

1. Name of the Department/Section :

Department of Horticulture, College of Agriculture, Dapoli, Dist – Ratnagiri.

2. **About Department** (About Department HISTORICAL PERSPECTIVE OF THE DEPARTMENT)-

Konkan region is the part of Western Ghat of Maharashtra having warm and humid climate with assured rainfall. Geographically it is hilly region with long coastal sea shore 720 km. For the agricultural development of Konkan region, Maharashtra Govt. established an independent Agriculture University on 18th May, 1972 named “Konkan Krishi Vidyapeeth” with its head quarters at Dapoli, District Ratnagiri, Maharashtra State, India. On 12th February, 2001, “Konkan Krishi Vidyapeeth” has been renamed as “Dr. Balasaheb Sawant Konkan Krishi Vidypeeth. Horticulture is one of the major departments in this University. Education, research and extension are the major mandates of this department.

3. **Academic Programmers:** Provide the details of each programme as

a. **Bachelor Programmes- B.Sc. (Hons) (Agriculture)**

Semester No.	Term No.	Course No.	Credits	Title of the course offered by the department
I	I	HORT 111	2(1+1)	Fundamentals of Horticulture
III	I	HORT 232	2(1+1)	Production Technology for Vegetables and Spices
IV	II	HORT 243	2(1+1)	Production Technology for Fruit and Plantation Crops
V	I	HORT 354	2(1+1)	Production Technology for Ornamental Crops, MAP and Landscaping
V	I	ELE HORT 355	3(2+1)	Protected cultivation
VI	II	HORT 366	2(1+1)	Post-harvest Management and Value Addition of Fruits and Vegetables
VI	II	ELE HORTI 367	3(2+1)	Landscaping
VI	II	ELE HORT 368	3(2+1)	Hi-tech Horticulture
VIII	II	ELM HORT 4812	10(0+10)	Commercial Vegetable Production

4. Infrastructure

The Department of Horticulture, College of Agriculture, Dapoli is using the lab facilities available with the College of Horticulture, Dapoli for conduct of UG practicals. College of Horticulture, Dapoli has two well equipped laboratories and instruction farms to cater the educational and research needs of UG, PG and Ph.D. students as well as the facilities available at College of Horticulture, Dapoli and College of Forestry, Dapoli are also utilized with prior permission for conduct of practicals.

Laboratories at College of Horticulture, Dapoli


Sr. No.	Lab name	Area
1.	Fruit Science	7.20 M x 7.20 M
2.	Vegetable Science	7.00 M x 7.20 M
3.	Instrument Room	3.50 M x 7.20 M
4.	PSMA	5.70 M x 5.70 M
5.	PHT	12.5 M x 7.50 M


The lab facilities available at Central Campus for UG students.


Sr. No.	Name of Lab	Department/College/University
1.	Central Institutional Cell	Soil Science & Agril. Chemistry
2.	ATIC museum	ATIC Centre
3.	Language & personality development lab	NAHEP

5. Faculty

- a. **Academic staff:** Assistant Professor and above with the details of the staff as given below

	Name of the Faculty	Dr. P. C. Haldavanekar
	Post Held	Head of Department
	Date of Birth	31/05/1965
	Qualification	Ph. D. (Agri.)
	Area of Specialization	Horticulture
	Experience (Years)	34
	Research Projects guided PhD M.Sc./M.Tech B.Tech.	Ph. D. – 8 M. Sc. - 15
	Present area of research	Horticulture
	Contact details Land line No. Mobile Fax Email	Mob. 9422939697 pchaldavanekar@dbskkv.ac.in

	Name of the Faculty	Dr. M. M. Kulkarni
	Post Held	Assistant Professor
	Date of Birth	24/10/1976
	Qualification	Ph. D. (Agri)
	Area of Specialization	Horticulture, Fruit Science
	Experience (Years)	13 years
	Research Projects guided PhD M.Sc./M.Tech B.Tech.	M. Sc. 12
	Present area of research	Fruit Science, Post Harvest Management, Organic Farming
	Contact details Land line No. Mobile Fax Email	Mob. 9421633030 mmkulkarni@dbskkv.ac.in

	Name of the Faculty	Dr. Y. S. Saitwal
	Post Held	Assistant Professor
	Date of Birth	03/01/1987
	Qualification	Ph. D. (Agri)
	Area of Specialization	Vegetable Science
	Experience (Years)	7 years
	Research Projects guided	----
	PhD	
	M.Sc./M.Tech	
	B.Tech.	
Present area of research	Vegetable Science	
Contact details	Mob. 8888185129	
Land line No.	yssaitwal@dbskkv.ac.in	
Mobile		
Fax		
Email		

6. Instructional Farm Instructional Farms:

The staff of Department of Horticulture is conducting practical's on well maintained instructional farm and nurseries at College of Horticulture, Dapoli.

The College of Horticulture, Dapoli has total area of 47.17 hectares. All the fields are well connected with approach roads and internal roads. Farm is irrigated by open well and borewell. Most of the perennial crops are irrigated through drip irrigation, while the landscapes are watered by sprinkler irrigation.

College of Horticulture, Dapoli has two nurseries having national accreditation with two stars.

The details of all the farms are given below.

Sr. No.	Place	Plot No. & Area/ha	Plantation	Area covered	No. of Plants
1	2	3	4	5	6
1	Goamankur Plot	1 (2.6 ha.)	Mango Alphonso mother orchard	52.5 R.	224 Plants
			Bajrang mother orchard	37.6 R.	124 Plants
			Goamankur	1.30 R.	35 Plants
			Sonpari	20.6 R.	74 Plants
			Polyhouse - 3	15 R.	24000 Grafts
2	Nursery No. 4	2 (0.68 ha.)	Cashew	43.92 R.	56 Plants
			Karonda	11.73 R.	84 Plants
			Jam	11.73 R.	48 Plants
		3 (0.58 ha.)	Pummelo	28.13 R.	88 Plants
			Black pepper + shevar	30.37 R.	100 Plants
		4 (1.00 ha.)	Japanese Garden	39.38 R.	Ornamental plants mother plantation
			Bush pepper plantation	10.21 R.	1000 Plants
			Poly house - 1	6 R.	Turmeric and Ginger protray plants, MSc Ph.D student trial
			Shade net house - 2	6.35 R.	Nutmeg & Sonchafa seedlings
			Tunnel - 13	8.55 R.	Kokum, Nutmeg, Black pepper,

					Cinnamon, Grafts and Seedlings. MSc,Ph.D student trial.
			Coconut (orange dwarf)	14.86 R.	45 Plants
			Aonla	15.12 R	48 Plants
		5 (0.97 ha.)	Store room	10 R.	Infrastructure
			Class room		
			Office spices		
			Coconut – (orange dwarf)	21.06 R.	44 Plants
			Lakhi bug	47.82 R.	Coconut-154 Nutmeg-72 Cinnamon-171 Black pepper-140
			Arecanut	18.58 R.	96 Plants
			Bush pepper		50 Plants
		6 (0.56 ha.)	Turmeric & MSc, Ph.D. experiment plot, Spider Lily	55.74 R.	-
		7 (2.23 ha.)	Coconut Banavli+ Lakhi bag Coconut Pratap	141.33 R. 81.37 R.	Coconut-285 Cinnamon-254 Nutmeg -87
3	Nursery No. 10	8 (0.45 ha.)	Sapota Mother block	45 R.	67 Plants
		9 (1.42 ha.)	Mango varieties mother block	141.35 R.	69 Plants
			Orange dwarf	Both side of road	34 Plants
		10 (0.58 ha)	PHT unit	2.95 R.	Infrastructure
			Lemon	2.76 R.	24 Plants
			Shade, office vinery	7.69 R.	Infrastructure
			Ratna mother block	15.3 R.	120 Plants
			Sindhu mother block	4.42 R.	62 Plants
			Tunnel shade – 3	19.59 R.	-
			Machine shade, potting shade etc.	4.64 R.	-
		11 (1.04 ha.)	Mango varieties mother block.	35 R.	122 Plants
			Karonda mother plant block.	6.48 R.	70 Plants
			Sapota mother plant block.	11.74 R.	44 Plants
			Jackfruit mother plant block.	5.26 R.	16 Plants
			Jamun mother plant block.	6.07 R.	82 Plants
			Aonla mother plant block.	4.25 R.	15 Plants
			Cashew mother plant block.	10.85 R.	112 Plants
			Jumbo keshar mother block	3.77 R.	103 Plants
			Glass house	3.31 R.	-
			Tunnel shade – 13	17.09 R.	-
		12 (1.68ha.)	Mango mother orchard	168 R.	299 Plants
		13 (0.82ha.)	High density Mango orchard	81.87 R.	173 Plants
4	Nursery No. 4	14 (0.87 ha.)	Mango orchard	86.39 R.	168 Plants
		15 (2.44ha.)	ELP Experiment plot	243.96 R.	-
			coconut	-	50 Plants
5	Kisanbhavan nursery	3 ha.	Mango mother orchard	46.39 R.	188 Plants
			Cashew	47.25 R.	189 Plants
			Arecanut	6.84 R.	152 Plants
			Coconut - 1,	80.93 R.	177 Plants
			Cinnamon	-	68 Plants

			Rose Apple mother block	5.62	10 Plants
			Jackfruit mother block	27.36	114 Plants
			Jamun mother block	20.64 R.	86 Plants
			Ornamental and Floriculture plantation	35.28 R.	-
6	Mango Excellence centre Kokum plot (13.72 ha.)	21	Alphonso	11 ha.	1079 Plants
		22	Kesar		108 Plants
		23	JamboKesar		96 Plants
		24	Payri		89 Plants
			Bajrang		67 Plants
			Israel seedlings		62 Plants
		31	Kokum	1.40 ha.	288 Plants
		32	Jackfruit	1.32 ha.	220 Plants
7	Coconut and spices near A.D. office	0.80 ha.	Coconut	0.80 ha.	118 Plants
			Cinnamon		41 Plants
			Kokum		37 Plants
			Orange dwarf		37 Plants
8	Beautification				
	a) V.C. bungalow and area	4.29 ha.	Garden maintenance, fertilizer application etc.	0.80 ha.	-
	b) V.C. bungalow gate to main building road			0.60 ha.	-
	c) College of Agriculture area and road			0.50 ha.	-
	d) College of Agriculture area and road			1 ha	-
	e) Garden near Library			0.75 ha.	-
	f) V.C. office area garden			0.64 ha.	-
9	Area near V.C. office main building			0.60 ha.	ELP modules
10	Area near Entrance gate of University	0.20 ha.	MSc. Students trial	20 R.	kokanwali, yambean
11	Hi-tech unit	1.5 ha.	Poly house - 1	5 R.	Rose
			Poly house - 2	5 R.	Rose
			Poly house - 3	5 R.	Rose
			Poly house - 4	5 R.	Gerbera
			Poly house- 5	5 R.	Foliage plant
			Poly house - 6	5 R.	Chrysanthemum
			Poly house - 7	5 R.	Vegetable
			Shadenet house-1	5 R.	M.Sc. trial Bromelia Temple chafa
			Shad net house - 2	5 R.	Anthurium
			Shad net house -3	5 R.	Bottle gourd & Bitter gourd
			Shad net house - 4	5 R.	Snake gourd
			Shad net house- 5	5 R.	Ridge gourd & Sponge gourd
			Shad net house- 6	5 R.	MSc. Research trial,
			Shad net house - 7	5 R.	Foliage plants pots.
			Gallardia	4 R	-
			Tuberose	5 R	-
			Sonchafa/Champaca	14 R	150 Plants
			Mogra/Jasmine	2 R	-
			Lily	5 R	-
			Heliconia	2 R	-
			Ladys finger	4 R	-

			Pumpkin	4 R	-
			Chrysanthemum	2 R	-
12	Eight Lab (New establishment college of Horticulture, Dapoli.)	0.60 ha	A.D. office, Class room for U.G. P.G.	60 R.	-
13	475 Survey No.	4.54ha.	Cashew, Caronda, Medicinal & Aromatic Plants.	1.00 ha.	300 Plants
	Total	47.17 ha.	-	-	-

7. Research Activities and Achievements (including projects)

Variety/Recommendation-2023

1. Intercropping in young cashew orchard.
2. Effect of bagging with different bags in Alphonso mango.
3. Performance of Alphonso mango grafts in soilless media.
4. Standardization of spacing and nitrogen in spider lily.
5. Variety release proposal on 'Yard long bean – Konkan Sharada'

8. Extension Activities: Training programmes organized

SN	Training	Date & Location	Number of participants
1	Cultivation practices of spices & processing	Chandgad, Kolhapur (03/04/2022)	187
2	Cultivation practices of spices & processing	Dapoli and Mandangad (10/08/2022)	100
3	Cultivation practices of spices & processing	Usgaon, Dapoli (20/02/2023)	100
4	Cultivation practices of spices & processing	ARS, Awashi (24/02/2023)	100
5	Cultivation practices of spices & processing	Shir, Guhagar (08/03/2023)	187
6	Cultivation practices of spices & processing	College of Horticulture, Mulde (21/03/2023)	101
7	Cultivation practices of spices & processing	ARS, Palghar (28/03/2023)	60

Radio/TV Talks delivered by the staff members of the Department/Section:

Sr. No.	Name of staff	Radio/TV Talk	Date
1	Dr. Y. R. Parulekar	Amba punrujjivan	23/07/2023
2	Dr. N. V. Dalvi	Radio talk- Jambhul lagwad tatradsnyan	22/06/2022
		TV- Kokanatil zendu lagwadis vav	28/08/2023
		Kokanatil fulsheti	23/07/2023

Number of Scientists participated in seminar/Symposium/Conference/Trainings

Sr. No.	Name of the participant	No. of 21 days training completed in 2022	Participation in seminar during 2022-2023	Training needed
1	Dr. Y. R. Parulekar	---	02	---
2	Dr. M. M. Kulkarni	---	03	---

Publications: Number of Research articles published in International Abstracted Journal having NAAS rating more than 5.0 in 2022-23

Sr. No.	Name of the Scientist	Research articles less than 5.0 rating	NAAS rating more than 5.0 rating	Total
1	Dr. P. M. Haldankar	---	06 (one >6 rating)	06
2	Dr. B. R. Salvi	02	04	6

3	Dr. P. C. Haldavanekar	01	04	5
4	Dr. R. G. Khandekar	---	17	17
5	Dr. C. D. Pawar	02	04	06
6	Dr. R. C. Gajbhiye	02	--	02
7	Dr. P. B. Sanap	---	10	10
8	Dr. P. C. Mali	01	01	02
9	Dr. N. V. Dalvi	02	04	06
10	Dr. Y. R. Parulekar	02	05	07
11	Dr. M. M. Kulkarni	04	01	05
12	Dr. S. B. Thorat	-	06	06
13	Dr. Pradnya Gudadhe	--	01	01
14	Dr. M. H. Khanvilkar	--	04	04
15	Dr. M. H. Khanvilkar	--	04	04

9. Contact Information

1	Name of the Head	Dr. P. C. Haldavnekar
2	Name of the Department	Department of Horticulture
3	Postal Address	Department of Horticulture, College of Agriculture, Dapoli, Dr. BSKKV, Dapoli, Tal. Dapoli, Dist. Ratnagiri.
4	Landline Number	02358-282411
5	Mobile Number	Mob. 9422939697
6	Email	pchaldavanekar@dbskkv.ac.in