

Annual Report

2017-18



Department of Forestry
Uttar Banga Krishi Viswavidyalaya
Pundibari : Cooch Behar

The department of Forestry was established in 1st February, 2001, under the Faculty of Horticulture of Uttar Banga Krishi Viswavidyalaya as an academic department of the University. The Masters and Doctoral Degree Programme entitled M.Sc. (Forestry) in Forestry and Ph. D. (Forestry) in Forestry was started respectively in this department since 2004.

Objectives:

- a. To impart education on Forestry science for developing technically qualified human resources.
- b. Advancement of knowledge for sustainable forest management and environment through basic and applied research.
- c. Application of innovative ideas for addressing the problems and overall improvement of forestry sector providing technological back up for expansion of processing as well as rural industrialization.
- d. Diagnostic survey and appraisal of existing farming system and agroforestry practices and farmers preference.

Department Staff strength

Teaching Staff

Sl. No	Name	Designation
1	Dr. A. N. Dey	Associate Professor & Head
2	Dr. Sumit Chakravarty	Professor
3	Dr. Gopal Shukla	Assistant Professor
4	Dr. Nazir A. Pala	Assistant Professor
5	Miss. Vineeta	Assistant Professor

Non-teaching staff

Sl. No	Name	Designation
1	Anupama Das	Technical Assistant Gr-II
2	Ajit Roy	Sr. Lab Attendant

Student strength

Under Graduate: B.Sc. (Hort.) Hons.: 20;
 B. Sc (Agri.) Hons.: 80 (UBKV main campus);
 B. Tech.: 20;
 B. Sc (Agri.) Hons.: 30 (COA - Majhian)

Post Graduate: M. Sc.: 06;
 Ph. D.: 06

Number of students awarded Degree: M. Sc.: 02;
 Ph. D.: 01

Courses offered in UG programme

Course No.	Name of the Courses	Credit Hours	Associated Teacher
FOR-101	Introduction to Forestry (FOA - Pundibari)	(1+1)	Prof. S. Chakravarty Dr. G. Shukla
FOR-101	Introduction to Forestry (COA - Majhian)	(1+1)	Dr. A. N. Dey Dr. Nazir A. Pala
FOR-201	Environmental science and Disaster Management (FOA - Pundibari)	(2+1)	Dr. G.Shukla Dr. Nazir A. Pala Miss Vineeta Dr. G.C. Banik
FOR-201	Environmental science and Disaster Management (FOH - Pundibari)	(2+1)	Miss Vineeta Prof. S. Chakravarty Dr. G.Shukla Dr. G.C. Banik
FOR-201	Environmental science and Disaster Management (COA - Majhian)	(2+1)	Dr. Nazir A.Pala Miss Vineeta Dr. A. N. Dey Dr. G.C. Banik
FOR-301	Introduction to Agroforestry (FOH - Pundibari)	(1+1)	Dr. G. Shukla Dr. Nazir A. Pala
HOR- 151	Environmental Science and Disaster Management (FOT - Pundibari)	(2+1)	Miss Vineeta Dr. G. Shukla, Dr. Shvik Deb
FOR – 251	Environmental Sciences (FOH - Pundibari)	(2+1)	Dr. A. N. Dey Dr. N. A. Pala, Dr. G. C. Banik
FOR - 351	Environmental Sciences ((FOA - Pundibari)	(1+1)	Dr. N. A. Pala Dr. A. N. Dey, Dr. G. C. Banik
FOR - 351	Environmental Sciences (COA - Majhian)	(1+1)	Dr. G. Shukla Prof.S. Chakravarty Dr. T. Pandit

Courses offered in PG programme

Course No.	Name of the Courses	Credit Hours	Associated Teacher
FOR-501	Silviculture	(2+0)	Dr. A. N. Dey Miss Vineeta
FOR-502	Forest Biometry	(1+1)	Miss Vineeta Dr. A. N. Dey
FOR-504	Forest Products- Chemistry and Industries	(2+1)	Dr. Nazir A. Pala Miss Vineeta
FOR-601	Quantitative Silviculture	(2+1)	Dr. A. N. Dey Prof. S. Chakravarty
FOR-603	Advances in wood and non-wood forest products	(3+0)	Dr. Nazir A. Pala Dr. G. Shukla

FOR-604	Advances in economic analysis in forestry	(2+0)	Prof. S. Chakravarty Dr. A. N. Dey
FOR-606	Forestry interventions for environment amelioration	(1+1)	Dr. G. Shukla Dr. Nazir A.Pala
FOR-505	Forest Ecology & Biodiversity Conservation	(2+1)	Prof. S. Chakravarty Dr. Nazir A. Pala
FOR-508	Forest policy and laws and international conventions	(2+0)	Dr. G. Shukla Miss Vineeta
AF-524	Fruit plants, trees and shrubs for agroforestry	(2+1)	Miss Vineeta Dr. A. N. Dey
FOR-503	Forest Management	(2+0)	Dr. A. N. Dey Miss Vineeta
FOR-506	Forest Resource Management & Economics	(1+1)	Dr. N. A. Pala Dr. G. Shukla
FOR-507	Forest Protection	(1+1)	Dr. G. Shukla Miss Vineeta
FOR-509	Tree Improvement	(1+1)	Prof. S. Chakravarty Dr. G. Shukla
FOR-591	Credit Seminar	(0+1)	Miss Vineeta
AF-524	Fruit plants, Trees and shrubs for agroforestry	(2+1)	Miss Vineeta Dr. A. N. Dey
FOR-605	Agroforestry System Management	(1+1)	Dr. A. N. Dey Dr. N. A. Pala
FOR-611	Operational Res. & Forest Mgt.	(1+1)	Dr. A. N. Dey Dr. N. A. Pala
AF- 622	Productivity of Agroforestry System	(2+1)	Dr. N. A. Pala Dr. A. N. Dey
FB-621	Advances of Forest Biotechnologies	(2+1)	Prof. S. Chakravarty Dr. G. Shukla
MAP - 622	Quality Improvement Medicinal and aromatic plants	(2+1)	Dr. G. Shukla Prof. S. Chakravarty
FOR – 691	Credit Seminar	(0+1)	Prof. S. Chakravarty

External Funded Research Projects

Sl. No	Title	Funding agency/budget (Rs. In Lakhs)	Project Investigator	Status
1	Standardization of Agro- technology and mass multiplication for production of quality seedlings of <i>Woodfordia frutcosa</i> , <i>Sida cordifolia</i> and <i>Desmodium gangeticum</i>	NMPB, New Delhi, Govt. of India/29.685	PI-Miss. Vineeta Co-PI: Dr Gopal Shukla Dr. Nazir A. Pala Dr. S. Chakravarty	On-going
2	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. Nazir A.Pala Co-PI: Dr Gopal Shukla Dr. S. Chakravarty	On-going

3	Production of quality planting materials of some important medicinal plants through identification multiplication, supply of healthy elite genotype and capacity building programmes for improving rural livelihood in Northern part of West Bengal	NMPB- New Delhi, Govt. of India/40.34	PI- Dr. Gopal Shukla Co-PI: Dr. Nazir A. Pala Miss. Vineeta Dr. S. Chakravarty	On-going
---	---	---------------------------------------	--	----------

Departmental Research Programme

Sl. No.	Title of the research Programme	Associated Teacher	Status
1	Rejuvenation, gap filling and intercropping in <i>Albizia lebeck</i> agroforestry stand	Dr Gopal Shukla	On-going
2	Rejuvenation, gap filling and intercropping in <i>Terminalia arjuna</i> agroforestry stand	Dr. Nazir A. Pala	On-going
3	Rejuvenation, gap filling and intercropping in Jarul agroforestry stand	Miss. Vineeta	On-going
4	Moringa based agroforestry system for terai zone of West Bengal	Dr Gopal Shukla Dr. Nazir A. Pala Miss. Vineeta	On-going
5	Effect of fertigation in growth attributes of <i>Elaeocarpus floribundus</i>	Dr. A. N. Dey	On-going
6	Effect of different pretreatment methods on seed germination of <i>Terminalia chebula</i> and <i>Elaeocarpus floribundus</i>	Dr. A. N. Dey	On-going
7	Development of Agar based agroforestry system	Dr. A. N. Dey	On-going
8	Development of silvi-horticultural and silvipastoral system	Dr. A. N. Dey	On-going

M. Sc. Students' Research Programme as Thesis during 2017-18

Sl. No.	Name of the Student	Thesis Title	Chairman	Status
1	Bisleshna Tamang H - 2016 - 02 - M	Diversity and biomass of woody perennials in Pundibari Campus of Uttar Banga Krishi Viswavidyalaya, Cooch Behar, (W.B)	Dr. N. A. Pala	Awarded
2	Dinesha. S H - 2016 - 03 - M	Analysis of litter fall pattern, nutrient return, decomposition and budgeting ecosystem carbon under <i>Swietenia macrophylla</i> King. (Indian mahogany) plantation	Dr. A. N. Dey	Awarded
3	Abigail Rai H - 2017 - 01 - M	Vegetative propagation on <i>Elaeocarpus floribendus</i> and <i>Elaeocarpus granitus</i>	Dr. A. N. Dey	On-going

4	Manish Roy H – 2017 - 06 - M	Diversity and consumption pattern of Energy and Ethnomedicinal plant resources in Home Garden of North Bengal.	Dr. N. A. Pala	On-going
5	P. Surath Kumar H - 2017-10- M	Biomass and total carbon storage of bamboo groves in foot hill sub-humid tropics of West Bengal	Dr. S.Chakravarty	On-going
6	Ricky Pradhan H – 2017 – 11- M	Documentation and quantification of phytodiversity and carbon stock of public parks and institutional land vegetation of Cooch Behar Town,W. B.	Dr. G. Shukla	On-going

Ph. D. students' Research programme as Thesis during 2017-18

Sl. No.	Name of the Student	Thesis Title	Chairman	Status
1	Prakash Rai H –2013– 02 - D	Nutrient status and carbon stock of different stand in a humid tropical forest , Indian Eastern Himalayas	Dr.S. Chakravarty	Awarded
2	Sharada Dubey H –2014– 04 - D	Studies on seed source variation and seedling characteristic of <i>Aquilaria malaccensis</i> Lamk. (Agar)	Dr. A. N. Dey	On-going
3	Tansuri Dey H –2015– 05- D	Carbon Sequestering Status of Different Tree Based Land Use Systems in Terai Zone of West Bengal	Dr.S. Chakravarty	On-going
4	Ublert Lepcha H –2015– 06 - D	Altitudinal variation on quantitative and qualitative characters of Forest vegetation in Darjeeling Himalaya	Dr.S. Chakravarty	On-going
5	Abha Manohar K. H –2017– 01 - D	Standardization of protocol for <i>Saraca asoca</i> and <i>Stevia rebaudiana</i>	Dr. G. Shukla	On-going
6	Biplov Ch. Sarkar H –2017– 02 - D	Ecosystem services and floristic diversity of home gardens along altitudinal gradient of Darjeeling Himalayas	Dr. N. A. Pala	On-going

Publications

I. Book

1. Shukla G, Vineeta, Pala NA and Chakravarty S. 2017. *Question Bank of Forestry*. New India Publishing Agency, New Delhi. 304p. (ISBN: **9789386546371**).
2. Chakravarty, S. and Shukla, G. (Eds.) 2017. *Forest Ecology and Conservation*. Intech Publishers Croatia. 158p. ISBN 978-953-51-3090-1 (online), Print ISBN 978-953-51-3089-5.

II. Training Manual

1. Shukla G., Manohar KA, Vineeta, Pala NA and Chakravarty S. (2018). Training manual on medicinal plant cultivation and conservation. Published by Department of Forestry, Uttar Banga Krishi Viswavidyalay, Pundibari, Cooch Behar. Pp-80(in English).
2. Chakravarty S, Shukla G, Vineeta, Pala NA and (2018). Training manual on medicinal plant cultivation and conservation. Published by Department of Forestry, Uttar Banga Krishi Viswavidyalay, Pundibari, Cooch Behar. Pp-72 (in Bengali).

III. Research Paper

Sl. No.	Name of Authors	Year	Title of the Paper	Name of the Journal	ISSN No.	NAAS Rating
1	Dey K.; Ghosh A.; Bauri F. K.; Bhowmick N.; Dey A. N.; Mishra D. K. and Das B. C.	2018	Barbados cherry: Agriculture, breeding, utilization and role in nutritional and economical security - A review	<i>Agricultural Reviews</i> ; 39(2):144-150	0976-0539	4.37
2	Dey, A.N. and Sharma, Bani	2018	Weed Phytosociology in <i>Jatropha</i> plantation of Terai region in West Bengal	<i>Indian Journal of Weed Science</i> ; . 50(1): 94-96	0974-8164	5.17
3	Dey, K.; Ghosh, A. and Dey, A. N.	2017	Physico-chemical characterization of Indian Olive (<i>Elaeocarpus floribundus</i>) grown in terai region of West Bengal	<i>The Bioscan</i> ; 12 (3): 1597-1599	0973-7049	5.26
4	Ghosh, A.; Dey, K.; Bauri, F. K. and Dey, A. N.	2017	Physico-chemical changes during fruit growth and developmental stages in yellow type passion fruit (<i>Passiflora edulis</i> var. flavicarpa Degener) accessions	<i>Journal of Applied and Natural Science</i> ; 9(4):2026-2032	0974 - 9411	5.08
5	Dey, K.; Ghosh, A.; Mani, A.; Bauri, F. K. and Dey, A. N.	2017	Root generation of karonda (<i>Carissa carandas</i> L.) cuttings in response of sucrose and IBA	<i>J. of Pharmacognosy and Phytochemistry</i> . 6(6):803-806	2349-8234	5.21
6	Thappa, A.; Datta, S.; Dey, A. N. and Baisare, P.	2017	Advance propagation techniques in important spice crops	<i>International journal of current microbiology and applied sciences</i> ; 6(9):1979-1985	2319-7706	5.38
7	Ghosh, A.; Dey, K.; Mani, A.; Dey, A.	2017	Implication of nanocomposite edible coating for shelf life extension of Indian Olive	<i>Current J. of Applied Science and</i>	2231-0843	5.32

	N.and Bauri, F. K.		(<i>Elaeocarpus floribundus</i> Blume)	<i>Technology</i> ;22(2):1-8		
8	Shukla G , Kumari A., Manohar AK, Vineeta and Chakravarty, S.	2018	Fuelwood extraction by indigenous, rural and urban poors do not risk trees and forest: a case study from Jharkhand, India	<i>Forest Research and Engineering: International Journal 2</i> : 164-168.	2577-8307	NA
9	Vineeta, Shukla G, Pala N.A, Dobhal S and Chakravarty S.	2018	Influence of seed priming on germination and seedling growth of <i>Adeantherapavonina</i> in sub humid region of West Bengal, India.	<i>Indian Journal of Tropical Biodiversity</i> 26: 87-91.	0971-4642	4.02
10	Shukla G, Vineeta, Kumari A and Chakravarty S.	2017	Plant diversity, structure and uses of plants in home gardens of Jharkhand, India.	<i>Indian Journal of Tropical Biodiversity</i> 25: 40-50.	0971-4642	4.02
11	Subba M, Pala N.A, Shukla G and Chakravarty S	2017	Plant community structure of home gardens in eastern Himalayan foothill of West Bengal, India	<i>Indian Forester</i> ; 143: 1265-1274	0019-4816	4.38
12	Biswakarma S, Pala N.A, Shukla G, Vineeta and Chakravarty S.	2017	Plants for liver and jaundice treatment: a case study from forest fringe communities in North Bengal, India.	<i>Forestry Ideas</i> 23: 145-151.	2603-2996	NA
13	Subba M, Pala N.A, Shukla G, Pradhan K and Chakravarty S.	2017	Relationship of socio-economic factors with attributes of homegarden agroforestry systems in Northern part of West Bengal.	<i>Journal of Tree Sciences</i> 36: 76-91.	0970-7662	3.51
14	Biswakarma S, Pala N.A, Shukla G, Vineeta and Chakravarty S.	2017	Ethnomedicinal plants used to cure stomach disorders in forest fringe communities in northern part of West Bengal.	<i>Indian Journal of Natural Products and Resources</i> 8: 370-380.	0976-0504	4.08

15	Dey T, Pala N.A, Shukla G , Pal PK, Das G and Chakravarty S.	2017	Climate change perceptions and response strategies of forest fringe communities in Indian Eastern Himalaya.	<i>Environment, Development and Sustainability.</i> DOI 10.1007/s10668-017-9920-1	1573-2975	7.37
16	Dey T., Pala N.A, Shukla G , Pal PK and Chakravarty S.	2017	Perceived Perception on Impact of Climate Change on Forest Ecosystem in Protected Area of West Bengal.	<i>Journal of Forest and Environmental Science</i> , 33: 1-7. https://doi.org/10.7747/JFES.2017.33.1.1	2288-9744	Indexed
17	Pala N.A , Mathur M, Iqbal K, Negi AK, Shukla G and Chakravarty S	2017	Community dynamics: competition and facilitation studies of tree species in temperate forest of the Indian Himalaya.	<i>Indian Journal of Ecology</i> 44: 279-288.	0304-5250	4.96
18	Vineeta , Dey T and Lepcha U.	2017	<i>Murraykoenigii</i> (L): A Multi-potential Medicinal Plants.	Life Science Leaflets. 11-13	2277-4297	3.98
19	Vineeta, Pala. N.A, Shukla G. and Chakravarty S.	2017	Traditionally used medicinal plants for treatment of stomach disorder in West Bengal, India: A scrutiny and analysis from secondary literature.	Studies on Ethano-medicine. 12(3): 163-183	0973-5070	6.00
20	Vineeta	2017	Rooting and shooting behaviour of <i>Terminalia bellericaroxb.</i> under controlled condition.	Life Science Leaflets. 47-51	2277-4297	3.98

21	Singh, R., Bhardwaj, D. R., Pala N. A and Rajput, B. S.	2017	Variation in floral diversity of eight agro-ecosystems along elevational gradient in northwestern Himalaya	<i>Range Mgmt. & Agroforestry</i> 38 (2) : 181-190	0971-2070	6.32
22	Banday, M., Bhardwaj, D. R., Pala, N.A	2017	Variation of stem density and vegetation carbon pool in subtropical forests of Northwestern Himalaya	<i>Journal of Sustainable Forestry</i> DOI: 10.1080/10549811.2017.1416641	1054-9811	6.74
23	Banday, M., Bhardwaj, D. R., Pala, N.A and Rajput, B. S	2017	Quantitative analysis of woody vegetation in sub-tropical forests of Himachal Pradesh, India	<i>Indian Forester</i> , 143 (11) 617-629	0019-4816	4.38
24	Debbarma, M., Pala, N. A. , Kumar, M and Bussmann, R. W	2017	Traditional knowledge of medicinal plants in tribes of Tripura in Northeast, India	<i>African Journal of Traditional and Complementary and Alternative Medicine.</i> 14(4):156-168	0189-6016	6.00
25	Goswami, S., Verma, K. S and Pala, N. A.	2017	Impact of component variability on biomass production and soil organic carbon in traditional agroforestry systems	<i>Indian Forester</i> ; 143 (6):550-556	0019-4816	4.38
26	Raj, A. J., Biswakarma, S., Pala N. A. , Shukla, G. , Vineeta. , Kumar, M., Chakravarty, S and Bussmann, R.W.	2018	Indigenous uses of ethnomedicinal plants among forest-dependent communities of Northern Bengal, India	<i>Journal of Ethnobiology and Ethnomedicine</i> 14:8 DOI 10.1186/s13002-018-0208-9	1746-4269	7.90

IV. Book Chapters

1. Shukla G., Koul DN, Lepcha U, Lepcha LD, Biswakarma S, Pala NA and Chakravarty S. 2018. Economic valuation of forest ecosystem services. In: *Forests, Climate Change and Biodiversity*, (eds.) Sood KK and Mahajan V. Kalyani Publishers, New Delhi. Pp. 223-241.
2. Chakravarty S, Puri A, Vineeta, Dey T, Rai P, Pala NA and Shukla G. 2018. Climate Change Impacts vis-à-vis Biodiversity. In: *Forests, Climate Change and Biodiversity*, (eds.) Sood KK and Mahajan V. Kalyani Publishers, New Delhi. Pp. 223-241.
3. Chakravarty S, Puri A, Subba M, Pala NA and Shukla G. 2017. Homegardens: drops to sustainability. In: *Agroforestry: Anecdotal to Modern Science*, (eds.) Dagar JC and Tewari VP. Springer Nature Singapore. Pp. 517-528. (https://doi.org/10.1007/978-981-10-7650-3_20).
4. Chakravarty S, Subba M, Pala NA, Dey T and Shukla G. 2017. Climate Change and Home Gardens: Involving Small Landholders for Mitigation. In: *Agroforestry: Practices and Potential Services*, (eds.) Kumar M and Rajwar GS. OMICS Group eBooks, 731 Gull Ave, Foster City, CA 94404, USA. (Available at www.esciencecentral.org/ebooks).

Awards/Recognition

Name of the Faculty Member	Award	Organisation/society/conference
Dr. S. Chakravarty	Scientist of the Year 2017 Award	International Foundation for Environment and Ecology in association with Confederation of Indian Universities (CIU), New Delhi and Dept. of Zoology, Guwahati University, Guwahati, Assam.
Dr. A. N. Dey	Young Scientist of the Year 2017 Award	
Dr. G. Shukla	Young Scientist of the Year 2017 Award	
Ms. Vineeta	Junior Scientist of the Year 2017 Award	
Dr. Nazir A. Pala	Best Paper award	
Dr. A. N. Dey	Young Scientist Award	Society of Krishi Vigyan

School/Workshop/Training/Course/Seminar/Conferences attended or participated

Name of the Authors	Title of the Presented Paper	Organiser
Shukla, G.; Lepcha, L. D.; Rai, P.; Vineeta; Pala, N. A. and Chakravarty, S.	Utilization pattern of NTFPs among forest dependent communities in Jaldapara National Park in West Bengal, India	<i>In Proc. 4th International Symposium on Minor Fruits and Medicinal Plants</i> held at College of Horticulture and Forestry, CAU Pasighat, Arunachal Pradesh from 5-6 December 2017; jointly organized by ISMF&MAP and College of Horticulture and Forestry, CAU Pasighat. 127p.
Shukla, G.; Lepcha, L. D.; K Manohar, A.; Vineeta; Pala, N. A. and Chakravarty, S.	Dependency on NTFPs for livelihood security in sub-Himalayan region of West Bengal.	<i>In Proc. 4th International Conference on Environment and Ecology</i> held on 12-14 February 2018 at Gauhati University, Guwahati, Assam by International

		Foundation for Environment and Ecology and Confederation of Indian Universities, New Delhi. 244p.
Vineeta	Participated	North-East Green Summit-2017” organized by Vibgyor Media Solutions, Gauhati from 1-5 th December, 2017.
Vineeta	Participated	National Seminar on “ Understanding the Earth for Resourcing Future Generation” organized by North-Eastern Hill University, Shillong from 5-6 th March, 2018.
Pala, NA and Sarkar, BC	Competition and facilitation studies of tree species in Indian Himalaya	7 th International Science Congress (ISC-2017) held on 8 th -9 th December, 2017 jointly organised by International science community association and College of science and technology, Royle university of Bhutan, at College of science and technology, Royle university of Phuentsholing, Bhutan
Nazir A. Pala	Participated	“National workshop on Innovative nutrient stewardship: Concepts, principles and applications” held during March 26-28, 2018 at UBKV, Jointly organised by UBKV and International Plant Nutrition Institute (IPNI).
Nazir A. Pala	Home gardens for biodiversity conservation	4 th International Conference on Environment and Ecology (ICEE – 2018) organized by Guwahati University from 12-14 th February, 2018.
A. N. Dey	Participated	“National workshop on Innovative nutrient stewardship: Concepts, principles and applications” held during March 26-28, 2018 at UBKV, Jointly organised by UBKV and International Plant Nutrition Institute (IPNI).
Anjali Kumari and A. N. Dey	Decomposition and nitrogen releases from <i>Indigofera teysmannii</i> Miq. and its effect on maize (<i>Zea mays</i>) in humid tropics	National Conference on Improving Income of Farmers through Agriculture and Aquaculture through Development Interventions for presenting paper entitled “organized by ICAR-CIFA, Odisha from 5-7 th January, 2018
A. N. Dey	Variations in nutritional value in the fruits and leaves of twelve provenances of <i>Gmelina arborea</i> Linn Roxb.	4 th International Conference on Environment and Ecology (ICEE – 2018) organized by Guwahati University from 12-14 th February, 2018.

External Examiner/Question paper setter

University/Organisation	Examiner/ Paper Setter	Teacher
Central Agricultural University, Manipur	Question paper setter	Dr. G. Shukla
Sam Higginbottom Institute of Agriculture, technology and Sciences, Allahabad	Question paper setter	Dr. N. A. Pala
Tripura University (A central University)	Question paper setter	Dr. N. A. Pala
Orissa University of Agriculture and Technology, Bhubaneswar	Question paper setter and Examiner	Dr. A. N. Dey
College of Forestry, OUAT, Bhubaneswar	M. Sc. Thesis Evaluation	Dr. A. N. Dey
Bihar Agricultural University, Sabour	Question paper setter	Dr. A. N. Dey

Recourse Person in Farmers Training Programme

University/Organisation/Place	Purpose	Teacher
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.	one day Awareness-cum-Training Programme on Medicinal Plants Cultivation and Conservation”	Dr. S. Chakravarty
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.		Dr. G. Shukla
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.		Dr. N. A. Pala
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.		Miss. Vineeta

Resource Person to deliver Lectures in Seminar/Symposium

Name of the Teachers	Topics	Organization
Dr. S.Chakravarty	Conservation and sustainable management approaches of ethno-botanic plants for livelihood improvement	In 4 th International Symposium on Minor Fruits and Medicinal Plants held at College of Horticulture and Forestry, CAU Pasighat, Arunachal Pradesh from 5-6 December 2017; jointly organized by ISMF&MAP and College of Horticulture and Forestry, CAU Pasighat.
	Agroforestry: a climate smart practice for sustainability and livelihood	In National Seminar on Water and Soil Management Approaches for Climate Smart Agriculture held on 23-24 th March 2018 at Banaras Hindu University, Varanasi by Department of Soil Science and Agricultural Chemistry, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi in occasion

		of Golden Jubilee Year (1968-2018).
	Deforestation: inviting natural hazards	In 105 th Indian Science Congress held on 16-20 th March 2018 at Manipur University, Imphal in the Section of Earth System Sciences by Manipur University, Imphal and Indian Science Congress Association, Kolkata.
	Sustainable use of wood can mitigate climate change	In National Seminar on Understanding the Earth for Resourcing Future Generations held on 05-06 March 2018 at North Eastern Hill University, Shillong by North Eastern Hill University, Shillong and Shillong Chapter, Indian Science Congress Association, Kolkata.

Membership of Professional Society/Journal/Organisation

Name of the Journal/Society	Address	Name
Life member of Society of Environment Science	Dumka, Jharkhand	Dr. S. Chakravarty
Life member of Society for Sciences		
Life member of International Society for Ecological Communications		
Life member of Society of Applied Ornithology	ANGRAU, Hyderabad	
Life member of East Himalayan Society for Spermatoocyte Taxonomy (Taxo Club)	Taxo Club, Department of Botany, North Bengal University, Siliguri	
Life member of the Agroforestry Society of Bangladesh	Department of Agroforestry, Bangladesh Agricultural University Mymensingh 2200.	
Life Member of The Indian Science Congress- Membership no. L21438	14, Dr. Biresh Guha Street, Kolkata-700 017	
Founder President and Life member of Cooch Behar Association for Cultivation of Agricultural Sciences	Uttar Banga Krishi Viswavidyalaya, Pundibari-736 165, Cooch Behar, west Bengal	
Founder and Life member of International Society of Minor Fruits, Medicinal and Aromatic Plants (ISMF&MAP)	Faculty of Agriculture University of Ruhuna Mapalana, Kamburupitiya Sri Lanka	

Founder and Life member of Cooch Behar Association for cultivation of agricultural sciences	UBKV, Pundibari	Dr. A. N. Dey
Life Member of The Indian Science Congress- Membership no. L29953	14, Dr. BireshGuha Street, Kolkata-700 017	
Founder and Life member of International Society of Minor Fruits, Medicinal and Aromatic Plants (ISMF&MAP)	Faculty of Agriculture University of Ruhuna Mapalana, Kamburupitiya Sri Lanka	
Life Member of the Society of Indian Journal of Agroforestry	Jhansi, Madhya Pradesh	
Cooch Behar Association for cultivation of agricultural sciences	UBKV, Pundibari	Dr. Gopal Shukla
Life Member of The Indian Science Congress	14, Dr. BireshGuha Street, Kolkata-700 017	
Cooch Behar Association for cultivation of agricultural sciences	UBKV, Pundibari	Dr. Nazir A. Pala
International Union for Conservation of Nature and Natural Resources UCN-(WCPA) World Commission for Protected Areas	IUCN Headquarters Rue Mauverney 28 1196 Gland Switzerland	
International Society for Environmental Information Sciences,	4246 Albert Street, Suite 413 Regina, Saskatchewan S4S 3R9, Canada	
Life Member of The Indian Science Congress	14, Dr. BireshGuha Street, Kolkata-700 017	
Cooch Behar Association for cultivation of agricultural sciences	UBKV, Pundibari	
Life Member of The Indian Science Congress	14, Dr. BireshGuha Street, Kolkata-700 017	Miss. Vineeta
Life Member of “Medicinal and Aromatic Plants Association of India (MAPAI)”	Boraivi, Anand, Gujarat.	

Additional Responsibilities

Dr. Sumit Chakravarty

1. Acted as Co-Chairman in the technical session “Food Security and Safety under Climate Variables” on the occasion of 4th International Conference on Environment and Ecology held on 12-14 February 2018 at Gauhati University, Guwahati, Assam by International Foundation for Environment and Ecology and Confederation of Indian Universities, New Delhi.

2. Acted as Co-Chairman in the technical session “Interventions in Soil Management for Climate Smart Agriculture” on the occasion of National Seminar on Water and Soil Management Approaches for Climate Smart Agriculture held on 23-24th March 2018 at Banaras Hindu University, Varanasi by Department of Soil Science and Agricultural Chemistry, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi in Golden Jubilee Year (1968-2018).

Member Faculty Council, Faculty of Horticulture, UBKV, Pundibari

Dr. A. N. Dey

In-Charge, Public Information Officer, UBKV, Pundibari

Member Faculty Council, Faculty of Horticulture, UBKV, Pundibari

Member Academic Council, UBKV, Pundibari

Member, BTCFT, Department of Forest, Govt. Of West Bengal

Member, Ecologist, Department of Forest, Govt. Of West Bengal

Representative of Commissioner Jalpaiguri Division in the district level Environment Impact Assessment Authority and District level Expert Appraisal Committee of Alipurduar district

Dr. Gopal Shukla

Member departmental committee

Provost, APC Hostel

In charge departmental Laboratory

Member Anti-ragging squad

Member anti-ragging committee

Member UG admission committee

Associated with RHWE and RAWE

Associated with Student ELP.

Member Departmental accreditation committee

Member Faculty council for undergraduate studies in Forestry, Bankura University, Bankura

Advisory member, NSS

Member editorial board/reviewer of journals

Indian forester

Human Ecology

Agroforestry system

Journal of agricultural and technology

African journal of agricultural science

Journal of tree science
Canadian journal of agriculture
Asian journal of biology

Dr. Nazir A. Pala

Convener, UBKV, Marathon, 2018.
Provost, PCM, Hostel, UBKV
Programme officer, NSS, UBKV
Joint convener, Annual sports meet UBKV, 2018.
In charge departmental Laboratory
Member Anti-ragging squad
Member UG admission committee
Member End term examination conducting committee
Member Library Advisory Committee
Member of the Committee for Central Quality Analysis Laboratory for Faculty of Horticulture, UBKV.
Representative of Commissioner Jalpaiguri Division in the district level Environment Impact Assessment Authority and District level Expert Appraisal Committee of Alipurduar district

Member editorial board/reviewer of journals

Journal of Applied Forestry, Columbia International Publishing USA
Journal of Forestry Research (Springer)
Journal of sustainable forestry (Taylor and Francis)
International journal of conservation sciences
Indian Forester
Biomass and Bio energy (Elsevier)
Actaecologia since (Elsevier)
Land degradation and development (Wiley)
Indian Journal of Agroforestry
Climate Change and Environmental Sustainability