

Annual Report

Faculty of Horticulture



Uttar Banga Krishi Viswavidyalaya
Pundibari-736 165, Cooch Behar, West Bengal

Year: 2017-18

History

The Faculty of Horticulture was established in the year 1997 under erstwhile North Bengal Campus of BCKV and this had been transferred to Uttar Banga Krishi Viswavidyalaya on 1st February, 2001. The Faculty was housed temporarily in a part of Faculty building of Agricultural since inception. However, a part of construction of new building for the Faculty was completed in the year 2010 and the Faculty was transferred to new building.

The Mandate

- Conduction of teaching programmes (Under Graduate, M.Sc., & Ph.D.)
- Conservation, development, management, display and undertake research on native flora. Promotion of use of the flora for horticulture.
- Development of appropriate horticultural based cropping systems for different agro-climatic zones.
- Identification of location specific agro-forestry and silvipasture system for wasteland development.
- Development of improved varieties and hybrids of fruits, vegetables, plantation crops, medicinal and aromatic plants with good quality high production potential, biotic and abiotic resistance and suitable for export.
- Development and field testing of integrated management of nutrients, diseases and pests of important horticultural crops to reduce input costs, environmental pollution and to avoid pesticide-residue problems.
- Post-harvest technology including value-addition and product diversification of important fruits, vegetables, spices, foliage plants, flowers and plantation crops and export promotion.
- Developing rapid tools, bio-techniques and technologies for genetic manipulations for introducing desirable traits of yield, quality and stress tolerance.
- Production of quality planting materials and micro-propagation of important horticultural crops.
- Protected cultivation of vegetables and flowers.
- Development of package of practices for production of organic horticultural produce.
- Transfer of technologies to farmers and entrepreneurs for increase in quality production of horticulture crops.

Departments under the Faculty

- Department of Pomology & Postharvest Technology
- Department of Vegetable and Spice Crops
- Department of Floriculture, Medicinal and Aromatic Plants
- Department of Plantation Crops and Processing
- Department of Forestry

Over View

The Faculty of Horticulture was established in the year 1997 under erstwhile North Bengal Campus of BCKV and this had been transferred to Uttar Banga Krishi Viswavidyalaya on 1st February, 2001. The Faculty was housed temporarily in a part of Faculty building of Agricultural since inception. However, a part of construction of new building for the Faculty was completed in the year 2010 and the Faculty was transferred to new building.

Introduction

Faculty of Horticulture at Pundibari was established vide Government of West Bengal order no. 8010-Edn/Ag/O/3B(U)-9/96 dated 22nd October, 1997 under erstwhile Bidhan Chandra Krishi Viswavidyalaya. A Post of Professor was also created to head the newly created Faculty. With the establishment of Uttar Banga Krishi Viswavidyalaya, the same post of Professor was earmarked to function as Dean, Faculty of Horticulture, UBKV, which is a statutory post (University First Statue, 2001).

The present Dean, Prof. (Dr.) Jagadish Chandra Jana was selected on 5th November, 2015 and joined on 24th November, 2015

Academic activity of the faculty started in the year 1997, with 5 students in the four years B. Sc. (Hort.) Hons. degree programme as the North Bengal Campus of BCKV. The students intake was gradually increased to 10 (ten) after establishment of the University in 2001 and to fifteen in the year 2005. The current intake capacity in undergraduate programme is 20 (twenty) per year.

The faculty is offering Master and Ph.D. degree programmes under all the departments from 2001-02 academic sessions, except under Floricultural, Medicinal & Aromatic Plants. The Department of Floricultural, Medicinal & Aromatic Plants started Ph. D. programme from 2009-10 academic session and M. Sc. Programme in 2011-12. The main objective was to produce graduates and post graduate students including researchers for enhancing employability, employment potential, entrepreneurship and science-led transformation of our agri-horticulture system.

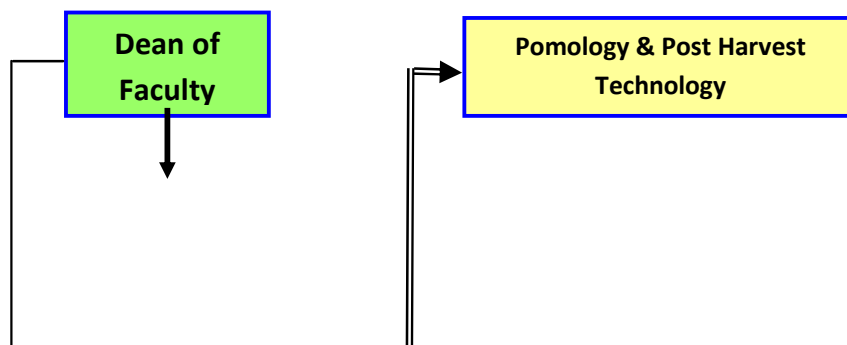
The Faculty is following recommendations of the ICAR's IVth and Vth Deans' Committee and BSMA Committee recommendations for degree nomenclature and syllabus for UG and PG (M. Sc. and Ph. D.) degree programmes.

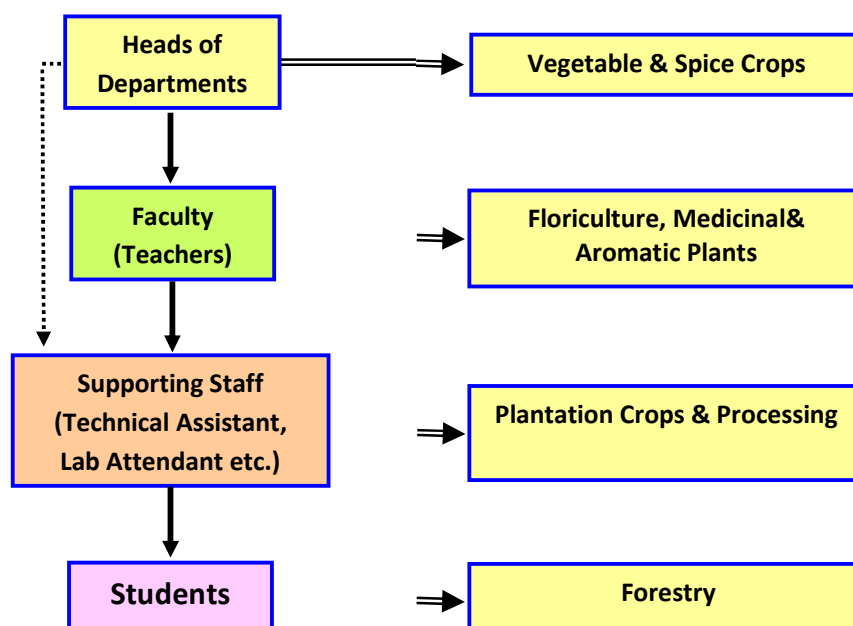
List of Academic Programmes

Sl. No.	Name of the Department	Bachelor's Programme	Master's Programme	Ph. D. Programme
1	Pomology and Postharvest Technology	B. Sc. (Hort.) Hons. before implementation of ICAR-V	M. Sc. (Hort.) in Pomology and Postharvest Technology	Ph D. in Pomology and Postharvest Technology
			M. Sc. (Hort.) Fruit Science	Ph D. (Hort.) Fruit Science

Sl. No.	Name of the Department	Bachelor's Programme	Master's Programme	Ph. D. Programme
		Deans' Committee Report	offering from 2017	offering from 2017
		B. Sc. (Hons.) Horticulture	M. Sc. (Hort.) Postharvest Technology offering from 2017 (Newly Proposed)	Ph. D. (Hort.) Postharvest Technology offering from 2017 (Newly Proposed)
2	Vegetable and Spice Crops	after implementation of ICAR-V Deans' Committee Report from 2016	M. Sc. (Hort.) in Vegetable and Spice Crops	Ph D. in Vegetable and Spice Crops
		All departments of all Faculties are associated with UG course curriculums of the University	M. Sc. (Hort.) Vegetable Science offering from 2017	Ph D. (Hort.) Vegetable Science offering from 2017
3	Floriculture, Medicinal and Aromatic Plants		M. Sc. (Hort.) in Floriculture, Medicinal and Aromatic Plants	Ph D. in Floriculture, Medicinal and Aromatic Plants
			M. Sc. (Hort.) Floriculture and Landscape Architecture offering from 2017	Ph D. (Hort.) Floriculture and Landscape Architecture offering from 2017
4	Plantation Crops and Processing		M. Sc. (Hort.) in Plantation Crops and Processing	Ph. D. in Plantation Crops and Processing
			M. Sc. (Hort.) Plantation, Spice, Medicinal and Aromatic Crops offering from 2017	Ph D. (Hort.) Plantation, Spice, Medicinal and Aromatic Crops offering from 2017
5	Forestry		M. Sc. Forestry	Ph D. Forestry

Administration





Organizational Chart

Staff position

Category	Sanctioned	Vacant position	In position	Faculty recommended by regulatory body
Dean	1 (Statutory)	0	1(selected from Professors)	1
Professor	4	4	7 (through CAS)	9
Associate Professor	8	0	2 (7 promoted through CAS)	13
Assistant Professor	12	1	11	34
Research Scientist	5	0	5*	-
Extension Professional	0	0	0	-
Contractual Faculty	0	0	0	-
Guest Faculty	0	0	0	-
Adjunct Faculty	-	-	33	-
Associated Teachers form other Faculties within the main campus to cater courses of mismatched disciplines of the Faculty	-	-	17	-

Teaching Members of the Faculty

Department	Name of the Teacher	Designation	Mobile No.	E-mail address
POMOLOGY AND POST HARVEST TECHNOLOGY (T-5, R-2)	Dr. Prodyut Kumar Paul	Professor	8016425515	prodyut24@yahoo.com
	Dr. Nilesh Bhowmick	Assistant Professor	9433438982	nileshbhowmick@gmail.com
	Dr.(Ms.)Mutum Preema Devi	Assistant Professor	7063102366	preema.horti@gmail.com
	Dr. Aditi Chakraborty	Assistant Professor	9432842864	aditi.chatterjee10@gmail.com
VEGETABLE AND SPICE CROPS (T-5, R-3)	Dr. Jagadish Chandra Jana	Professor	9475832372	janaic@rediffmail.com
	Dr. Ranjit Chatterjee	Professor	9434197862	ranchat22@rediffmail.com
	Dr. Suchand Datta (Res) RRS, Terai Zone	Professor	9434228494	suchanddatta@rediffmail.com
	Dr. Partha Choudhury (on lien)	Assistant Professor	9434197827	partha2909@rediffmail.com
	Ms. SibnathBasfore	Assistant Professor	9641319674	shibnathbckv@gmail.com
	Dr. SubhamoySikder	Assistant Professor	8436956667	subhamoy.sms@gmail.com
PLANTATION CROPS AND PROCESSING (T-4, R-0)	Dr. Himadri Bhattacharjee	Professor	9434686285	drhbhatta@live.com
	Dr. Partha Sarathi Medda	Professor	9474567593	psmedda@gmail.com
	Dr. Babli Dutta	Assistant Professor	8296767044	babli.here@gmail.com
	Dr. Shrilekha Das	Assistant Professor	9433774153	shri137@gmail.com
FLORICULTURE MEDICINAL AND AROMATIC PLANTS (T-3, R-1)	Dr. Soumen Maitra	Professor	9433365907	soumenmaitra@rediffmail.com , soummaitra@gmail.com
	Dr. Indrajit Sarkar	Associate Professor	9434814181	indrajitsarkar_kpg@yahoo.co.in
	Smt. Swathi Kolukunde (on lien)	Assistant Professor	8276871965	kswathi006@gmail.com
	Dr. Arpita Mandal Khan	Assistant Professor	9434061440	meet.arpitakhan@gmail.com
FORESTRY (T-5, R-0)	Dr. Sumit Chakravorty	Professor	9434082687	c_drsumit@yahoo.com c.drsumit@gmail.com
	Dr. AmarendraNathDey	Associate Professor	9434191333	amarendra_dey@rediffmail.com

	Dr. GopalShukla	Assistant Professor	9851380707	gopalshukla12@gmail.com
	Dr. Nazir Ahmed Pala	Assistant Professor	9932812631	nazirpaul@gmail.com
	Smt. Vineeta	Assistant Professor	8477852011 9456762904	babra.vini@gmail.com

Non-teaching staff

Non-Teaching (Technical and Supporting) Staff:

Office/Department	Name of the Staff	Designation	Phone No.
DEAN OFFICE	1. Smt. Nirupama Sarkar	Jr. Store Keeper	9903302626
	2. Mr. Subir Nandi	Jr. Assistant	8759915086
	3. Subrata Das	Jr. Assistant	8759144059
	4. Mr. Rakhal Ch. Das	Cashier	9474425671
	5. Mr. Pradip Kr. Sen	Jr. Peon	9775464387
POMOLOGY AND PHT	1. Mr. Nitish Saha	Technical Assistant Gr.-I	9475835338
	3. Mr. Dibyendu Das	Jr. Store Keeper	9733196969
	2. Mr. Ananda Sarkar	Lab. Attendant	8927242990
VEGETABLE AND SPICE CROPS	1. Smt. Swapna Rava	Lab. Attendant	7602365628
	2. Mr. Bholaram Das	Jr. Peon	7679225637
PLANTATION CROPS AND PROCESSING	1. Mr. Pijush Saha	Technical Assistant Gr.-II	8388093298
	2. Mr. Debasish Das	Jr. Peon	9547424966
FLORICULTURE, MEDICINAL AND AROMATIC PLANTS	1. Md. M.H. Khandekar	Technical Superintendent	9734942436
	2. Mr. Sankar Neogi	O. A. Gr.-II	9593952277
FORESTRY	1. Smt. Anupama Das	Technical Assistant Gr.-II	9932799357
	2. Mr. Ajit Roy	Laboratory Attendant	8116377511

Awards and Honours

1. **Distinguished Scientist Award** in the field of Floriculture Dr. S. Maitra offered in the occasion of VIRA – 2017 on 11.11.2017
2. Dr. S. Maitra - Member of the Technical Expert-cum-Screening Committee of West Bengal State Medicinal Plants Board
3. **Best Paper Award** - Dr. A. Mandal Khan – for Value added packaging of single Cymbidium flowers –A technology for augmenting farmers' income. *National*

Conference on Floriculture for Rural and Urban Prosperity in the Scenario of Climate Change, Feb-16-18, 2018, Ranipool, Sikkim.

4. **Best Poster Award**-Chandra K. Rai, Arpita Mandal Khan, Swathi, K. Sujit Rai and Sarkar, I. (2018) Effect of extraction methods on quality of organic dyes from flowers and their utility. *National Conference on Floriculture for Rural and Urban Prosperity in the Scenario of Climate Change*, Feb-16-18, 2018, Ranipool, Sikkim.
5. **Best Poster Award**-Swathi, K. Arpita Mandal Khan, Mingma Diki Sherpa and Harshitha L. (2018) Socio-economic upliftment of rural women through value-added agro-forestry products. *National Conference on Floriculture for Rural and Urban Prosperity in the Scenario of Climate Change*, Feb-16-18, 2018, Ranipool, Sikkim.
6. **Scientist of the Year 2017 Award**- Dr. S. Chakravarty- International Foundation for Environment and Ecology in association with Confederation of Indian Universities (CIU), New Delhi and Dept. of Zoology, Guwahati University, Guwahati, Assam.
7. **Young Scientist of the Year 2017 Award**- Dr. A. N. Dey- International Foundation for Environment and Ecology in association with Confederation of Indian Universities (CIU), New Delhi and Dept. of Zoology, Guwahati University, Guwahati, Assam.
8. **Young Scientist of the Year 2017 Award** - Dr. G. Shukla - International Foundation for Environment and Ecology in association with Confederation of Indian Universities (CIU), New Delhi and Dept. of Zoology, Guwahati University, Guwahati, Assam.
9. **Junior Scientist of the Year 2017 Award** - Ms. Vineeta - International Foundation for Environment and Ecology in association with Confederation of Indian Universities (CIU), New Delhi and Dept. of Zoology, Guwahati University, Guwahati, Assam.
10. **Best Paper award** - Dr. Nazir A. Pala - International Foundation for Environment and Ecology in association with Confederation of Indian Universities (CIU), New Delhi and Dept. of Zoology, Guwahati University, Guwahati, Assam.
11. **Young Scientist Award** - Dr. A. N. Dey - Society of Krishi Vigyan

12. **Young Scientist of the Year 2017 Award** – Nilesh Bhowmick - International Foundation for Environment & Ecology, Kolkata.

13. **Best Presentation Award** (Oral) for research paper – Nilesh Bhowmick - 4th International Conference on Environment & Ecology, Gauhati University, Assam organized by International Foundation for Environment & Ecology, Kolkata.

14. **Best Oral Presentation Award** for research paper - Nilesh Bhowmick - 1st Farm Innovation Congress, 2018 & National Conference held at Bidhan Chandra Krishi Viswavidyalaya, West Bengal

Members of the Faculty acted as Resource person in National, International, State and District level symposium / conference /seminar/ work shop /trainings

Event and Lecture topic	Period	Venue	Organizer	Resource Person
<i>'Landscaping and gardening ornamentals: an alternative source of essential oils'</i> in the "National Symposium on Floriculture and Urban Horticulture in Global Perspective (NASRAFUH - 18)"	4-5 January, 2018	Bidhan Chandra Krishi Viswavidyalaya, West Bengal	Bidhan Chandra Krishi Viswavidyalaya, Kalyani, Nadia, West Bengal	Dr. S. Maitra
<i>'Strategies for conservation of medicinal and aromatic plants in Northern part of West Bengal'</i> In Recent Advances in Medicinal Plants Sector in India and Their Sustainable Uses in Human Welfare and Poverty Alleviation	28 th January, 2018	Ramkrishna Mission Ashrama, Narendrapur, Kolkata	Medicinal Plants Research and Extension Centre, Ramkrishna Mission Ashrama, Narendrapur, Kolkata	Dr. S. Maitra Rapporteur in the technical session – 2
High-Tech Horticulture and Medicinal and Aromatic Plants	24-25 th May, 2017	UBKV	Agriculture Training Centre, CoochBehar, Dept. of Agriculture, Govt. of WB	Dr. S. Maitra
Present status and scope of flower production and business in West Bengal	4-5 January, 2018	FACC, BCKV	Bidhan Chandra Krishi Viswavidyalaya, West Bengal	Dr. S. Maitra
Production and utilization of vermicompost in floriculture	2 nd Feb- 2 nd Mar, 2018	UBKV, Pundibari.	UBKV, Pundibari	Dr. S. Maitra

Event and Lecture topic	Period	Venue	Organizer	Resource Person
Value addition and economics of medicinal plants	2 nd Feb-2 nd Mar,2018	UBKV, Pundibari.	Department of Forestry, UBKV	Dr. S. Maitra
Problem and Prospect of Medicinal Plant Cultivation in CoochBehar District	28 th Feb,2018	UBKV, Pundibari.	CoochBehar KVK	Dr. S. Maitra
Propagation technique of different flowers and medicinal plants	23 th Feb,2018	UBKV, Pundibari.	CoochBehar KVK on 28.02.2018	Dr. S. Maitra
Propagation technique of different flowers and medicinal plants	29 th Feb,2018	UBKV, Pundibari.	CoochBehar KVK on 28.02.2018	Dr. S. Maitra
Skill Development Training on Vermicompost Producer	Feb- 2 nd March 2018	UBKV, Pundibari	UBKV	Dr. Arpita Mandal Khan
Conservation and sustainable management approaches of ethno-botanic plants for livelihood improvement, <i>In</i> 4 th International Symposium on Minor Fruits and Medicinal Plants	5-6 Decem ber 2017	CAU Pasighat, Arunachal Pradesh	ISMF&MAP and College of Horticulture and Forestry, CAU Pasighat.	Dr. S.Chakravarty
Agroforestry: a climate smart practice for sustainability and livelihood <i>In</i> National Seminar on Water and Soil Management Approaches for Climate Smart Agriculture	23-24 th March 2018	Banaras Hindu University, Varanasi	Banaras Hindu University, Varanasi in occasion of Golden Jubilee Year (1968-2018).	Dr. S.Chakravarty
Acted as Co-Chairman in the technical session “Interventions in Soil Management for Climate Smart Agriculture” In National Seminar on Water and Soil Management Approaches for Climate Smart Agriculture	23-24 th March 2018	Banaras Hindu University, Varanasi	Banaras Hindu University, Varanasi in occasion of Golden Jubilee Year (1968-2018).	Dr. S.Chakravarty
Acted as Co-Chairman in the technical session “Food Security and Safety under Climate Variables” in 4 th International Conference on Environment and Ecology	12-14 February 2018	Gauhati University, Guwahati, Assam	International Foundation for Environment and Ecology and Confederation of Indian Universities, New Delhi.	Dr. S.Chakravarty
Deforestation: inviting natural hazards, <i>In</i> 105 th Indian Science Congress held at Manipur University, Imphal	16-20 th March 2018	Manipur University, Imphal	Manipur University, Imphal and Indian Science Congress Association, Kolkata.	Dr. S.Chakravarty
Sustainable use of wood can mitigate climate	on 05-06 March	North Eastern Hill	North Eastern Hill University, Shillong	Dr. S.Chakravarty

Event and Lecture topic	Period	Venue	Organizer	Resource Person
change, <i>In National Seminar on Understanding the Earth for Resourcing Future Generations</i>	2018	University, Shillong	and Shillong Chapter, Indian Science Congress Association, Kolkata.	rty
Exposure visit of a farmer group of Tapan Block	13-14 th July, 2017	Laboratory, Dept. of Pomology and Post Harvest Technology, UBKV, Pundibari, Cooch Behar, W.B.	Assistant Director of Agriculture & convenor of BTT,FIAC, ATMA, Tapan, Dakshin Dinajpur, W.B.	Dr. M. Preema Devi
Training on fruit processing of B.Ed. students	18-19 th July, 2017	Laboratory, Dept. of PPHT,UBKV, Pundibari, Cooch Behar, W.B.	B.Ed. Evening college, Cooch Behar, W.B.	Prof. P. K. Paul Dr. M. Preema Devi

Members of the Faculty attended National and international level symposium / conference/ seminar/workshops

Title	Duration	Organizing Institute	Attended by
<i>Hill Business Summit, Darjeeling, West Bengal</i>	13.03.2018	Departments of MSME, Textiles and Tourism, Govt. of WB & Confederation of Indian Industry (CII)	Dr. S. Maitra
National Conference on Floriculture for Rural and Urban Prosperity in the Scenario of Climate Change, Gangtok, Sikkim	Feb-16-18, 2018	Indian Society of Ornamental Horticulture	Dr. Arpita Mandal Khan
<i>7th International Science Congress, Phuntshelling, Bhutan.</i>	8-9 December, 2017	International Science Community Association, Bhutan.	Dr. Arpita Mandal Khan

Title	Duration	Organizing Institute	Attended by
<i>7th International Science Congress, Phuntshelling, Bhutan.</i>	8-9 December, 2017	International Science Community Association, Bhutan.	Dr. Indrajit Sarkar
Training of Trainers (TOT) Skill Development Programme under PMKVY-Skill India scheme	21-23 rd August, 2017	Division of Extension Education, IARI, New Delhi.	Dr. Ranjit Chatterjee
4 th International Conference on Environment and Ecology, Kolkata	12.2.2018 - 14.2.2018	International Foundation for Environment & Ecology, Kolkata	Mr. N. Bhowmick
1 st Farm Innovation Congress, 2018 & National Conference on Innovative Farming for Food and Livelihood Security in Changing Climate , BCKV.	12.01.2018 - 13.01.2018	Society for Advancement of Agricultural Innovation & AICRP on Soil Test Crop Response Correlation, BCKV	Mr. N. Bhowmick
<i>4th International Symposium on Minor Fruits and Medicinal Plants</i> College of Horticulture and Forestry, CAU Pasighat, Arunachal Pradesh,	5-6 December 2017	ISMF&MAP and College of Horticulture and Forestry, CAU Pasighat	Dr. G. Shukla, Dr. L.D. Lepcha, ; Dr. P. Rai,; Vineeta; Dr. N. A. Pala, Dr. S Chakravarty
. <i>4th International Conference on Environment and Ecology</i> , Gauhati University, Guwahati	12-14 February 2018	International Foundation for Environment and Ecology and Confederation of Indian Universities, New Delhi	Dr. G. Shukla, Dr. L.D. Lepcha, ; Dr. P. Rai,; Vineeta; Dr. N. A. Pala, Dr. S Chakravarty Dr. A Manohar
North-East Green Summit-2017”	1-5 th December, 2017.	Vibgyor Media Solutions, Gauhati	Ms. Vineeta
National Seminar on “ Understanding the Earth for Resourcing Future Generation”	5-6 th March, 2018	North-Eastern Hill University, Shillong	Ms. Vineeta
7 th International Science Congress (ISC-2017) at College of science and technology, Royle university of Phuentsholing, Bhutan	8 th -9 th December, 2017	ISCA and College of science and technology, Royle university of Bhutan,	Dr. Pala, NA and Dr. BC Sarkar

Title	Duration	Organizing Institute	Attended by
“National workshop on Innovative nutrient stewardship: Concepts, principles and applications” at UBKV.	March 26-28, 2018	UBKV and International Plant Nutrition Institute (IPNI).	Dr. Nazir A. Pala, Dr. A. N. Dey
4 th International Conference on Environment and Ecology (ICEE – 2018)	12-14 th February, 2018.	Guwahati University	Nazir A. Pala
National Conference on Improving Income of Farmers through Agriculture and Aquaculture through Development Interventions	5-7 th January, 2018	ICAR-CIFA, Odisha	Anjali Kumari and Dr. A. N. Dey
4 th International Conference on Environment and Ecology (ICEE – 2018)	12-14 th February, 2018.	Guwahati University	Dr. A. N. Dey
7 th International Science Congress (ISC-2017) at College of science and technology, Royal University of Phuentsholing, Bhutan	8 th -9 th December, 2017	ISCA and College of science and technology, Royal University of Bhutan,	Dr. B. Dutta

Teaching

Courses offered at UG level

Department of Pomology and Post harvest Technology

Course No.	Course Title	Credit	Course Leader	Associated teachers
PPT 101	Fundamentals of Horticulture	2+1	Mr. N. Bhowmick	Dr. A. Chakraborty Teachers of VSC & FMAP
PPT 102	Plant Propagation & Nursery Management	1+1	Dr. A. Chakraborty	Prof. S. K. Ghosh Mr. N. Bhowmick
PPT 151	Tropical and Sub-tropical Fruits I	1+1	Dr. A. Chakraborty	Dr. S. K. Ghosh Mr. N. Bhowmick
PPT 151	Orchard and Estate Management (5 th Dean Committee)	1+1	Mr. N. Bhowmick	Dr. A. Chakraborty Dr. P. K. Paul
PPT 152	Orchard Management	1+0	Mr. N. Bhowmick	Dr. A. Chakraborty

PPT 152	Orchard Management (4 th Dean Committee, Year Back)	1+0	Dr. A. Chakraborty	Mr. N. Bhowmick
PPT 152	Dry land horticulture	1+1	Dr. A. Chakraborty	N. Bhowmick Dr. P. K. Paul
PPT 201	Temperate Fruits	1+1	Mr. N. Bhowmick	Prof. S. K. Ghosh Dr. A. Chakraborty
PPT 251	Tropical and Sub-tropical Fruits II	1+1	Mr. N. Bhowmick	Dr. S. K. Ghosh Dr. A. Chakraborty
PPT 252	Breeding of Fruits & Plantation Crops	2+1	Dr. A. Chakraborty	Mr. N. Bhowmick Dept. of PCP
PPT 301	Post Harvest Management of Horticultural Crops	2+1	Dr. M. P. Devi	Dr. P. K. Paul
PPT 302	Post Harvest Management & Value Addition of Fruits & Vegetables	1+1	Dr. P. K. Paul	Dr. M. P. Devi
PPT 303	Fundamentals of Food Technology	1+1	Dr. P. K. Paul	Dr. M. P. Devi
PCP 351	Processing of Horticultural Crops (Offered from Plantation Crops & Processing)	1+2	Teachers of PCP	Dr. M. Preema Devi Dr. P. K. Paul
PCP 151	Growth and development of Horticultural Crops (Offered from Plantation Crops & Processing)	1+1	Teachers of PCP	Dr. A Chakraborty

Department of Vegetable sciences

Course code	Course title	Credit hour	Course instructor(s)
PPT 101	Fundamentals of Horticulture	2+1	Prof. J. C. Jana/Dr. Ranjit Chatterjee (under PPHT)
VSC 201	Spice and Condiments	2+1	Dr. Suchand Datta Dr. Ranjit Chatterjee
VSC 202	Organic Farming	2+1	Dr. Ranjit Chatterjee (One teacher from Agronomy,F/Ag.
VSC 203	Production Technology of Vegetables and Spices	1+1	Dr. Subhamoy Sikder Dr. Ranjit Chatterjee Dr. Suchand Datta
VSC 301	Breeding of Vegetable, Tuber and Spice Crops	2+1	Dr. Subhamoy Sikder Mr. Shibnath Basfore# Dr. Ranjit Chatterjee
VSC-151	Tropical and subtropical vegetables	(2+1)	Dr.S. Sikder
PCP	Weed management of	(1+1)	Dr. Ranjit Chatterjee

	Horticultural Crops		
VSC351	Seed production of vegetable, tuber and spice crops	(2+1)	Dr.S. Sikder
VSC 352	Production technology of spices, medicinal, aromatic and plantation crops	(2+1)	Dr. S Datta and one teacher each from FMAP and PCP
HORT 152	Principles of horticultural crops and plant protection	(1+1)	Prof. J. C. Jana, one teacher from PPHT, one /two teachers from F/Ag

Department of Floriculture, Medicinal and Aromatic Plants

Course No.	Course Title	Credit	Course Leader	Associated teachers
FAM-101	Principles of Landscape Architecture	1 (0+1)	Dr. S. Maitra	Ms. S. Kolukunde
FAM-201	Commercial Floriculture	3(2+1)	Dr. I Sarkar	Dr. S. Maitra
FAM-251	Ornamental Horticulture	3(2+1)	Dr. I Sarkar	Dr. S. Maitra
FAM-301	Medicinal and Aromatic Plants	3(2+1)	Dr. S. Maitra	
FAM-301 (IV th Dean)	Breeding and Seed Production of Flower and Ornamental Crops	3(2+1)	Ms. S. Kolukunde	Dr. A. M. Khan

Department of Plantation Crops and Processing

Course No.	Course Title	Credit hours
PCP 151	Growth and Development of Horticultural crops	2(1+1)
PCP 251	Plantation Crops	3(2+1)
PCP 351	Processing of Horticultural Crops	3(1+2)

Forestry

Semester	Course No.	Title	Credit	Associated teachers
1 st	FOR-101	Introduction to Forestry (COA, Pundibari)	1+1	Miss Vineeta, Dr. A. N. Dey Dr. N. A. Pala
1 st	FOR-101	Introduction to Forestry (CoA, Majhian)	1+1	Dr. G. Shukla, Dr. A. N. Dey
1 st	HOR-151	Environmental Science (COB. Tech)	3+0	Dr. G. Shukla, Dr. G.C. Banik Miss Vineeta

5 th	FOR-301	Introductory Agroforestry (COH)	1+1	Dr. N. A. Pala, Miss Vineeta Dr. G. Shukla
4 th	FOR-251	Environmental Science (COH)	2+1	Dr. N. A. Pala, Dr. G. Shukla Dr. G.C. Banik, Miss Vineeta
6 th	FOR-351	Environmental Science (COA, Pundibari)	1+1	Dr. G. Shukla, Dr. N. A. Pala Dr. G.C. Banik, Dr. A. N Dey
6 th	FOR-351	Environmental Science (CoA, Majhian)	1+1	Dr. G. Shukla, Dr. N. A. Pala Dr. G.C. Banik

Student enrolment for UG degree programmes during year 2017-18

Degree Programme	Intake capacity	Total Enrolment	
		Male	Female
B.Sc (Hons.) Horticulture	20	13	6

Student passed out for UG degree programmes during year 2017-18

Degree Programme	Enrolment of the batch 2014		Total pass outs	
	Male	Female	Male	Female
B.Sc (Hons.) Horticulture	9	9	9	9

Post Graduate Degree Programmes

Courses offered at PG level

Department of Pomology and Post harvest Technology

Course No	Course Title	Credit	Course Leader	Associated teachers
PPT 501	Tropical & Sub-tropical Fruit Production-I	2+1	Dr. A. Chakraborty	N. Bhowmick
PPT-502	Tropical & Sub-tropical Fruit Production-II	2+1	N. Bhowmick	Dr. S. K. Ghosh Dr. A. Chakraborty Dr. M. P. Devi
PPT-503	Temperate Fruit Production Technology	2+1	Mr. N. Bhowmick	Prof. S. K. Ghosh Dr. A. Chakraborty

PPT 504	Breeding of Fruit Crops	2+1	Dr. A. Chakraborty	N. Bhowmick Dr. M. P. Devi
PPT-505	Post Harvest Physiology & Handling of Horticultural Crops	2+1	Dr. M. P. Devi	Dr. P. K. Paul
PPT 506	Principle of preservation of horticultural crops	2+1	Dr. P. K. Paul	Dr. M. P. Devi
PPT-507	Propagation, nursery management and biotechnology of fruit crops	2+1	Dr. A. Chakraborty	Prof. S. K. Ghosh Mr. N. Bhowmick
PPT- 601	Advances in Breeding in fruit crops	2+1	Dr. A. Chakraborty	Dr. S. K. Ghosh
PPT- 602	Advances in Production of Fruit Crops -I	2+1	Dr. A. Chakraborty	Dr. A. Chakraborty
PPT-603	Advances in Production of Fruit Crops –II	2+1	Dr. A. Chakraborty	Dr. A. Chakraborty
PPT -607	Commercial fruit nursery	1+1	Dr. A. Chakraborty	Dr. S. K. Ghosh
PPT- 608	Advances in Post harvest physiology	2+0	Dr. P. K. Paul	Dr. M. P. Devi
PPT- 609	Advances in food preservation	2+0	Dr. M. P. Devi	Dr. P. K. Paul

Department of Vegetable Sciences

Course code	Course title	Credit hour	Course instructor(s)
VSC 501*	Production Technology of Cool season Vegetable Crops	2+1	Dr. Subhamoy Sikder Mr. Shibnath Basfore# Dr. Ranjit Chatterjee
VSC 502	Production technology of warm season vegetable crops	(2+1)	Dr. Ranjit Chatterjee Dr.S. Sikder
VSC 503*	Breeding of Vegetable Crops	2+1	Prof.J.C.Jana Mr. Shibnath Basfore Dr. Subhamoy Sikder
VSC 504*	Growth and Development of	2+1	Dr. Ranjit Chatterjee

	Vegetable Crops		Dr. Suchand Datta Mr. Shibnath Basfore#
VSC 505	Seed production technology of vegetable crops	(2+1)	Dr.S. Sikder Dr. Ranjit Chatterjee
VSC 506	Systematics of Vegetable Crops	1+1	Dr. Ranjit Chatterjee Mr. Shibnath Basfore#
VSC 507	Production Technology of Under exploited Vegetable Crops	1+1	Dr. Suchand Datta Prof.J.C.Jana Mr. Shibnath Basfore#
VSC 512*	Processing of Spices	1+1	Dr. Suchand Datta Dr. Ranjit Chatterjee
VSC 601**	Advances in Vegetable Production	2+1	Dr. Subhamoy Sikder Prof. J.C.Jana
VSC 602	Advances in breeding of vegetable crops	(2+1)	Dr.S. Sikder and Dr. Ranjit Chatterjee
VSC 603	Protected Cultivation of Vegetable Crops	1+1	Dr. Ranjit Chatterjee Dr. Subhamoy Sikder
VSC 604	Biotechnology of Vegetable Crops	(2+1)	Dr.S. Sikder Dr. Avijit Kundu)
VSC 605	Seed Certification, Processing and Storage of Vegetable Crops	1+1	Dr. Suchand Datta Dr. Subhamoy Sikder
VSC 691	Doctoral Seminar	1+0	Dr. Ranjit Chatterjee

Department of Floriculture, Medicinal and Aromatic Plants

Course No	Course Title	Credit	Course Leader	Associated teachers
FLA 501	Production technology of Cut Flowers	3 (2+1)	Dr. I Sarkar	Dr. S. Maitra Dr. A. M. Khan
FLA 502	Breeding of Flower crops and Ornamental Plants	3 (2+1)	Dr. S. Maitra	Dr. A. M. Khan Ms. S. Kolukunde
FLA 551	Production Technology of Loose Flowers	3 (2+1)	Dr. S. Maitra	
FLA552	Landscaping and Ornamental Horticulture	3 (2+1)	Dr. A. M. Khan	Dr. I Sarkar
FLA 601	Protected Floriculture	3 (2+1)	Dr. S. Maitra	Ms. S. Kolukunde Dr. I Sarkar

FLA 602	Value Addition in flowers	3 (2+1)	Ms. S. Kolukunde	Dr. A. M. Khan
FLA 701	Advances in Flower production Technology	3 (2+1)	Dr. I Sarkar	Dr. A. M. Khan
FLA 702	Advances in protected and precision floriculture	3 (2+1)	Dr. S. Maitra	Dr. A. M. Khan
FLA751	Advances in breeding of flower crops	3 (2+1)	Dr. S. Maitra	Dr. A. M. Khan
FLA 752	Advances in Landscape Architecture	3 (2+1)	Dr. I Sarkar	Dr. S. Maitra

Department of Plantation crops and Processing

Course No.	Course Title	Credit hours
PCP 502	Production Technology of Plantation crops-II	3(2+1)
PCP 505	Processing of Plantation Crops Crops II	3(2+1)
PCP 504	Breeding of Plantation crops	3(2+1)
PCP 507	Organic Production Technology of Plantation Crops	3(2+1)
PSMA 501	Production Technology of Plantation Crops-I	3(2+1)
PSMA 502	Production Technology of Plantation (Beverage) Crops-II	2(1+1)
PSMA 504	Production Technology of Minor, Seed and Tree spice Crops	2(1+1)
PSMA 503	Production Technology of Major Spice Crops	2(1+1)
PSMA 505	Production Technology of Medicinal and Aromatic crops	1(1+1)
PSMA 506	Breeding of Plantation, Spices, Medicinal and Aromatic crops	3(2+1)
PSMA 507	Processing of Plantation Crops, Spices, Medicinal and Aromatic crops	3(2+1)
PSMA 508	Organic Spice and Plantation crop Production Technology	2(1+1)

PSMA591	Master's Seminar	1(0+1)
PSMA 599	Master's Research(non-credit)	20(0+20)
PCP 601	Advances in Production Technology of Plantation crops-I	3(2+1)
PCP602	Advances in Production Technology of Plantation Crops-II	3(2+1)
PCP603	Advances in Breeding of Plantation Crops.	3(2+1)
PCP604	Advances in Processing of Plantation Crops.	3(2+1)
PCP605	Advances in Processing of Plantation Crops-II	3(2+1)
PCP606	Bio-technology of Plantation Crops	3(2+1)
PCP691	Doctoral Seminar-I	1(1+0)
PCP692	Doctoral Seminar-II	1(1+0)
PCP699	Doctoral Research (Non-credit)	45(0+45)

Department of Forestry

Course No.	Title	Credit	Associated teachers
FOR-501	Silviculture	2+0	Dr. A. N. Dey Ms. Vineeta
FOR-502	Forest Biometry	1+1	Ms. Vineeta Dr. N.A. Pala
FOR-503	Forest management	2+0	Dr. A. N. Dey Ms. Vineeta
FOR-506	Forest Resources management and Economics	1+1	Dr. G. Shukla Dr. N.A. Pala
FOR-507	Forest protection	1+1	Dr. G. Shukla Dr. N.A. Pala
FOR-510	Forest and People	2+0	Dr. N.A. Pala Dr. G. Shukla

FOR-504	Forest products - chemistry and industries	2+1	Dr. N.A. Pala Ms. Vineeta Dr. A. N. Dey
FOR-509	Tree Improvement	1+1	Dr. N.A. Pala Dr. G. Shukla
AF - 525	Economics of Agroforestry System	2+1	Dr. A. N. Dey Ms. Vineeta
AF – 526	Range Land and Pasture Management	2+0	Dr. N.A. Pala Ms. Vineeta
PT- 521	Seed Collection, storage and Testing	2+1	Dr. A. N. Dey Ms. Vineeta
EM – 522	Environmental Pollution	3+0	Dr. G. Shukla Dr. N.A. Pala Dr. A. N. Dey
FGR- 525	Forest Genetic Diversity and Conservation	3+0	Dr. G. Shukla Dr. A. N. Dey
FBM - 521	Forest Resource Analysis	3+0	Dr. N.A. Pala Dr. G. Shukla Ms. Vineeta

Students enrolment for post graduate degree programme during the year 2017-18

Degree Programme	Department	Intake capacity	Total Enrolment	
			Male	Female
M.Sc.	Vegetable and Spice Crops	4	3	1
Ph.D.	Vegetable and Spice Crops	4	3	1
M.Sc.	Floriculture, Medicinal & Aromatic Plants	8	1	0
Ph.D.	Floriculture, Medicinal & Aromatic Plants	4	3	1
M.Sc.	Forestry	6	3	1
Ph.D.	Forestry	6	1	1
M.Sc.	Pomology & Post Harvest Technology	5	4	1
Ph.D.	Pomology & Post Harvest Technology	2	1	0
M.Sc.	Plantation Crops and Processing	4	4	0
Ph.D.	Plantation Crops and Processing	2	1	0

The students who secured ICAR –NET during the academic year 2017-2018

PG Degree Programme	Name of the student
M.Sc	Riman Saha Chowdhury (H-2015-11-M)
M.Sc	Kshouni Das (H-2015-05-M)

Ph.D.	Bhaisare Pranali Tulshidas (H-2015-02-D)
Ph.D.	Adarsh Thapa (H-2015-1-D)
Ph.D.	Aradhana Sen- (H-2016-2-D)
M.Sc	Ms.Harshitha L. (H-2016-05-M)
M.Sc	Ms. Mingma Diki Sherpa (H-2016-07-M)

On Going External Funded Projects

Department	Title of the Project	Funding Agency	Fund Amount (Lakh)	PI and CoPIs	Status
POMOLOGY AND POST HARVEST TECHNOLOGY	Survey, documentation, collection & maintenance of Jackfruit (<i>Artocarpus heterophyllus</i> lorn) germplasm grown under the northern region of West Bengal	Institutional Project (UBKV)	2.54	PI: Dr. N Bhowmik. CoPI : Dr. A.Chakraborty, Dr. M.Preema Devi, Dr. R. Sarkar, Dr. M. R. Bhanusree, Ms. P. Bariely.	Continuing
FLORICULTURE, MEDICINAL AND AROMATIC PLANTS	Survey of pest and disease of medicinal plants in West Bengal	National Medicinal Plant Board, Ministry of AYUSH, Govt. of India	34.01	PI: Dr. Suprakash Pal CoPI : Dr. Indrajit Sarkar	Continuing
	Technology standardization for lab to land of Asiatic lily for development of tribal community in Terai-Dooars region of North Bengal under phase-I	West Bengal State Department of Science and Technology	1421175/-	PI- Dr. Soumen Maitra	Continuing
	Improving water use for dry season agriculture by marginal and Tenant farmers in the Eastern Gangetic plains	ACIAR - Australia	80,000 Australian Dollar	PI: Dr. Rupak sarkar CoPI: Dr Soumen Maitra	Continuing
	Establishment at a plant tissue culture unit for research, training and commercial QPM production at UBKV	Directorate of Research, UBKV,	2165000/-	PI: Dr. Soumen Maitra CoPI: Dr. N. Sharma Dr. M. Chakraborty	Continuing
FORESTRY	Standardization of Agrotechnology and Mass multiplication for production of quality seedlings of <i>Woodfordia fruticosa</i> , <i>Sida cordifolia</i> and <i>Desmodium</i>	National Medicinal Plant Board (NMPB), Govt. of India, New Delhi	23.985	PI: Miss Vineeta Co-PI: Dr. S. Chakravarty; Dr. G. Shukla; Dr. N. A. Pala;	Continuing

	<i>gangeticum</i>			Miss Swathi Kolukunde	
	Assessment of Ecosystem services in Home garden agroforestry systems in Sikkim and sub-Himalayan region of West Bengal (Extramural research)	SERB-DST Govt. of India/ 36.56825		PI-Dr. N. A. Pala, Co-PI: Dr G.Shukla Dr. S. Chakravarty	On-going
	Production of quality planting material of some important medicinal plants through identification, multiplication, supply of healthy elite genotype and capacity building programme for improving rural livelihood in Northern Parts West Bengal	National Medicinal Plant Board (NMPB), Govt. of India, New Delhi	40.34	PI: Dr. G. Shukla Co-PI: Dr. S. Chakravarty; Dr. N. A. Pala; Miss Vineeta Dr. P. S. Patra Dr. T. S. Ghimray	Continuing 11.05.2017
VEGETABLE SCIENCE	Centrally Sponsored Scheme -Mission for Integrated Development of Horticulture	Directorate of Arecanut and Spice Development , Govt. of India	Above 30 lacs (each financial year)	Dr. Ranjit Chatterjee, Acting as Co-P.I .	Continuing (2012 onward)
	AICRP on vegetable crops(as In-Charge)	ICAR-IIVR, Varanasi	-----	Dr. Ranjit Chatterjee, Acting as In-Charge, UBKV Centre	Continuing (2015 onward)
	Improving water use for dry season agriculture by marginal and tenant farmers in the Eastern Gangetic Plains (as Co-P.I.)	ACIAR, Australian Government	30 Lacs	Dr. Ranjit Chatterjee, Acting as Co-P.I .	Continuing (2015 onward)
	Centrally Sponsored Scheme -Mission for Integrated Development of Horticulture	Directorate of Arecanut and Spice Development , Govt. of India	Above 30 lacs (each financial year)	Dr. Suchand Datta, Dr. P.S Medda, Dr. R. Chatterjee, Dr. D.K. Murmu	Continuing (2012 onward)
	AICRP on Spices	Project Coordinator cell of ICAR-AICRP on Spices, ICAR-IISR, Kozhikode	Above 22 lacs (each financial year)	Dr. Suchand Datta, Acting as In-Charge and Horticulturist since 19.09.2014	Continuing (19.09.2014 onward)
	A study on exploration, Characterization and conservation of Brinjal (Solanum melongena) germplasm in Eastern India	UBKV	Above 5.5 lacs	Mr. Shibnath Basfore, Acting as Co-P.I .	Continuing (2015 onward)
	AICRP on Vegetables at UBKV, Pundibari	AICRP	-----	Mr. Shibnath Basfore, Acting as Co-P.I .	Continuing (2015 onward)

	Development of a PCR based Virus detection system for solanaceous vegetables in North Bengal.	UBKV	-----	Mr. Shibnath Basfore, Acting as Co-P.I .	Continuing (2016 onward)
	AICRP on Vegetables at UBKV, Pundibari	AICRP	----	Dr. Subhamoy Sikder, Acting as Co-P.I .	Continuing (2015 onward)
	A study on exploration, Characterization and conservation of Brinjal (Solanummelongena) germplasm in Eastern India	UBKV	Above 5.5 lacs	Dr. Subhamoy Sikder, Acting as Co-P.I .	Continuing (2015 onward)

Departmental Research Programme

DEPARTMENT	Title of the research Programme	Associated Teacher	Status
FORESTRY	Rejuvenation, gap filling and intercropping in <i>Albizia lebbeck</i> agroforestry stand	Dr Gopal Shukla	On-going
	Rejuvenation, gap filling and intercropping in <i>Terminalia arjuna</i> agroforestry stand	Dr. Nazir A. Pala	On-going
	Rejuvenation, gap filling and intercropping in Jarul agroforestry stand	Miss. Vineeta	On-going
	Moringa based agroforestry system for terai zone of West Bengal	Dr Gopal Shukla Dr. Nazir A. Pala Miss. Vineeta	On-going
	Effect of fertigation in growth attributes of <i>Elaeocarpus floribundus</i>	Dr. A. N. Dey	On-going
	Effect of different pretreatment methods on seed germination of <i>Terminalia chebula</i> and <i>Elaeocarpus floribundus</i>	Dr. A. N. Dey	On-going
	Development of Agar based agroforestry system	Dr. A. N. Dey	On-going
	Development of silvi-horticultural and silvipastoral system	Dr. A. N. Dey	On-going
FLORICULTURE, MEDICINAL AND AROMATIC PLANTS	Collection and maintenance of germplasm of Chrysanthemum	Dr. I Sarkar Dr. A. M. Khan Dr. S. Maitra	On-going
	Collection and maintenance of germplasm of China Aster	Dr. I Sarkar Dr. A. M. Khan Ms. S. Kolukunde Dr. S. Maitra	On-going
	Collection and maintenance of germplasm of Tuberose	Dr. I Sarkar Dr. S. Maitra	On-going

		Dr. A. M. Khan	
	Collection and maintenance of germplasm of Orchids	Dr. A. M. Khan Dr. I Sarkar Dr. S. Maitra	On-going
	Organic cultivation practices of marigold.	Ms. S. Kolukunde Dr. I Sarkar Dr. S. Maitra	On-going
	Value addition of flowers and ornamentals	Dr. A. M. Khan Dr. S. Maitra Dr. I Sarkar	On-going
POMOLOGY AND POST HARVEST TECHNOLOGY	Nutritional management and pre-harvest treatments on growth, yield and quality of pineapple	Dr. N. Bhowmick	Completed
	Value addition of jackfruit grown in Terai region of West Bengal and evaluation of its storage stability	Dr. N. Bhowmik	Completed
	Evaluation of quality and stability of lemon based blended nectar	Dr. M. Preema Devi Dr. P. K. Paul	Completed
	Studies on sodium substitution in pickle	Dr. P. K. Paul Dr. M. Preema Devi	Completed
	Effect of Paclobutrazol in Guava var. L-49	Dr. A. Chakraborty Dr. N. Bhowmick	Completed
	Effect of planting density and paclobutrazol on flowering and fruiting characteristics of Pineapple (<i>Ananas comosus</i> L. Merr) cv. Mauritius.	Dr. N. Bhowmick Dr. A. Chakraborty	Completed
	Role of pollen on fruit characteristics of selected guava genotype.	Dr. Aditi Chakraborty Dr. Nilesh Bhowmick	Completed
	Effect of Pre-harvest spray on shelf life quality of Strawberry.	Prof. P. K. Paul Dr. A. Chakraborty Dr. M. P. Devi	Completed
	Evaluation of physico-chemical characteristics of Jalpai (Indian olive) and Pummelo	Dr. N. Bhowmick	Completed
	Flowering and fruiting characteristics of mango and litchi	Dr. N. Bhowmick A. Chakraborty	Continuing
	Response of shoot pruning on growth, flowering and fruiting characteristics of guava (<i>Psidium guajava</i> L.) under Sub – Himalayan Terai Region of West Bengal.	Dr. Nilesh Bhowmick Dr. A. Chakraborty	Continuing
	Standardization of seed germination and stem cutting of <i>Baccaurea sapida</i> Muell. Arg.	Dr. A. Chakraborty Dr. Nilesh	Continuing

	Bhowmick	
Effect of Secondary Hardening media on field performance of banana (Musa AAB) cv. Malbhog.	Dr. Nilesh Bhowmick Dr. A. Chakraborty	Continuing
Effect of microbial isolates in removing ethylene for delayed ripening.	Prof. P. K. Paul Dr. M. Preema Devi	Continuing
Quality assessment of dried chrysanthemum flower as affected by pre drying and storage condition.	Dr. M. Preema Devi Prof. P. K. Paul	Continuing
Effect of plant population and mulching on strawberry (<i>Fragaria ananassa</i>) cultivation under Terai Region of West Bengal.	Dr. Sharad Gurung Prof. P. K. Paul Dr. A. Chakraborty	Continuing
Effect of pruning and nutrient management on the performance of acid lime (<i>Citrus aurantifolia</i> Swingle) cv. Balaji under Sub-Himalaya Terai Region of West Bengal.	Dr. S. Gurung Dr. N. Bhowmick	Continuing

Extension

Training Programme Organised

Title	Date	Co-ordinator/ Associated Teacher
Inclusion of vegetable and spice crops in kitchen garden	18.01.2018	Dr. Suchand Datta
Increasing farmers income through inclusion of farmers income	11to 12 th January 2018	Dr. Suchand Datta
One month (200 hours) Agriculture Skill Council of India sponsored Skill development training of unemployed youth on vermicompost Producer held at UBKV, Pundibari.	02-02-2018 to 06-03- 2018	Dr. Ranjit Chatterjee

Title	Date	Co-ordinator/ Associated Teacher
One day Awareness-cum-Training Programme on Medicinal Plants Cultivation and Conservation” Under UBKV at Mathabhanga on 18-02-2018, UBKV, Pundibari on 20-02-2018, RRS (HZ), Kalimpong on 22-02-2018 and DakshinDinajpur KVK, Majhian on 26-03-2018.	18-02-2018, 20-02-2018 22-02-2018, 26-03-2018	Dr. S. Chakravarty, Dr. G. Shukla, Dr. N. A. Pala, Miss. Vineeta

Radio Talk

Topic	Resource Person
Expert for Live Phone in programme ‘Uttar Bange Lavjanak Phuler Chas’ (on PrasarBharati, Broadcasting Corporation of India, All India Radio, Siliguri in regional language (Bengali). Date of broadcast : 22.02.2018	Dr. S. Maitra

Publications

Papers Published In Scientific Journals

1. Thokchom, R. and Maitra, S. (2017). Micropopagation of *Anthurium andreanum* cv. Jewel from leaf explants. *Journal of Crop and Weed*. ISSN: P-0974-6315/E-2349-9400. 13(1):23-27.
2. Thokchom, R., Maitra, S. and Sharma, S. (2017). *In vitro* mass propagation of endangered terrestrial orchid -*Phaiustankervilliae* (L' Her.) Blumethroygh green seed pod culture. *International Journal of Current Microbiology and Applied Sciences*. ISSN: 2319-7706. 6(5):722-728.
3. Swathi, K., Maitra, S. and Sarkar, I. (2017). Influence of temperature and embedding media on production of quality dry flowers of African Marigold cv. Pusa Narangi Gainda. *Plant Archives*. ISSN 0972-5210. 17(2):911-915.
4. Sharma, S. and Sarkar, I. (2018) Influence of pulsing and holding solutions in vase life of gladiolus cv. American Beauty. *Int. J. Chem. Studies*. 6 (2): 2471-74.
5. Khangarakpam, G and Maitra, S. (2017). Specialty cut flower: a new panorama of Indian floriculture. *Innovative Horticulture Concepts for Sustainable Development, Recent Trends, Vol. – II* [Ed(s) – Deb, P., Bhowmick, N., Munsi, P. S. and Ghosh, S. K.]. New Delhi Publishers, New Delhi, India. pp.- 109-116. ISBN: 978-93-86453-075.
6. Swathi, K., Sarkar, I., Maitra, S. and Sharma, S. (2017). Organic manures and bio-inoculants mediated influence on growth and flowering of African Marigold(*Tagetes erecta* L.) cv. PusaNarangiGainda. *International Journal of*

Bio-resource and Stress Management. 8(3): 429-432. Doi: [HTTPS://DOI.ORG/10.23910 /IJBSM/2017.8.3.1690](https://doi.org/10.23910/IJBSM/2017.8.3.1690)

7. Maitra, S. and Gantait, S. S. (2018). Landscaping and gardening ornamentals: an alternative source of essential oils. Proceedings of the *National Symposium on Floriculture and Urban Horticulture in Global Perspective (NASRAFUH - 18)*, organized by Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India on 4-5 January, 2018 at Kalyani, Nadia, West Bengal. pp. 344-349. ISBN – 978-93-85883-65-1.
8. Moirangthem, A., Maitra, S., Heisnam, P. and Devi, N. M. (2018). Comparative performance of different Tuberose (*Polianthes tuberosa* L.) genotypes on flower spike yield under Sub-Himalayan Terai region of West Bengal. Proceedings of the *National Symposium on Floriculture and Urban Horticulture in Global Perspective (NASRAFUH - 18)*, organized by Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India on 4-5 January, 2018 at Kalyani, Nadia, West Bengal. pp. 86-88. ISBN – 978-93-85883-65-1
9. Mandal, M., Maitra, S. and Sarkar, I. (2018). Effect of benzyl adenine on production of African Marigold (*Tagetes erecta* L.) cv. PusaNarangiGainda. Proceedings of the *National Symposium on Floriculture and Urban Horticulture in Global Perspective (NASRAFUH - 18)*, organized by Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India on 4-5 January, 2018 at Kalyani, Nadia, West Bengal. pp. 140-143. ISBN – 978-93-85883-65-1.
10. Arpita Mandal Khan, Ram Pal and Singh, D.R (2018) Value added packaging of single Cymbidium flowers –A technology for augmenting farmers’ income. Proceedings of *National Conference on Floriculture for Rural and Urban Prosperity in the Scenario of Climate Change*, Feb-16-18, 2018, Ranipool, Sikkim.
11. Sarkar, A., Biswas, S., Malakar, M. and Maitra, S. (2018). Effect of 8-HQC based vase solutions on the post-harvest life of cut flowers of different *Heliconia* species. Proceedings of the *National Symposium on Floriculture and Urban Horticulture in Global Perspective (NASRAFUH - 18)*, organized by Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India on 4-5 January, 2018 at Kalyani, Nadia, West Bengal. pp. 395-398. ISBN – 978-93-85883-65-1.
12. Chakraborty, S., **Datta S.**, Debnath A and Roy M K. (2018) Evaluation of some important ginger genotypes in terai region of West Bengal. *International Journal of Science, Environment and Technology*, 7(2) : 715 – 722.
13. Chatterjee Ranjit, Gajjela Somashekar and Thirumdasu Ravi Kiran. 2017. Recycling of Organic Wastes for Sustainable Soil Health and Crop Growth. ***International Journal of Waste Resources*** 7(3): 296-304 (doi: 10.4172/2252-5211.1000296).
14. **Datta, S.**, Jana, J. C., Bhaisare, P. T. and Nimbalkar, K. H. (2017) Effect of organic source of nutrients and biofertilizers on growth, yield and quality

- of turmeric (*Curcuma longa* L.) *Journal of Applied and Natural Science* 9 (4): 1981 – 1986.
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