

**Annual Report**  
**2016-17**



**VEGETABLE AND SPICE CROPS**  
**Uttar Banga Krishi Viswavidyalaya**  
**Pundibari : Cooch Behar**

## DEPARTMENT OF VEGETABLE & SPICE CROPS

**UTTAR BANGA KRISHI VISWAVIDYALAYA**

**PUNDIBARI: COOCH BEHAR, WEST BENGAL**

### ANNUAL PROGRESS REPORT: 2016-2017

(01.04.2016 to 31.03.2017)

#### CONTENTS

<i>Sl. No.</i>	<i>Particulars</i>	<i>Page No.</i>
<b>1</b>	<b>Staffs</b>	<b>1</b>
<b>2</b>	<b>Teaching activities</b>	<b>2</b>
<b>2a</b>	<b>Academic courses</b>	<b>2</b>
	U. G. courses	2
	P. G. courses	2
	M. Sc. Courses	2
	Ph. D. courses	3
<b>2b</b>	<b>P.G. Degree oriented research guidance/ supervision</b>	<b>3</b>
	M. Sc. Students	3
	Ph. D. students	4
<b>2c</b>	<b>Examination duties assigned and performed</b>	<b>4</b>
<b>3</b>	<b>Research activities</b>	<b>4</b>
<b>3a</b>	On-going field trials	4
<b>3b</b>	Research projects/ schemes handled	5
<b>3c</b>	Research achievement	5
<b>3d</b>	Paper presented in conferences	6
	Full paper in conference/seminar proceedings	6
	Published papers in Journals	6
	Book published	7
<b>4</b>	Extension activities	7
<b>4a</b>	Invited lectures in farmers training	7
<b>5</b>	Faculty upgradation	7
<b>5a</b>	Seminar/ symposium attended	7
<b>5b</b>	Seminar/ symposium organised	8
<b>5c</b>	Faculty development training received	8
<b>6</b>	Member of admission/library committee	8
<b>7</b>	Educational tour	9
<b>8</b>	RAWE/RHWE	9
<b>9</b>	<b>Professional development activities</b>	<b>9</b>
<b>9a</b>	P. G. thesis evaluation of other universities	9
<b>9b</b>	Member of professional societies	9
<b>9c</b>	Membership/participation in State/Central bodies	9
<b>10</b>	<b>Additional responsibilities</b>	<b>9</b>

## 1. STAFFS:

### TEACHER/FACULTY MEMBERS

<b>Name</b>	: <b>Dr. JAGADISH CHANDRA JANA</b>
<b>Designation</b>	: Professor
<b>Joining date (Asstt. Prof.)</b>	: 31.12.1997
<b>Contact address</b>	: Bamanpara, West Khagrabari Road, Cooch Behar, West Bengal-736101 Ph: 9475832372 (M) Fax: 03582270157 e-mail: janajc@rediffmail.com

<b>Name</b>	: <b>Dr. RANJIT CHATTERJEE</b>
<b>Designation</b>	: Associate Professor and Head
<b>Joining date (Asstt. Prof)</b>	: 11.12.2001
<b>Contact address</b>	: Cooch Behar, West Bengal-736101 Phone: 09434197862 (M) Fax: 03582-270157 e-mail: ranchat22@rediffmail.com

<b>Name</b>	: <b>Dr. SUCHAND DATTA</b>
<b>Designation</b>	: Associate Professor in RRS, Terai Zone
<b>Joining date (Asstt. Prof)</b>	: 10.12.2001
<b>Contact address</b>	: Gunjabari, Cooch Behar, West Bengal-736101 Phone: 9434228494 (M) Fax: 03582-270157 e-mail: suchanddatta@rediffmail.com

<b>Name</b>	: <b>Mr. SHIBNATH BASFORE</b>
<b>Designation</b>	: Assistant Professor
<b>Joining date (present post)</b>	: 02.06.2014
<b>Contact address</b>	: New Town, Cooch Behar, West Bengal-736165 Phone: 9641319674 Fax: 03582270157 E-mail : shibnathbckv@gmail.com

<b>Name</b>	: <b>Dr. SUBHAMOY SIKDER</b>
<b>Designation</b>	: Assistant Professor
<b>Joining date (present post)</b>	: 05.05.2015
<b>Contact address</b>	: Shibjaggo Road, Cooch Behar, West Bengal-736165 Phone: 8436956667 Fax: 03582270157 E-mail : subhamoy.sms@gmail.com

### NON-TEACHING MEMBERS

Sl. No	Name	Address & Contact Number	Designation	Date of Joining
1	Ms. Sapna Rabha	Pundibari, Dist – CoochBehar, 03582-270200	Jr. Lab. Attendant Gr-III	03.11.2014
2	Mr. Bhola Ram Das	P.O. –Pundibari, Dist – CoochBehar, 09434936041	Sr. Peon	23.09.2016

## 2. TEACHING ACTIVITIES

### 2a. Academic courses

**A. Odd semester**

Term/ Semester	Course code	Course title	Credit hour	Course instructor(s)
<b>U G Courses</b>				
1 <sup>st</sup> Hort.	PPT-101	<b>Fundamentals of Horticulture</b>	2+1	Dr. Ranjit Chatterjee (under PPHT)
3 <sup>rd</sup> Hort.	VSC-201	<b>Temperate Vegetables</b>	1+1	Dr. Subhamoy Sikder Dr. Ranjit Chatterjee Mr. Shibnath Basfore
3 <sup>rd</sup> Hort.	VSC 202	<b>Potato and Tuber Crops</b>	1+1	Mr. Shibnath Basfore Dr. J.C.Jana Dr. Suchand Datta
3 <sup>rd</sup> Ag.	VSC 203	<b>Production Technology of Vegetables and Flowers</b>	2+1	Mr. Shibnath Basfore Dr. Ranjit Chatterjee, Dr. Subhamoy Sikder
5 <sup>th</sup> Hort.	VSC 301	<b>Breeding of Vegetable, Tuber and Spice Crops</b>	2+1	Dr. Subhamoy Sikder Mr. Shibnath Basfore Dr. Ranjit Chatterjee
7 <sup>th</sup> Hort.		<b>Experiential Learning</b>	0+20	Mr. Shibnath Basfore
<b>P G Courses</b>				
1 <sup>st</sup> M.Sc.	VSC 501*	<b>Production Technology of Cool season Vegetable Crops</b>	2+1	Dr. Subhamoy Sikder Dr. Ranjit Chatterjee Mr. Shibnath Basfore
1 <sup>st</sup> M.Sc.	VSC 504*	<b>Growth and Development of Vegetable Crops</b>	2+1	Dr. Ranjit Chatterjee Mr. Shibnath Basfore
1 <sup>st</sup> M.Sc.	VSC 506	<b>Systematics of Vegetable Crops</b>	1+1	Dr. Ranjit Chatterjee Mr. Shibnath Basfore
1 <sup>st</sup> M.Sc.	VSC 510*	<b>Production Technology of Spice Crops</b>	2+1	Dr. Suchand Datta Mr. Shibnath Basfore
3 <sup>rd</sup> M.Sc.	VSC 503*	<b>Breeding of Vegetable Crops</b>	2+1	Dr. Ranjit Chatterjee Mr. Shibnath Basfore Dr. Subhamoy Sikder
3 <sup>rd</sup> M.Sc.	VSC 507	<b>Production Technology of Under exploited Vegetable Crops</b>	1+1	Mr. Shibnath Basfore Dr. Ranjit Chatterjee Dr. Suchand Datta
3 <sup>rd</sup> M.Sc.	VSC 508	<b>Organic Vegetable Production Technology</b>	1+1	Dr. Ranjit Chatterjee Mr. Shibnath Basfore
1 <sup>st</sup> Ph.D.	VSC 601**	<b>Advances in Vegetable Production</b>	2+1	Dr. Ranjit Chatterjee Dr. Subhamoy Sikder
1 <sup>st</sup> Ph.D.	VSC 607**	<b>Advances in Spice Production</b>	2+1	Dr. Suchand Datta Dr. Ranjit Chatterjee
3 <sup>rd</sup> Ph.D.	VSC 603**	<b>Protected Cultivation of Vegetable Crops</b>	1+1	Dr. Ranjit Chatterjee Dr. Subhamoy Sikder
3 <sup>rd</sup> Ph.D.	VSC 605	<b>Seed Certification, Processing and Storage of Vegetable Crops</b>	1+1	Dr. Ranjit Chatterjee Dr. Subhamoy Sikder
3 <sup>rd</sup> Ph.D.	VSC 691	<b>Doctoral Seminar</b>	1+0	Dr. Ranjit Chatterjee
		<b>Thesis Synopsis Formulation Seminar for M.Sc. and Ph.D.</b>	NC	Mr. Shibnath Basfore- M.Sc. Dr. Subhamoy Sikder- Ph.D.

**B. Even Semester**

Sl No	Name of the Course	Term/ Semester [B.Sc.(Hort.)]	Course No	Course Instructors	Course Leader
<b>U G Courses</b>					
1	<b>Tropical and subtropical vegetables</b>	2 <sup>nd</sup>	VSC-151( 2+1)	Dr.S. Sikder and Mr. S. Basfore	Dr.S. Sikder
2	<b>Spices and condiments</b>	4 <sup>th</sup>	VSC 251( 1+1)	Dr. S Datta and Dr R Chatterjee	Dr. S Datta

3	<b>Seed production of vegetable, tuber and spice crops</b>	6 <sup>th</sup>	VSC 351( 2+1)	Mr. S. Basfore Dr.S. Sikder, Dr R Chatterjee	Mr. S. Basfore
4	<b>Production technology of spices, medicinal, aromatic and plantation crops</b>	6 <sup>th</sup> (Ag)	VSC 352( 2+1)	Dr. S Datta	Dr. S Datta
5	<b>Principles of horticultural crops and plant protection</b>	2 <sup>nd</sup> (B. Tech)	HOR 152 (1+1)	Prof. J. C. Jana,	Prof. J. C. Jana
<b>P G Courses</b>					
6	<b>Production technology of warm season vegetable crops</b>	M.Sc-2 <sup>nd</sup>	VSC 502(2+1)	Dr. R.Chatterjee , Dr.S. Sikder, Mr. S.Basfore	Dr. R.Chatterjee
7	<b>Seed production technology of vegetable crops</b>	M.Sc-2 <sup>nd</sup>	VSC 505 (2+1)	Mr. S. Basfore Dr.S. Sikder	Mr. S. Basfore
8	<b>Breeding of spices</b>	M.Sc-2 <sup>nd</sup>	VSC 511(2+1)	Dr. S Datta and Dr R Chatterjee	Dr. S Datta
9	<b>Processing of spices</b>	M.Sc-4 <sup>th</sup>	VSC 512(1+1)	Dr. S Datta and one teacher from PCP	Dr. S Datta
10	<b>Masters Seminar</b>	M.Sc-4 <sup>th</sup>	VSC 591(1+0)	Dr.S. Sikder	Dr.S. Sikder
<b>Ph.D. Courses</b>					
11	<b>Advances in breeding of vegetable crops</b>	PhD-2 <sup>nd</sup>	VSC 602 (2+1)	Dr.S. Sikder and Dr. J.C. Jana	Dr.S. Sikder
12	<b>Advances in breeding of spice crops</b>	PhD-2 <sup>nd</sup>	VSC 608 (2+1)	Dr. S Datta and Dr R Chatterjee	Dr. S Datta
13.	<b>Ph.D. Seminar</b>	PhD-6 <sup>th</sup>	VSC 691(1+0)	Dr.S. Sikder	Dr.S. Sikder

## 2b. P.G. Degree oriented research guidance/ supervision

### M. Sc. Students

Sl No	Name	Chairman	Thesis title	Year of completion
1	Shubhrajyoti Saha (H-2014-12-M)	Dr. Ranjit Chatterjee	Effect of different organic nutrients sources on growth, yield and quality of Lettuce ( <i>Lactuca sativa</i> L.)	Awarded, 2016
2	Vijay Kumar. S (H-2014-14-M.)	Dr. Suchand Datta	Performance of garden pea ( <i>Pisum sativum</i> var. <i>hortense</i> ) varieties under conventional and organic nutrient sources.	Awarded, 2016
3	Aradhana Sen ( H-2014-02-M)	Prof. J. C. Jana	Effect of integrated use of organic and inorganic sources of nutrient on growth, yield and quality of cumin black ( <i>Nigella sativa</i> L.)	Awarded, 2016
4.	Kshouni Das (H-2015-05-M)	Dr. Suchand Datta	Studies of the varietal performance of french bean( <i>Phaseolus vulgaris</i> ) under the terai zone of West Bengal.	Continuing

5.	Monika Kumari (H-2015-09-M)	Prof. J. C. Jana	Effect of lime and boron on growth and yield of sprouting broccoli.	Continuing
6.	Pinkey Dukpa (H-2015-10-M)	Dr. Ranjit Chatterjee	Soil and foliar iron fertilization on ter water spinach ( <i>Ipomoea reptans Poir.</i> ) for biofortification	Continuing
7.	Riman Saha Chowdhury (H-2015-11-M)	Prof. J. C. Jana	Effect of calcium, magnesium, sulphur, zinc and boron on growth and yield of potato	Continuing

#### Ph. D. students

Sl no.	Name	Chairman	Thesis title	Year of Completion
1.	Dipika Mal (H-2012-3-D)	Dr. Suchand Datta	Performance of cowpea ( <i>Vigna unguiculata</i> (L.) Walp.) varieties for yield, quality and tolerance to cowpea mosaic virus under conservation agriculture in rice-wheat cropping system.	Awarded, 2016
2	Ravi kiran Thirumdasu (H-2014-3-D)	Dr. Ranjit Chatterjee	Evaluation of pumpkin genotypes for growth, yield and fruit quality under eastern Himalayan region.	Continuing
3	Mumtak Lego (H-2014-2-D)	Prof J.C. Jana	Studies on quality planting material of ginger by using single sprout bud.	Continuing
4	Adarsh Thapa (H-2015-1-D)	Dr. Suchand Datta	Effect of growing media and variety on the serpentine layering of Black Pepper.	Continuing
5	Bhaisare Pranali Tulshidas (H-2015-02-D)	Dr. Suchand Datta	Effect of de-topping and time of sowing on growth, yield and quality of okra.	Continuing
6	Somashekar Gajjela (H-2015-4-D)	Dr. Ranjit Chatterjee	Studies on effect of liquid organic manures on bitter gourd ( <i>Momordica charantia</i> L.)	Continuing
7	Aradhana Sen- (H-2016-2-D)	Dr. Ranjit Chatterjee	Studies on the impacts of different trellis systems, bio-mulch and organic nutrient sources on performance of ridge gourd ( <i>Luffa acutangula</i> L. Roxb).	Continuing
8	Sushmita Subba- (H-2016-6-D)	Prof J.C. Jana	Studies on comparative assessment of conventional and organic nutrient management on crop growth, yield and soil fertility in sprouting broccoli-okra-amaranthus sequence.	Continuing

### 2c Examination duties assigned and performed

Sl. No.	Type of duties	Course	Teacher
1	Invigilation:	UG Courses	Dr. Subhamoy Sikder Mr. Shibnath Basfore Dr. Suchand Datta Dr. Ranjit Chatterjee
2	Evaluation:	End term practical of UG and PG courses	Dr. R Chatterjee, Dr.S Datta Dr. Subhamoy Sikder Mr. Shibnath Basfore
3	Question-paper setting:		
4	Internal/Continuous Assessment:	Mid term UG courses and mid term and end term PG courses	Dr. J.C. Jana, Dr. R Chatterjee, Dr.S Datta and Dr. Subhamoy Sikder Mr. Shibnath Basfore
5	Exam Coordination Cell:	Member Examination committee	Dr.Ranjit Chatterjee

### 3. Research activities

#### 3a. On-going field trials

Sl No.	Title	Nature of Programme	Associated Teacher	Status
1	Source-Sink relationship in Ginger	Research	Dr. Suchand Datta	On going
2	Evaluation of brinjal germplasm	Research	Mr. Shibnath Basfore	On going

#### 3b. Research projects/ schemes handled

Sl. No.	Title	Funding Agency	Period	Output/Impact, i.e. book/paper /technology/ programme	Grant/Amount mobilized (so far) Rs. In lakhs	Name of associated scientist and Whether Principal Investigator/ Coinvestigator
1	Mission for integrated Development of Horticulture	Directorate of Arecanut and Spice Development, Calicut	2002 to till date	Production and distribution of spices planting material and Transfer of technology through training and FLD	50.80 lakh in 2016-17	PI : Dr. S. Datta Co-PI : Prof. J. C. Jana and Dr. Ranjit Chatterjee.
2	AICRP on Spices	ICAR	1994 to till date	Research programme on Turmeric, Ginger and Black pepper	25.00 lakh	Dr. S. Datta act as In-Charge and Horticulturist

3	Improving water use for dry season agriculture by marginal and tenant farmers in the Eastern Gangetic Plains (as Co-P.I.)	ACIAR, Australian Government	2014 to till date	Vegetable production technology under dry season for the marginal tenant farmers	30.00 Lakhs	Dr. Ranjit Chatterjee
4	Molecular and morphological diversity analysis of cucurbits of Garo Hills, Meghalaya (as P.I. of Collaborative Institute)	DBT, Govt. of India	2015-2017	Evaluation and Identification of pumpkin germplasm	42.81 Lakhs	Dr. Ranjit Chatterjee
5.	AICRP on Vegetable crops	ICAR-IIVR	2015 to till date	IET, IVT-1 and IVT-2 trails on Brinjal and Chilli	---	Dr. Ranjit Chatterjee Dr. Subhamoy Sikder Mr. Shibnath Basfore

### 3c. Research achievements

#### Research publications

##### Published papers in Journals

Das B., **Sikder S.**, Debnath A., Yonzone R., Kundu S. and Das A (2017). Genetic divergence in tomato under alluvial zone of West Bengal. *Journal of Hill Agriculture* 8(1): 21-25 (ISSN: 0976-7606)

Bandyopadhyay, S., Chakraborty, **S.**, **Datta**, S., Debnath, A., Roy, M. K. Haque, S. (2016) Conservation and evaluation of turmeric germplasm in terai zone of West Bengal. *Ecology, Environment and Conservation*, 22(April suppl.) : S299-S302. [ISSN 0971-765X]

Chakraborty, S., **Datta S.**, Debnath A., Bandopadhyay S., Roy M.K. and Haque S. (2016) Evaluation of turmeric germplasm for tolerance to foliar diseases in terai region of West Bengal. *International Journal of Agricultural Science and Research (IJASR)* 6(4) : 2016, 61-68.



- Chakraborty,S., **Datta S.**, Debnath A., Bandopadhyya S., Roy M.K. and Haque S.(2017). Evaluation of some turmeric genotypes in terai Region of West Bengal *International Journal of Science, Environment and Technology*, 6(2) : 1065 – 1070 ISSN 2278-3687 (O) 2277-663X (P)
- Datta, S.** and **Jana, J. C.** (2016) Growth, yield and important quality attributes of chilli (*Capsicum annuum* L.) under Sub Himalayan tracts of West Bengal. *Indian Journal of Horticulture*, 73 (1) : 66-73. [ISSN 0972-8538].
- Dipika Mal and **Ranjit Chatterjee.** (2016). Residual effect of vermicompost and inorganic fertilizers of sprouting broccoli (*Brassica Oleracea* L. var. *italica* Plenck.) on succeeding cowpea (*Vigna unguiculata* L. Walp.) pod yield and soil fertility in eastern Himalayan region, *Green farming* 7 (1): 148-151.(ISSN 0974-0775).
- Islam, S., **Datta S.** and **Chatterjee, R.** (2016) Influence of the planting date on the performance of cauliflower (*Brassica oleracea* var. *botrytis* L.) varieties under terai region of West Bengal, India. *International Journal of Bioresource and Stress Management*, 7(3) : 426-431. [ISSN : 0976-3988].
- Jana, J. C., Datta, S.,** Bhaisare, P. and Thapa, A. (2017) Effect of Organic, Inorganic Source of Nutrients and *Azospirillum* on Yield and Quality of Turmeric (*Curcuma longa* L.). *Int.J.Curr.Microbiol. App. Sci.*, 6(2) : 966-970.
- Konar, S., **Chatterjee, R** and **Datta, S.** (2016) Impact of Microbial Inoculants on the Performance of Bell Pepper (*Capsicum annuum* L.) Varieties under Foot Hills of Eastern Himalayan Region. *Int.J.Curr.Microbiol.App.Sci.*, 5(9) ): 131-138.
- Saha Chowdhury R. and **Sikder S.** (2017). Study the Manifestation of Growth and Yield Attributes of Broccoli through Application of Boron, Molybdenum, Zinc and their Combination Treatments in Teraiagro-Ecological Region of West Bengal. *Current Agriculture Research Journal* 5(3): 1-5 (ISSN: 2347-4688)
- Chatterjee, R** and Mal D. (2016). Influence of Seedling Raising Method and Nutrient Sources on Seedling Growth and subsequent Performance of Cabbage (*Brassica oleracea* var. *capitata* L.). *Journal of Environmental and Agricultural Sciences* 9:15-20(ISSN:2313-8629).z
- Ranjit Chatterjee,** Partha Choudhuri and Ravi Kiran Thirumdasu. 2016. Uptake and availability of major nutrients in cabbage crop amended with organic and inorganic nutrient sources under eastern Himalayan region, *Journal of Basic and Applied Research international* 15(2): 100-105, International Knowledge Press, Manchester, United Kingdom, Europe (ISSN: 2395-343).

**Ranjit Chatterjee**, Rimani S Chowdhury, Pinkey Dukpa and Ravi Kiran Thirumdasu. 2016. Iron fortification in leafy vegetables: present status and future possibilities. *Innovare Journal of Agricultural Sciences*, 4(4):1-3 (ISSN:2321-6832).

**Ranjit Chatterjee**, Sagar Koner and **Suchand Datta**. 2016. Impact of microbial inoculants on the performance of bell pepper (*Capsicum annuum* L.) varieties under foot hills of eastern Himalayan region. *International Journal of Current Microbiology and Applied Sciences*, 5(9):131-138 (ISSN:2319-7706).

Islam S., **Datta S.** and **Ranjit Chatterjee**. 2016. Influence of planting date on performance of Cauliflower (*Brassica oleracea* var. *botrytis* L.) varieties at terai region of West Bengal, *International Journal of Bio-resource and Stress Management*, 7(3):426-431 (ISSN:0976-3988).

Thapa A, **Choudhuri P**, **Chatterjee Ranjit** and Thirumdasu Ravi Kiran. 2016. Intercropping advantages of Garlic (*Allium Sativum* L.) under eastern himalayan foothills region. **The Bio Scan**, 11(2): 1361-1363 (ISSN:2319-7706).

**Book published :**

Sl. No.	Title with page number	Book title, editor & publisher	ISBN/ISSN no	Whether peer reviewed/ impact factor	No of co-author	Whether main author
1	Microbial Inoculants in Organic Vegetable Production: Current Perspective.	<i>Microbial Strategies for Vegetable Production</i> , Edited by A. Zaidi and M.S. Khan, Springer International Publishing AG 2017	DOI 10.1007/978-3-319-54401-4_1	Peer reviewed	Main author: Ranjit Chatterjee Co-author: 2	Yes

**4. Extension activities**

**4a. Invited lectures in farmers training**

Sl. No.	Subject	Teachers	Venue	Date
1	Improved production technology of Spice	Dr. S. Datta	ADA Office , Mathabhanga	06.03.2017
2	Spice, Medicinal and Aromatic Plants Development in Terai Zone of West Bengal.	Dr. S. Datta	UBKV, Punibari	26-27 <sup>th</sup> August, 2016
3	Preparedness for Certified Organic Spice Production in the State level	Dr. Ranjit Chatterjee	UBKV RRSS Old Alluvial	16-17 <sup>th</sup> December, 2016

	seminar on Development of Spices, Medicinal and Aromatic Plants and its Industries in North Bengal under MIDH Scheme		Zone, Malda	
4.	Organic cultivation of spices and medicinal plants	Dr. Ranjit Chatterjee	UBKV under MIDH Scheme	28-08-2016
5.	Vegetable cultivation for farmers prosperity	Dr. Ranjit Chatterjee	ICAR-CPCRI, Mohitnagar	21-10-2016
6.	Zero budget Natural farming	Dr. Ranjit Chatterjee	Devine farming farmers club, Telipara, Alipurduar	27-10-2016
7.	Preparation of vermicompost from kitchen wastes	Dr. Ranjit Chatterjee	BT and Evening College, Coochbehar.	14-12-2016
8.	Technological Improvement in vegetable crops	Dr. Ranjit Chatterjee	Krishi mela, ADA Office, Kumargram, Govt.of West Bengal	28-01-2017
9.	Nutrient management in organic spice cultivation	Dr. Ranjit Chatterjee	UBKV under MIDH Scheme, Dinhata	05-03-2017

## 5. Faculty Up gradation

### 5a. Seminar/ symposium/workshop/conference attended

National, international, state and district level symposium / conference /seminar/ workshop/trainings etc. attended

#### National and International attended by By Dr. Suchand Datta

SL. No.	Seminar/ Symposium/ Workshop/ Training	Year	Organizing Institute	Title of the Seminar/ Symposium/ Workshop/ Training	Duration	Attended as
1	International Conference	2016	CWSS, BCKV, Kalyani	Agriculture, Food Science, Natural Resource Management and Environmental Dynamics: The Technology, People and Sustainable Development	13-14 <sup>th</sup> August, 2016	Participated and presented paper
2	National Conference	2016	DASD, Calicut	Planting Material Production on Spices	21-22 April, 2016	Participated and presented paper

SL. No.	Seminar/ Symposium/ Workshop/ Training	Year	Organizing Institute	Title of the Seminar/ Symposium/ Workshop/ Training	Duration	Attended as
3	State Level seminar	2016	UBKV, RRSS, OAZ, Manichak	Development of Spices, Medicinal and Aromatic Plants and Its Industries in North Bengal	December 16-17, 2016.	Organizer and presented paper
4	State Level seminar	2016	UBKV, RRS, OAZMajhian	Horticulture Entrepreneurship Development in North Bengal	March, 03-04, 2016	Organizer and presented paper

**National and International attended by By Dr. Ranjit Chatterjee**

SL. No.	Seminar/ Symposium/ Workshop/ Training	Year	Organizing Institute	Title of the Seminar/ Symposium/ Workshop/ Training	Duration	Attended as
1.	Annual workshop	2106	Division of Vegetable Science, IARI, New Delhi.	Annual workshop/group meeting of AICRP on vegetable crops (10-13 <sup>th</sup> May,2016)./group meeting of AICRP on vegetable crops (10-13 <sup>th</sup> May,2016).	4 days	Resource person
2	Training	2017	Division of Agronomy, IARI, New Delhi.	Model training course (MTC) on Recent Innovations in Organic Farming sponsored by Ministry of Agriculture and Farmers welfare, Govt. of India ( 2-9 <sup>th</sup> January,2017).	8 days	Participant
3	Workshop	2017	UBKV Pundibari	Sensitization workshop on Experiential learning, Entrepreneurship and Needs of Agro-Industries (28 <sup>th</sup> Feb to 01 <sup>th</sup> March,2017) jointly organized by UBKV and ICAR-NAARM, Hyderabad.	2 days	Participant
4	Training	2017	Coochbehar Polytechnic college, Coochbehar	Capacity Building on e-Waste Management (08 <sup>th</sup> March,2017) organized by NIELIT, Govt of India and Coochbehar Polytechnic college	1 days	Participant

**National and International attended by By Mr. S. Basfore**

SL. No.	Seminar/ Symposium/ Workshop/ Training	Year	Organizing Institute	Title of the Seminar/ Symposium/ Workshop/ Training	Duration	Attended as
1	CAFT Training	2016	IASRI, New Delhi	Advances in Experimental Data Analysis	6-26 oct. 2016	Participated
2	State Level seminar	2016	UBKV, RRSS, OAZ, Manichak	Development of Spices, Medicinal and Aromatic Plants and Its Industries in North Benga	December 16-17, 2016.	Organizer and presented paper
3	Workshop	2016	UBKV Pundibari	Food security and climate change in india	5 Dec 2016	As resource person

**National and International attended by By Dr. Sikder**

SL. No.	Seminar/ Symposium/ Workshop/ Training	Year	Organizing Institute	Title of the Seminar/ Symposium/ Workshop/ Training	Duration	Attended as
1	Workshop	2016	UBKV Pundibari	Food security and climate change in india	5 Dec 2016	As resource person

**5b.Seminar/ symposium/workshop/conference organized**

- Organized State Level seminar under MIDH Scheme at RRS, OAZ, UBKV, Majhian from 03-04 March, 2016 by Dr. S Datta
- Organized State Level seminar under MIDH Scheme at RRSS, OAZ, UBKV, Manikchak from 16-17<sup>th</sup> December, 2016 by Dr. S Datta

**5c.Faculty development training received**

Sl. No.	Subject/Title	Teachers	Venue	Date
1.	Training of Trainers (TOT) Skill Development Programme under PMKVY-Skill India scheme	Dr. Ranjit Chatterjee	Division of Extension Education, IARI, New Delhi.	3 days ( 21-23 <sup>rd</sup> August, 2017).

### 6. Member of admission/library committee

Dr. J. C. Jana, Dr. R. Chatterjee and Dr. S. Sikder acted as member of admission committee.

### 8. RAWE/Student READY

All the four teaches were associated both in RAWE and Student READY programme. Dr. Ranjit Chatterjee acted as Coordinator for the Placement in villages programme.

### Professional development activities

#### 9a. P. G. thesis evaluation of other universities

Sl. No.	Name of Student	M.Sc./ Ph.D.	University	Associate Teacher
1	A. R. Karmakar	M.Sc.(Hort.) in Spices and Plantation Crops	BCKV	Dr. S. Datta
2.	S. Venugopal	M.Sc.(Hort.) in Spices and Plantation Crops	BCKV	Dr. S. Datta
3.	Deepa Debnath	M.Sc.(Hort.) in Vegetable Crops	BCKV, Mohanpur	Dr. Ranjit Chatterjee
4.	Sheenjana Sarnaker	M.Sc.(Hort.) in Vegetable Crops	BCKV, Mohanpur	Dr. Ranjit Chatterjee
5	Subhramalya Dutta	M.Sc.(Hort.) in Vegetable Crops	BCKV, Mohanpur	Dr. Ranjit Chatterjee
6	C.A. Shira	M.Sc.(Horticulture)	NEHU, Tura, Meghalaya	Dr. Ranjit Chatterjee
7	Dilresha Sangma	M.Sc.(Horticulture)	NEHU, Tura, Meghalaya	Dr. Ranjit Chatterjee
8	Rapunga Flory.H	M.Sc.(Ag.) in Horticulture (Vegetable Science)	Nagaland University, Medziphema	Dr. Ranjit Chatterjee

#### UG/P. G. question setting /Answer script Evaluation of other universities

Sl. No.	Name or number of Course	Year	University	Associate Teacher
1	Hort-153	2016	BCKV	Dr. S. Datta
2.	Hort-351 :Spices and condiments- II.	2016	BCKV	Dr. S. Datta
3.	HOR-524 (Seed Production Technology of Vegetable Crops)	2016	Visva-Bharati	Dr. S. Datta
4.	HOR505: Biotechnology of Horticultural Crops HVS-513: Breeding of Vegetable Crops HVS-613: Biotic and Abiotic Stress Management in Vegetable Crops	2016	Department of Horticulture, NEHU, Tura Campus, Meghalaya	Dr. Ranjit Chatterjee
5.	HOVS-722: Growth and Development of Vegetable Crops	2016	Department of Horticulture, SHIATS, Allahabad-07, UP	Dr. Ranjit Chatterjee

**9b. Member of professional societies**

Sl. No.	Name of the Journal/Society	Address	Teacher
1.	Indian Journal of Horticulture	Horticultural Society of India C/O Division of Fruits and Horticultural Technology IARI, New Delhi – 110012	Dr. S. Datta Dr. J.C. Jana
2.	Journal of Spices and aromatic Crops	IISR, P. O. – Marikunnu, Calicut, Kerala	Dr. J.C.Jana Dr. S. Datta
3.	Vegetable Science	Indian Society of Vegetable Science, IIVR, Varanasi, U. P.	Dr. J.C.Jana Dr. R. Chatterjee Mr. Shibnath Basfore
4.	Crops and Weed Science Society	Department of Agronomy, BCKV, Mohanpur, Nadia, WB-741252	Dr. S. Datta
5.	Applied and Natural Sciences Foundation	4111, Vardhman Towers, Block 2, JURUS Country, Jwalapur, Uttarakhand 249407	Dr. S. Datta
6.	Forum of Scientist, Engineer's and Technologist	15-N, Nelli Sengupta Sarani, Lindsay Street Kolkata Pin: 700087. West Bengal	Dr. S. Datta
7.	Seed Research	ISST, IARI, Pusa, New Delhi – 110012	Dr. J.C.Jana
8.	Spice India	Spice Board, Calicut, Kerala	Dr. S. Datta
9.	Journal of Horticulture Sciences	Society for Promotion of Horticulture, IIHR, Hessaraghata, Bangalore	Dr. R. Chatterjee
10.	Journal of Soil Biology and Ecology	Indian Society of Soil Biology and Ecology, UAS, Bangalore	Dr. R. Chatterjee
11.	South Indian Horticulture	South Indian Horticultural Association, TNAU, Coimbatore	Dr. R. Chatterjee
12.	Journal of Crop and Weed Science	CWSS, BCKV, Nadia, W.B	Mr. Shibnath Basfore

**9c. Membership/participation in University/State/Central bodies**

Member Agro Advisory committee under National centre for medium range weather forecasting, Govt. of India. [members - Dr. R. Chatterjee,]

**10. Additional Responsibilities:**

**Dr. J. C. Jana**

1. Dean Faculty of Horticulture, UBKV
2. Academic Council Member of the University, UBKV
3. Convener, Admission Committee of the Faculty of Horticulture, UBKV
4. Member, International Working Group of Under Utilized Plant Species, ISHS, Belgium
5. Member, University Accreditation Committee, UBKV
6. Member, Farm Management Committee, UBKV

**Dr. R. Chatterjee**

1. Member of Admission Committee for UG
2. Convener, STUDENT READY of the Faculty of Horticulture, UBKV
3. Member, Central Instrumentation Center, UBKV
4. Member of Agro Meteorological Service Centre, UBKV
5. Member of Academic Council of the University, UBKV.
6. Member of Faculty Council, F/Horticulture of the University, UBKV.

**Dr. S. Datta**

1. Member of RHWE
2. Member of Admission Committee

**Mr. Shibnath Basfore**

1. Member of Admission Committee
2. Member of RAWE
3. Member of Faculty Council
4. Member of JRF Committee
5. Member of convocation committee

**Dr. Subhamoy Sikder**

1. Member of admission committee
2. Member of RAWE
3. Chairman of Central Quality Analysis laboratory, Faculty of Horticulture
4. Member of convocation committee