges	Seminar	5-6th February 2018	Late Sow. Kamaltai Jamkar College, Parbhani.
17.	Workshop on Teaching Learning Skills in Plant Physiology and Biochemistry	Workshop	3-4 March 2018	Dept. of Botany, SPPU, Pune
18.	NPTEL workshop	Workshop	25th Jan. 2019	IIT, Madras
19.	Workshop on Revised NAAC methodology for the Principals /IQAC co-ordinators of affiliated colleges.	Workshop	5-7th February 2019	RUSA MS and SRTMU, Nanded
20.	Workshop on Scope of New syllabi at first year B.Sc. and M.Sc. Botany	Workshop	19th July 2019	SGBM, Purna
21.	One Day National Seminar on Academic and Administrative audit	Seminar	30th September 2019	Shri Shivaji college, Parbhani

PAPERS PRESENTED IN THE CONFERENCES / SEMINARS / WORKSHOPS –

Sr. No	Title	Level	Dates	Organized by	Title of the paper presented
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1.	Modern trends in Plant Sciences	National	6 th and 7 th October 2007	Dept. of Botany, Dr. B.A.M.U. Aurangabad	Air-borne biocomponents in the air of industrial area at Parbhani
2.	Fifty years of Botany in Marathwada	State	6 th and 7 th October 2007	Dept. of Botany, Shri Shivaji College, Parbhani	Effect of environmental factors on spore count of air
3.	Recent trends in Plant Sciences for Rural Development	National	20 th and 21 st February 2010	Dept. of Botany, Nagnath ACS College, Aundha Nagnath	Effect of Pink and black mold on physical properties of <i>Sorghum</i>
4.	Parasite fate into living system	National	24 th and 25 th Aug. 2012	Dept. of Zoology Mahatma Gandhi College, Ahmedpur	Zooplankton and phytoplankton diversity of Godavari river At. Dhalegaon dam Dist. Parbhani.
5.	Recent Trends and Future Prospects in Life Sciences	National	27 th and 28 th Dec. 2012	Dept. of Botany Mahatma Gandhi College, Ahmedpur	Aerobiological Investigation in the Cotton Field at Parbhani
6.	Recent Trends in Plant Science for Rural development	National	7 th and 8 th Aug. 2013	Dept. of Botany Mahatma Basweshwar Mahavidyalaya Latur.	Aeromycological study inside the bakery.
7.	Advanced Studied in Life Sciences and Medicinal Plants	National	19 th and 20 th December 2014	Dept. of Botany Nagnath Arts, Commerce and Science college, Aundha Nagnath.	Effect of electricity on the germination of <i>Raphanus sativus</i> (L) Seeds.
8.	18 th National Conference of Indian Aerobiological Society	National		Tumkuru University Tumkuru Karnataka	Aeromycological investigations inside the animal shed
9.	Recent trends in Plant sciences.	National	1 and 2 March 2017	Department of Botany, Dr. B.A.M.U. Aurangabad	Study of Aerospora inside the cattle-shed
10.	Plants, environment and Sustainable Agriculture	National	11 March 2024	Late Babasaheb Deshmukh Arts, Commerce and Science College, Umri, Dist. Nanded (MS)	Emerging Trends in Agriculture

CONFERENCES/SEMINAR/WORKSHOP ORGANIZED –

Sr. No.	Theme of the conference/seminar/workshop	Level	Funding agency	Dates
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1	Recent Amendments in UGC Norms for API under CAS	State	College	29/09/2017
2	बौद्धिक सम्पदा अधिकार:ओळख,प्रक्रिया आणि संधी	State	College	18/04/2018
3	Problem and Challenges before working women	State	SWC	30/11/2018
4	One day National level workshop on – Use of Artificial Intelligence in Higher Education in India	National	College	14/12/2019
5	Environmental Degradation: Causes, Effects and Remedies	National	ICSSR	22/02/2020
6	Two Days interdisciplinary International Virtual conference on – Life, Culture and Education Today	International	College	05 & 06 June 2020
7	बौद्धिक सम्पदा अधिकाराची ओळख,प्रकार व प्रक्रिया	State	College	29/12/2020
8	National Education Policy-2020	State	College	25/01/2023
9	Advances in Life Sciences and Human Welfare	National	SRTMUN	24-25 Feb 2023

INVITED TALKS/RESOURCE PERSON –

Sr. No	Title of Presentation in Academic Session	Title of Conference / Seminar	Mode of Presentation: Invited lectures / Resource Person	Name of Organizer	Level
1.	CBCS Pattern	Workshop on Choice Based Credit System	Resource Person	IQAC, LRWC, Sonpeth	College
2.	Academic Performance Indicator	Workshop on UGC 4 th Amendment	Resource Person	IQAC, LRWC, Sonpeth	College
3.	Bio-Physico Chemical Phenomenon	CWNSSDP-2020	Invited lecture	NSB college, Nanded	National
4.	New CAS Policies in Seventh Pay Commission	New CAS Policies in Seventh Pay Commission	Invited lecture	SPPM, Sirsala	College

MEMBER/EDITOR/REVIEWER

- Life member of **Indian Aerobiological Society (IAS)**
- Life member of **International Society of Science and Technology (ISST)**
- Life member of **Hind Agri-horticultural Society**

- Member of editorial board of the book **Indian Agriculture and globalization.**
- Life Member of the journal **Flora and Fauna**
- Life member of **Indian Science congress**
- **Member of Editorial Board** of the journal Deccan Current Science. (National)
- **Associate Editor:** Chronicle of Humanities and Cultural Studies- **Special Issue (Dec.2018)**
- **Member of Advisory/Editorial board** of Asian journal of Bio Science. (International)
- Member of **Peer- Review committee** of the journal **Multilogics in Science**
- **Reviewer** – Academic Journals
- **Reviewer** –International Journal of Basic and Applied Sciences

FELLOWSHIPS/AWARDS

- **Fellow** of Hind Agri-horticultural Society, Muzzafar nagar, UP (India). (FHAS)
- **Fellow** of International Institute of organized Research (FI2OR)
- **Fellow** of Global Institute for Education and Research (FGIER)
- **Best paper award** in-National conference on “Recent trends in Plant Sciences for Rural Development” organized by Dept. of Botany, Nagnath Arts, Commerce and Science College, Aundha Nagnath on 20th and 21st February 2010.
- '**Best Teacher Award-2017**' by LRW college, Sonpeth.
- '**Guru-Gaurav**' –Award
- **Shikshak Ratn -2019 Awad** – ICTC consultancy Services
- **Research Excellence Award 2021** – by Institute of Scholars (InSc)
- **Academic Excellence Award -2024** – by I2OR

OTHER ACTIVITIES

- **Radio Talks-**
Twelve talks in NISARGAYAN program on AIR- Parbhani Akashwani has been broadcasted.
Radio Talk given on Azolla Cultivation
Radio Talk on 'Poison free Farming'
- **News Paper Articles-**
Number of articles are witten in News papers in the intrest of society

INSTITUTIONAL RESPONSIBILITIES

- Member of **Local Management Council** (LMC) now called as **College Development Committee** (CDC).
- Co-ordinator Internal Quality Assurance Cell (IQAC)
- **SPOC- NPTEL**
- **SPOC- SWAYAM**

SOCIAL CONTRIBUTION

- **President-** Raje Sambhaji Sarvajanic Vachanalaya Shirkalas, Ta. Purna, Dist. Parbhani.
- **President** - 'AADHAR'- Bahuddeshiya Sevabhavi Sanstha, Sonpeth.
- Adopted economically backward Students to support financially to complete their education.
- Donated educational aids to the economically backward students from ZP School.
- Financial Assistance for digitalization of ZP School Sumthana Ta. Udgir Dist. Latur.

I declare all the information given above is true.

Date:

Place:

DR. MUKUNDRAJ B. PATIL