

DEPARTMENT OF BOTANY

Programme Run by the Department of Botany: **B.Sc. Botany**

Established in: **1998**

Faculty of the Department of Botany:



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PROGRAMMES AND COURSES OF THE DEPARTMENT

Courses for B.Sc. Botany at General Level :

Class	Semester	Course Code	Course/ Paper	Title of the Paper	Credit
FYBSc	Sem I	1152211401	BOT-101	Diversity of Lower Cryptogams	2
		1152211402	BOT-102	Morphology of Angiosperms	2
		1152211403	BOT-103	Practical (Based on Bot.101 and Bot.102)	2
	Sem II	1252211401	BOT-201	Diversity of Higher Cryptogams	2
		1252211402	BOT-202	Taxonomy of Angiosperms	2
		1252211403	BOT-203	Practical (Based on Bot-201 and Bot-202)	2
SYBSc	Sem I	831401	BOT- 301	Plant Anatomy	2
		831402	BOT- 302	Plant Physiology	2
		831403	BOT- 303	Practical (Based on BOT-301 and BOT- 302)	2
		831404	BOT- 304 (Skill Enhancement Course) SEC	Mushroom Culture Technology	2
	Sem II	841401	BOT- 401	Plant Metabolism	2
		841402	BOT- 402	Plant Embryology	2
		841403	BOT- 403	Practical (Based on BOT-401 and BOT - 402)	2
		841404	BOT- 404 (Skill Enhancement Course) SEC	Nursery and Gardening	2

ACTIVITIES OF THE DEPARTMENT OF ENGLISH

1. Bouquet Making Training Programme:

The Department of Botany runs a programme ‘**Bouquet Making Training Programme**’ free of cost. One Month in each year students given a training to make unique bouquet from college surrounding flowers and plants materials. This activity is helpful to rural students to startup their own skill based small scale business as cheap and easy earning source for future.

2. Plantation by seed bombing:

The Department of Botany runs a activity ‘**Plantation by using seed bomb**’ free of cost. In July month in each year students given a training to make seed bomb from college surrounding seeds and sand. This activity keep environmental balance healthy with green and pollution free.

3. Poster presentation/ Science quiz/ Scientific model presentation

Competitions through Science forum and Science Day:

The Department of Botany organizes a Poster presentation/ Science quiz/ scientific model presentation Competitions through Science forum on the occasion of Science Day i.e. 28th of Feb every year.

PUBLICATIONS BY THE FACULTY

List of Book Publication

NO.	Title of the Book	Name of the Publisher	Publications	Year.	ISSN/ ISBN No.	Level	Principal Author/Co-author
01	Biocontrol of fungal Diseases	LBP publisher	Laxmi publication	2016	ISBN 978-1-329-54621-9	International	Principal Author
02	Plant Embryology	Nirnali	Nirnali Publication	2019	ISBN 978-93-89825-91-1	University	Co-author

Paper Published

Sr. No	Title of Research Paper	Name of Journal	Name of Publication/Country	ISSN/ISBN No.	National/International	Year	Volume with page no.	Impact Factor, if any
1	Chemical composition and antimicrobial activity of higher angiospermic plants.	<i>Middle East Journal of Scientific Research</i>	IDOSI publication, Egypt	ISSN No. 1990-9233	International	2010	6(1) : 56-61	1.15
2	Biological control of leafy vegetable diseases through antagonistic fungi	<i>Journal of Ecobiotechnology</i>	Malaysia	ISSN No. 2077-0464	International	2011	3 (6) : 21-25	1.36
3	Mycosis control of leafy vegetables by chemotherapy	<i>Journal of Ecobiotechnology</i>	Malaysia	ISSN No. 2077-0464	International	2011	3 (6) : 26-29	1.36
4	Antimicrobial activity of essential oils isolated from plants	<i>Chiang Mai University Journal of Natural Science</i>	Thailand	ISSN No. 16851994	International	2011	10 (1) : 159-164.	0.51
5	Fungicidal efficacy on mycosis control of five leafy vegetable diseases	<i>Indian Journal of Scientific Research</i>	Global academic society, India	ISSN No. 2250-0138	National	2011	2(3): 52-57	1.40
6	Antifungal activity and chemical profile of five medicinal plants	<i>Annals of Pharmacy and Pharmaceutical Sciences</i>	Hind Agri-Horticultural society	ISSN No. 2230-9438	International	2011	2(1&2): 5-10	0.90
7	Antimycotic activity of six medicinal plants	<i>Indian Stream Research Journal</i>	Solapur, India	ISSN No. 2230-7850	International	2013	3 (2): 48-52	3.52
8	A leaf blight caused by <i>Ascochyta pinoides</i> (Berk and Blox) stone on <i>Gossypium herbacium</i> L. in Maharashtra state of India	<i>International Journal Advance in Pharmacy and Bioallied Sciences</i>	Mumbai, India	ISSN No. 2348-2109	International	2013	1 (1) : 41	1.4

9	Efficacy of methyl benzimidazole-2-yl carbamate against pathogenic fungi of leafy vegetables	<i>International Journal Advance in Pharmacy Medicine and Bioallied Sciences</i>	Mumbai, India	ISSN No. 2348-2109	International	2014	2 (1)	1.4
10	Efficacy of Magnases ethyl bisdithio-carbamate against pathogenic fungi of leafy vegetables	<i>Golden Research Thoughts</i>	Solapur, India	ISSN No. 2231-5063	International	2015	4 (7) 1-6.	3.40
11	Efficacy of Mixed fungicide against ten pathogenic fungi of leafy vegetables	<i>Golden Research Thoughts</i>	Solapur, India	ISSN No. 2231-5063	International	2015	4 (8) 1-5.	3.40
12	Allolopathic effect of <i>Parthenium hesterophorus</i> L. on some crop plants	<i>International Journal of Applied Research</i>	Delhi, India	ISSN Print: 2394-7500 ISSN Online: 2394-5869	International	2016	2(4): 730-734	5.20
13	Chemical Profiling and actimycotic activity of medicinal plants	<i>Ajanta,, An International Multidicipinary Journal</i>	Ajanta Prakashan	Print ISSN 2277-5730	International	2019	VII (I) :68-79	5.50 (Cosmos impact factor)
14	Chemical profiling and antimycotic activity of some medicinal plants	An international multidisciplinary quarterly research Journal	Ajanta Prakashan	ISSN/IS BN/QMS /ISO 9001:2008	International	March 2019	Vol VIII, Issue I Page No. 68-79	5.50 (Cosmos impact factor)
15	Biocontrol of leafy vegetable fungal pathogen through antagonistic fungi	Journal of Research and development	Prashant Publication	ISSN-2230-9578	National	January 2020	Vol 10 Issue 02 Page No. 99-106	4.27 (Cosmos impact factor)

16	In-vivo bio-control of fungal pathogens through antagonistic fungi	Journal of Research and Development	Sardar Vallabhbhai Patel Arts and Science College, Ainpur	ISSN-2230-9578	National	January-2020	Vol-10 Issue 01 Page No. 191-195.	4.27 (Cosmos impact factor)
17	Antifungal activity of volatile metabolites released by biocontrol agents	International Journal of Management Science and Technology (IRJMST)	iSaRa Solution Publication	2250-1959(Online) & 2348-9367 (Print)	International www.irjmst.com	Oct. 2021	Vol.12 Issue 10	UGC Care List No. 47959 Impact factor 8.1026
18	Extraction, detection and identification of volatile metabolite from effective antagonistic fungi for their antifungal activity	International Journal of Management Science and Technology (IRJMST)	iSaRa Solution Publication	2250-1959(Online) & 2348-9367 (Print)	International www.irjmst.com	Nov.2022	Vol.13 Issue 11	UGC Care List No. 47959 Impact factor 8.1026
19	Antifungal activity of Non-volatile metabolites released by biocontrol agents	International Journal of Management Science and Technology (IRJMST)	iSaRa Solution Publication	2250-1959(Online) & 2348-9367 (Print)	International www.irjmst.com	March 2023	Vol. 14 Issue 3 PP.126-131	UGC Care List No. 47959 Impact factor 8.1026

Ph D. GUIDESHIP and Ph. D STUDENTS

Sr. No.	Name of Faculty working as research Supervisor	Department	Approval Letter reference number by KBCNMU Jalgaon
1	Dr. Vishal N. Shinde	Botany	KBCNMU/11/PGR/Bot./5108/2019

Ph. D STUDENTS

Sr. No.	Name of Research Student	Registration No.	Application No.	Year of Registration
1	Mr. Raju Namdev Devkar	KBCNMU/11/Ph.D./ Bot./1125/2020	PHD-2021-XGLJO1	2022-23