



## Curriculum vitae

### Basic Details

**Name** : ARINDAM DAS  
**Designation** : Assistant Professor (Vegetable Science since August 24, 2020)  
**Date of Birth** : 3<sup>rd</sup> of January, 1992  
**MailingAddress** : Department of Vegetable and Spice Crops, Faculty of Horticulture, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, West Bengal-736175, India  
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### Education Graduation onwards

Name of Degree	Year of Pass	Institution / University	Subject	Percent of marks/Grades
B.Sc (Horticulture)	2014	Bidhan Chandra Krishi Viswavidyalaya, WB, India	Horticulture	81.60%
M.Sc (Vegetable Crops)	2016	Bidhan Chandra Krishi Viswavidyalaya, WB, India	Vegetable Crops	85.60%
<b>Master's Thesis:</b> Characterization of Floral Morphology and Reproductive Profiles of Some Brinjal Genotypes				
Ph.D in Vegetable Science	2022	ICAR-Indian Agricultural Research Institute, New Delhi, India	Vegetable Science	8.33
<b>Doctoral Thesis:</b> Incorporation of Yellow Mosaic Disease Resistance in Pole Type French Bean( <i>Phaseolus vulgaris</i> L.)				

### Awards/Patents

Sl.No.	Name of Award/Patent	Agency	Year
1.	ICAR-National Eligibility Test	ICAR, Govt. of India	2016
2.	ICAR-IARI Ph.D Entrance (All India)	ICAR-Indian Agricultural Research Institute, New delhi, India	2016
3.	ICAR-IARI Senior Scholarship, 2016 (Fellowship)	ICAR-IARI, New Delhi, India	2016
3.	Rajiv Gandhi National Fellowship, Government of India	UGC, Govt. of India	2017
4.	Best Poster Presentation (International Conference on Plant Protection in Horticulture: Advances and Challenges)	Association for Advancement of Pest Management in Horticultural Ecosystems: ICAR-IIHR, Bengaluru, India	2019
5.	ICAR-NAHEP-IG for faculty upgradation [International Fellowship]	ICAR-NAHEP, Govt. of India	2023
6.	Registration of Design of Pollination Tracking AI Device	The Patent Office, Government of India	2024

### Publications

#### Research paper

Das, D., Pal, K., Sahana, N., Mondal, P., **Das, A.**, Chowdhury, S., ... & Pandit, G. K. (2023). Evaluation of morphological and biochemical parameters and antioxidant activity and profiling of volatile compounds in fifteen Dolichos bean (*Lablab purpureus* L.) genotypes of India. *Food Chemistry Advances*. **2**: 100164.

**Das, A.**, Aghora, T. S., Reddy, M. K., Nandeesh, P., & Venugopalan, R. (2021). Identification of Source of Resistance to Horse Gram Yellow Mosaic Disease (HgYMD) in French Bean (*Phaseolus vulgaris* L.). *Legume Research-An International Journal*. **1**(6).

Layek, S., Pramanik, S., **Das, A.**, Gupta, A. K., Bhunia, A., & Pandit, M. K. (2022). Effect of gamma radiation on seed germination and seedling growth of snake gourd (*Trichosanthes anguina* L.). *South African Journal of Botany*. **145**: 320-322.

- Das, A.,** Koundinya, A. V. V., Pandit, M. K., Layek, S., & Pal, S. (2018). Interrelationship and multivariate analysis of floral and fruit attributes in brinjal. *Indian Journal of Horticulture***75**: 625-630.
- Das, A.,** Sau, S., Pandit, M. K., & Saha, K. (2018). A review on: Importance of pollinators in fruit and vegetable production and their collateral jeopardy from agro-chemicals. *Journal of Entomology and Zoology Studies***6**(4): 1586-1591.
- Das, A.,** Pandit, M. K., Panja, B. N., Pandiyaraj, P., & Saha, S. (2017). In vitro germination, viability and morphology of eggplant (*Solanum melongena* L.) pollen. *Journal of Crop and Weed***13**(2): 116-120.
- Sau, S., Sarkar, S., **Das, A.,** Saha, S., & Datta, P. (2017). Space and time utilization in horticulture based cropping system: an income doubling approach from same piece of land. *Journal of Pharmacognosy and Phytochemistry***6**(6): 619-624.
- Saha, S., Chatterjee, R., & **Das, A.** (2020). Productivity enhancement of organic lettuce through use of organic manures, biofertilizers and bio-stimulants. *Vegetable Science***47**(1): 44-48.
- Adhikary, S., Pandit, M. K., Koundinya, A. V. V., Bairagi, S., & **Das, A.** (2015). Examination of system productivity and profitability of baby corn-based vegetable intercropping systems. *Journal of Crop and Weed***11**(1): 220-224.
- Das, A.,** Pandit, M. K., Bairagi, S., Saha, S., & Muthaiah, K. (2017). A study on floral morphology of brinjal genotypes in gangetic-alluvial zone of west bengal, India. *International Journal of Current Microbiology and Applied Sciences***6**(10): 3323-3331.
- Das, A.,** Pandit, M. K., Pal, S., Muthaiah, K., & Layek, S. (2017). Characterization of brinjal genotypes for growth, yield and morphological traits. *Research Journal of Agricultural Science***8**: 789-796.
- Pal, S., Sharma, H. R., **Das, A.,** & Pandav, A. K. (2017). Character association and path analysis for fruit yield and it's contributing traits in cucumber (*Cucumis sativus* L.). *International Journal of Agriculture, Environment and Biotechnology***10**(2): 163.
- Koundinya, A. V. V., **Das, A.,** Pradeep, P., & Pandit, M. K. (2017). Profiling of growth and yield parameters of eggplant as influenced by the cropping season. *International Journal of Current Microbiology and Applied Sciences***6**(5): 440-448.
- Pandiyaraj, P., Saraladevi, D., Hepziba, j. and **Das, A.** (2017). Genetic variability, heritability and genetic advance for quantitative and qualitative traits in chilli (*Capsicum annum* L.). *International Journal of Agriculture Sciences*. ISSN. 0975-3710.
- Muthaiah, K., Gasti, V. D., Sanganamoni, M., **Arindam, D.,** & Vittal, M. (2017). Combining Ability Studies for Early and Yield Traits in Ridge Gourd [*Luffa acutangula* L. Roxb]. *International Journal of Agriculture Sciences***9**(26): 4319-4321.
- Pal, S., Sharma, H., Rai, A. K., Kumar, R. and **Das, A.** (2017). Estimation of genetic divergence for yield and quality traits in cucumber (*Cucumis sativus* L.). *Green Farming***8**(2): 296-300.
- Koundinya, A. V. V., **Das, A.,** Layek, S., Chowdhury, R., & Pandit, M. K. (2017). Genetic variability, characters association and path analysis for yield and fruit quality components in Brinjal. *Journal of Applied and Natural Science***9**(3): 1343-1349.
- Pandiyaraj, P., Kumar, R., Vijayakumar, S. and **Das, A.** (2017). Modern nursery raising systems in vegetables. *International Journal of Agriculture Sciences*. ISSN. 0975-3710.
- Bhoi, S., Mahapatra, S., & **Das, A.** (2019). Different system of hybrid development in okra and cucurbitaceous vegetables. *Journal of Plant Development Sciences***11**(1): 13-18.
- Layek, S., Pandit, M. K., Kumar, S., **Das, A.,** & Upadhyay, A. (2019). Qualitative and Quantitative Characterization of Snake Gourd (*Trichosanthes anguina* L.) Mutant Lines. *International Journal of Current Microbiology and Applied Sciences***8**(8): 1797-1803.
- Pandiyaraj, P., Singh, T. H., Pandav, A. K., Sreegayathri, E., **Das, A.,** Mudhalvan, S., & Jeyaprabha, J. (2024). Breeding for Bacterial Wilt Disease Resistance in Brinjal. *International Journal of Plant & Soil Science***36**(3). 129-134.
- Chatterjee, R., **Das, A.,** Mukhia, D. J., Kumar, R., & Deori, M. (2024). Low cost protected structure to enhance vegetable production during rainy season in the foot hills of eastern Himalayan region. *Progressive Horticulture***56**(2). 205.
- Saha, S., **Das, A.,** Pradhan, K., & Chatterjee, R. (2023). Enhancement of farm income in vegetable cultivation through introduction of plastic mulching in foothills of Eastern Himalaya. *Journal of Crop and Weed***19**(2): 104-112.
- Bairagi, S., Saha, A., Pandit, M. K., & **Das, A.** (2020). Phenology and Yield of Baby Corn (*Zea mays* var. *rugosa*) as Influenced by Thermal Regime. *Int. J. Curr. Microbiol. App. Sci.* **9**(10): 1361-1369.

## Book chapters

1. **Das, A.,** Bairagi, S., Saha, K., & Mahapatra, S. (2018). Chapter-7 Generation of Novel Variants through Mutation Breeding, Tilling and Genome Editing in Vegetable Crops. Chief Editor Dr. ML

Meena, 115.

2. Mishra, S., Saha, K. and **Das, A.** (2018). Chapter-5 Reverse Breeding: A Novel Approach for Horticulture Crop Improvement. Pp. 69-83.
3. Koundinya, A.V.V., **Das, A.** and Hegde, V. (2022). Mutation breeding in tropical root and tuber crops. Mutation breeding for sustainable food production and climate resilience. **Pub:** Springer Nature.

## Popular Articles

Citation of the Article	Source of Publication	Date / Volume
Bamboo Heritage : North eastern States of India	Kerala Karshakan : e-journal: Govt of Kerala	November, 2018
Role of Plant Quarantine in Pest and Disease Management	Readers Shelf (ISSN : 2321-7405)	January, 2019
Mealy bug Emerging pest in vegetables	Kerala Karshakan : e-journal:Govt of Kerala	January, 2019
Winged Bean: A Multipurpose Protein Rich Legume	Kerala Karshakan : e-journal: Govt of Kerala	October, 2018
Role of women in conserving Agro-biodiversity	ICAR-IIHR: Students newsletter	January-March, 2017
Mungbean Yellow Mosaic Virus: a threat to french bean production in India	Kerala Karshakan : e-journal: Govt of Kerala	February, 2018
Plastic mulche : The technology to boost production of vegetable crops	Kerala Karshakan : e-journal: Govt of Kerala	August, 2017
Moringa : Nutritive importance and Its medicinal application	Kerala Karshakan : e-journal: Govt of Kerala	August, 2017
Civet coffee (kopi luwak) : world's most expensive coffee	Kerala Karshakan : e-journal: Govt of Kerala	November, 2018
Ultrasonication in Food Preservation	Kerala Karshakan : e-journal: Govt of Kerala	January, 2019
TILLING: A Novel Approach for Vegetable Crop Improvement	Readers Shelf (ISSN : 2321-7405)	January, 2019
Plant Growth Promoting Rhizobacteria: Apotential Green Alternative for Enhanced Vegetable Productivity	Readers Shelf (ISSN : 2321-7405)	April, 2019
Aero Root Pruning an Innovation in Vegetable Nursery Business to Enhance the Farm Income	Readers Shelf (ISSN : 2321-7405)	June, 2019
Seed Potato Production with Special Reference to Aeroponics	Readers Shelf (ISSN : 2321-7405)	March, 2019
Horse Gram Yellow Mosaic Virus – A Threat to Legume Production in Peninsular India	Readers Shelf (ISSN : 2321-7405)	September, 2019
School Garden: Food and Nutritional Security for Children	Readers Shelf (ISSN : 2321-7405)	September, 2019
Role of Insect Pollinators in Improvement of Vegetable Crops	Readers Shelf (ISSN : 2321-7405)	April, 2019

## Professional Trainings

1. Completed three months **International training at New Mexico State University, USA** during 12<sup>th</sup> Sept, 2023-05<sup>th</sup> Dec, 2023 [*Transcriptome analysis in peanut upon stem rot infection*] funded by ICAR-NAHEP, Government of India
2. Attended and participated in **International Training Workshop on Farming Systems Design Towards Zero Hunger and Zero Carbon at ICRISAT**, Patancheru, Hyderabad, India during 07.11.2022-12.11.2022 jointly organized by ICRISAT, CIMMYT, ICAR, CGIAR & Dr. Reddy's Foundation.
3. Attended and completed the **Trainer of Instructors workshop 'Trigger Change! Innovative Sustainable Agriculture Solutions for Land Restoration'** organized by UNCCD's G20 Global Land Initiative and the Heartfulness Institute from 1-4 July at Kanha Shanti Vanam, Hyderabad, India
4. Participated in Online Training Programme of Recent Advances in **Chilli Crop Improvement** (Sept 7th – 9th, 2022) held at ICAR-Indian Institute of Horticultural Research, Bengaluru, India.
5. Participated and completed **21 days winter school on 'Impact of climate change on agriculture and allied sector: adaptation and mitigation towards sustainability and livelihood security'** sponsored by the Indian Council of Agricultural Research, New Delhi, India, during 14<sup>th</sup> Feb – 6<sup>th</sup> March, 2025, at UBKV, India
6. Participation in the **two days' Workshop Cum Training** entitled '**Intellectual Property Rights In Agriculture**', UBKV, 18-19th December, 2022.
7. **Transcriptomics (Bio-informatics) at Edufabrica & Indian Institute of Technology, Kharagpur**, West Bengal, India (30/01/-25/02/2021)
8. **Digital Teaching Techniques (MOOC) from National Academy of Agricultural Research Management, Hyderabad**, India (01/12-31/12/2021)
9. **Computer Aided Designs for Landscaping, ICAR-Indian Institute of Horticultural Research, Bengaluru**, India (07/09-09/09/2017)
10. **Faculty Development Program on Data Analysis using Advanced Excel and Visual Basic Programming, Presidency University, Bengaluru**, India (01/08-03/08/2019)
11. HRD Programme on '**Application of digital means in documentation and transfer of agricultural technologies**' organized by Directorate of Extension, UBKV, WB, India (08/10-10/10/2020)
12. Two days training on '**Networking of farmers and farm women through institutional intervention**' at Cooch Behar KVK, WB, India (14/12-15/12/2020)
13. Two days training on **Entrepreneurship Development through High-Tech Horticulture at Bidhan Chandra Krishi Vishwavidyalaya, West Bengal**, India (06/08-07/08/2021)
14. Assisted Pollination Technique in Custard Apple Hybrid Arka Sahan, ICAR- Indian Institute of Horticultural Research, Bengaluru, India (03/05/2017)
15. National workshop on '**Advancement in Research & Development of Plantation, Spices, Medicinal & Aromatic Crops: 2020 & Vision 2030**' at Bidhan Chandra Krishi Vishwavidyalaya, West Bengal, India (24/08/2020)
16. Online training on '**Banana tissue culture production: Opportunities for new entrepreneur**' at CAU, Pasighat, India (20/10/2020)
17. Special skill & virtual training on '**Nursery production and management of horticultural crops for young entrepreneur**' at CAU, Pasighat, AP, India (29/10/2020 & 31/10/2020)
18. Online Training on Sandalwood at Anand Agricultural University and Chandan Vikash Association, India. (09/04-11/04/2021)

### List of ongoing projects in which the applicant has a role of PI/ Co-PI

- Short Research Activities (SRA) on “Intercropping options in Maize” funded by ACIAR with CIMMYT and CSIRO, Australia (2021- 2023)
- Project on “wide-row intercropping in the Indo Gangetic Plain [India, Bangladesh] & Bhutan” funded by ACIAR with CIMMYT and CSIRO, Australia (2023- continuing)
- Natural farming research and scaling in India-University of Birmingham-UBKV MoU Project [2025-26]
- ICAR SC-SP project on Empowering Scheduled Caste (Sc) Community Farmers/Rural Youth Of Coochbehar District, West Bengal Through Adoption Of Grafting Technology In Vegetable Cultivation For Employment Generation And Livelihood Upliftment [2024-2027]
- Biotech Krishi Innovation Science Application Network (Biotech-Kishan) Hub at Sikkim University association with UBKV (Partner Institute), DBT, Govt. Of India. [2022-2024]
- Associated Scientist, King Chilli Trial [ Evaluation of morphological parameters and pest-disease reaction of gamma ray treated King Chilli ], Bhabha Atomic Research Centre (BARC)-UBKV MoU Programme 2022-24.
- Scaling up and dissemination of appropriate technologies for vegetable-based year round cropping sequences under low cost protected structures - funded by NABARD, Govt, of India. [2022-2024]
- Associated Scientist at ICAR-All India Co-ordinated Project on Vegetable Crops (Pundibari, CoochBehar Centre) [2020-till date]
- Evaluation of bio-efficacy of Fantac Plus, Platina, Abdadrp, Abda Gold, Guard 5 and Impel on Plant growth and yield parameters in chilli, Tomato, Potato and Paddy- funded by Coromondel Int. Ltd. (Completed)
- Evaluation of Bioefficacy of Growstim on plant Growth and Yield of Chilli funded by Coromandel International Limited. During 2022-2023 (Completed)
- Performance of NASA Gold as growth promoting substance on vegetable – funded by Tropical Agro. Sys. Ltd., Chennai, India (Completed)
- Study of bio-stimulants viz. Boom gold glycine 0.20% w/w and Boom Tet- Tryptophan 0.10% w/w for yield and yield attributing traits in Tomato – funded by Devi Crop Science, Kolkata, India. (Completed)
- Phytotoxicity study of some fungicides applied through drone on Tomato, Potato & Chilli against some important diseases: 2022-2023– funded by Coromondal International ltd. (Completed)
- Bioefficacy evaluation of BIL324 in Tomato funded by Biostadt Ind Pvt Ltd. [2024-2026]

### Instructional activities

- Associated to 15 (Fifteen) UG, PG and Ph.D. courses on breeding, production and biotechnology in vegetable crops

Level	Odd Semester	Credit	Even Semester	Credit
UG	VSC-301, VSC-302,	6	VSC-151, VSC-351	6
PG	VSC-501, VSC-504, VSC-510, VSC-506	11	VSC-502	3
Ph.D	VSC-608	3	VSC-607, VSC-602, VSC-605	8

Course number	Level	Course name and credit	Role
VSC-604	PG	Biotechnology of Vegetable Crops (2+1)	Course-Instructor
VSC-602	PG	Advances in Breeding of Vegetable Crops (2+1)	Course-Instructor
VSC-509	PG	Precision Farming in Vegetable Crops (2+1)	Course-Instructor
VSC-502	PG	Production Technology of Warm Season Vegetable Crops (2+1)	Course-Instructor
VSC-503	PG	Breeding of vegetable crops (2+1)	Course-Instructor
VSC-506	PG	Systematics of vegetable crops (1+1)	Course-Instructor
VSC-501	PG	Production technology of cool season vegetable crops (2+1)	Course-Leader
VSC-591	PG	Credit Seminar (1+0)	Course-Instructor
VSC-351	UG	Precision Farming and Protected Cultivation (2+1)	
VSC-302	UG	Breeding of vegetable, tuber and spice crops (2+1)	Course-Instructor

VSC-301	UG	Temperate vegetable crops (1+1)	Course-Instructor
VSC-151	UG	Tropical & Sub-Tropical vegetables (2+1)	Course-Instructor
SR-ELP	UG	Mass multiplication of Plant and Molecules through Tissue Culture (0+10)	Course-Instructor

• **RESEARCH GUIDANCE AS CHAIRMAN – MASTER’S LEVEL**

Sl no	Name of students	Title of the Thesis	Year
1.	Ms. Nayana B A	Studies on Character Association, morphological and molecular diversity in Dolichos Bean ( <i>Dolichos lablab</i> L.)	Completed
2.	Ms. Sura Venkata Vaishnavi	Variability, Character Association, and Diversity Analysis in Chilli ( <i>Capsicum annuum</i> L.) genotypes	Completed
3.	Ms. Debapriya Sarkar	Characterization of Gamma Ray Induced Putative Mutant Lines of King Chilli ( <i>Capsicum chinense</i> Jacq.)	2022-2024
4.	Ms. Devika J	Evaluation of chilli F1 Hybrids against yield and CMMVD resistance	2023-till date
5.	Pardeep	Mutation Breeding in King Chilli: Evaluation of Gamma Ray-Induced M5 Lines for Yield and Quality Traits	2024-till date
Acting as Member, Advisory Committee of seven M.Sc students of Department of Vegetable & Spice Crops, Department of Biochemistry & Department of Pomology and Post Harvest Technology			

• **RESEARCH GUIDANCE AS CHAIRMAN – Ph.D LEVEL**

Sl no	Name of students	Title of the Thesis	Year
1.	Ms. Debapriya Sarkar	Advisory committee formation yet to submit	2024-till date
Acting as Member, Advisory Committee of four Ph.D students of Department of Vegetable & Spice Crops, Department of Agronomy & Department of Plant Pathology			

**Participation/Presentation in Seminar/ Symposium, Workshop & Others**

Sl. No.	Details of Programme	Level	Period	Title of Presentation
1.	International seminar on “Integrating Agriculture & Allied Research: Prioritizing Future Potentials for Secure Livelihoods (ISIAAR)” at BCKV, Kalyani, WB, India	International	06/11-09/11/2014	Role of wild relatives in improving eggplant resistance to biotic stresses
2.	National Seminar on “Sustainable Agriculture for Food Security and Better Environment” at BCKV, Kalyani, WB, India	National	17/12-18/12/2015	Insect pollinator diversity in brinjal ecosystem in southern Bengal
3.	National Symposium on “Vegetable Legumes for Soil and Human Health” at ICAR-IIVR, Varanasi, UP, India	National	12/02-14/02/2016	Potential of legume vegetables to combat protein energy malnutrition in rural and marginal households through homestead garden

4.	East Zone Meet cum National Symposium 2016 (Plant Health Management for Food Security and Safety), at BCKV, Kalyani, WB, India	National	08/12-09/12/2016	Organic farming as a safe alternative tool to improve quality parameters of vegetable crops
5.	International Conference on 'Global Perspectives in Virus Disease Management' (Virocon 2016), ICAR-IIHR, Bengaluru, India	International	08/12-10/12/2016	Participation
6.	National Conference on Horticultural Education: Current Status and Future Prospects, ICAR-IIHR, Bengaluru, India	National	24/09/2016	Participation
7.	National Seminar on Enhancing Productivity of Fruit Crops- Mitigating major Challenges, ICAR-IIHR, Bengaluru, India	National	08/01/2017	Importance of pollinators in fruit crop production and their collateral jeopardy from agro-chemicals
8.	International Symposium on "Eco-Efficiency in Agriculture & Allied Research" at BCKV, Kalyani, WB, India	International	20/01-23/01/2017	Informal seed distribution through kinship exchange system-a tool for food security and enhancement of genetic diversity
9.	International Symposium on "Eco-Efficiency in Agriculture & Allied Research" BCKV, Kalyani, WB, India	International	20/01-23/01/2017	Sustainable livelihood support and role of minor cucurbits in rural settings-a review
10.	National Seminar on "Nutrients and Pollutants in soil-plant-animal- human continuum for sustaining soil, food and nutritional security – way forward" at BCKV, Kalyani, WB, India	National	09/06-10/06/2017	Micronutrient fertilization effects on yield, quality and economics of rainy season guava cultivation
11.	National Seminar on "Nutrients and Pollutants in soil-plant-animal- human continuum for sustaining soil, food and nutritional security – way forward" at BCKV, Kalyani, WB, India	National	09/06-10/06/2017	Biofortification: a bold step towards nutritional security
12.	National Seminar on "Nutrients and Pollutants in soil-plant-animal- human continuum for sustaining soil, food and nutritional security – way forward" at BCKV, Kalyani, WB, India	National	09/06-10/06/2017	Improvement of nutrient use efficiency in crops- a review
13.	International Symposium on Horticulture: Priorities & Emerging Trends at ICAR-IIHR, Bengaluru, India	International	05/09-08/09/2017	Heterosis and combining ability studies in tomato for yield and quality traits
14.	International Symposium on Horticulture: Priorities & Emerging Trends at ICAR-IIHR, Bengaluru, India	International	05/09-08/09/2017	Correlation and path coefficient analysis for vegetative and yield

				attributing characters in brinjal
15.	International Symposium on Horticulture: Priorities & Emerging Trends at ICAR-IIHR, Bengaluru, India	International	05/09-08/09/2017	Variable rate application (VRA) in precision horticulture: need of the hour
16.	International Symposium on Horticulture: Priorities & Emerging Trends at ICAR-IIHR, Bengaluru, India	International	05/09-08/09/2017	Genetic mechanism of sex expression in vegetable crops
17.	International Symposium on Horticulture: Priorities & Emerging Trends at ICAR-IIHR, Bengaluru, India	International	05/09-08/09/2017	Multivariate analysis of fruit quality traits of brinjal ( <i>Solanum melongena</i> L.)
18.	National Conference on Horticultural Crops of Humid Tropics Diversification for Sustainability at BCKV, Kalyani, India	National	20/05-21/05/2017	A study on floral biology of eggplant in lower gangetic plains of West Bengal
19.	National Symposium on 'Emerging trends in plant health management in relation to climate change' at Bengaluru, India	National	12/09/2017	Mechanisms of resistance to begomoviruses in vegetable crops
20.	National Seminar on Sustainable Potato Production: Issues and Strategies at BCKV, Kalyani, India	National	15/09/2017	Improvement of potatoes by biotechnological approaches
21.	National Seminar on Sustainable Potato Production: Issues and Strategies at BCKV, Kalyani, India	National	15/09/2017	Breeding of potato for high temperature tolerance and climate change
22.	35th Group Meeting of All India Coordinated Research Project on Vegetable Crops, ICAR-IIHR, Bengaluru, India	National	24/06-27/06/2017	Participation
23.	Consortium meeting: Breeding for resistance to tospovirus and begomoviruses in vegetable crops, ICAR-IIHR, Bengaluru, India	National	26/06/2018	Participation
24.	One day interactive meeting: Academia-Vegetable Seed Industry Workshop for developing solutions to the Plant Virus Problems, ICAR-IIHR, Bengaluru, India	National	15/09/2018	Participation
25.	International Conference on Plant Protection in Horticulture: Advances and Challenges, ICAR-IIHR, Bengaluru, India	International	24/07-27/07/2019	Towards validation of molecular markers linked to yellow mosaic disease resistance in French bean ( <i>Phaseolus vulgaris</i> L.)
26.	National Level Online Quiz on "General Horticulture" Organized by Department of Agriculture,	National	27/07-28/07/2020	Participation

	Mandsaur University, Mandsaur, India			
27.	“National Webinar” entitled “Revitalizing Horticulture through Strategic Postharvest Intervention” at UBKV, WB, India	National	28/08/2020	Participation
28.	International Symposium (online) on ‘Food Security and the stand of Civilization: Agri-Horti-Livestock Dynamics in changing Global Economy’ organized by BCKV, India, Lincoln University College, Malayasia & University of Bengkulu, Indonesia	International	20/09/-21/09/2020	Participation
29.	“Quality Organic Spices and its business opportunities in North- East Region” organized by the College of Horticulture and Forestry, Central Agricultural University (Imphal), Pasighat, Arunachal Pradesh, India	National	05/11-07/11/2020	Participation
30.	Online Lecture entitled “Innovative Water-Soluble Fertilizer Formulation for Crop Nutrition Solution” at UBKV, WB, India	National	16-12-2020	Participation
31.	Secondary Agriculture for Agricultural Income Enhancement” organized by Department of Horticulture, Rajasthan College of Agriculture, Maharana Pratap University of Agriculture & Technology, Udaipur (Rajasthan), India	National	09/04/2021	Participation
32.	Webinar on Advances in Extension Methodologies for Better Animal Husbandry Practices organized by Cooch Behar Krishi Vigyan Kendra, UBKV, WB, India	National	24/04/2021	Participation
33.	National Symposium on Ornamental and Edible Horticulture Emerging Challenges and Sustainable Goals at BCKV, Kalyani, WB, India	National	21/02-22/02/2022	Interrelationships among Morphological, Quality Traits, Yield Parameters and External Weather Variables on Fruit and Shoot Borer Infestation in Eggplant
34..	Two-day Webinar on ‘Emerging Agricultural Marketing Trends and Challenges’ at AAU, Gujrat, India	National	29/04/-30/04/2022	Participation
35.	6th International Symposium on Minor Fruits, Medicinal & Aromatic Plants: Health, Wealth and Sustainability; UBKV	International	24-26th November, 2022	Presentation
36.	National Seminar on Climate Resilient and Input Efficient Agriculture for Food Security, UBKV	National	January 19-20, 2023	Presentation
37.	National conference on ‘Technological Advancement, Innovation and Entrepreneurship Development in Agriculture and Allied Sectors’, UBKV		16-18th March, 2023	Presentation

38.	7 <sup>th</sup> International Symposium on Minor Fruits, Medicinal & Aromatic Plants at Institute of Agriculture, Visva-Bharati, Sriniketan, India	International	22-23 <sup>rd</sup> Nov, 2024	Presentation- Advancement in grafting: Exploring molecular interactions and epigenetic mechanisms for enhanced crop resilience.
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### University Corporate Responsibility

- Member, Departmental committee, Department of Vegetable and Spice Crops, UBKV, Cooch Behar, WB, India (2020-till date)
- Member, Competitive Examination Coaching Cell, UBKV, Cooch Behar, WB, India, (2020-till date)
- Member, Faculty Accreditation Committee, Faculty of Horticulture, UBKV, WB, India (2021-till date)
- Member, Central Admission Committee for Under Graduate admission, UBKV ( 2022-24)
- Acted as Lecturer, All India Study Tour Programme of B.Sc Hons. (Horti.) of Adhiparasakthi Horticultural College, Affiliated to TNAU, Coimbatore
- Member of Organising Committee, National Seminar on ‘Horticulture for sustainable Development, Nutritional & Livelihood Security’, UBKV, 26th – 27th May, 2022
- Acted as Rapporteur, National Seminar on ‘Horticulture for sustainable Development, Nutritional & Livelihood Security’, UBKV, 26th – 27th May, 2022
- Resource person in SCSP farmers’ training programme at Chaitanyhat, Pundibari on 05.02.2021
- Resource person in DAESI 8th Batch Training Programme of Jalpaiguri KVK, WB, India (21/04/2022)
- Resource person in DAESI 8th Batch Training Programme of Jalpaiguri KVK, WB, India (23/03/2023)
- Resource person in DAESI Training Programme of Cooch Behar KVK, WB, India (02/03/2023)
- Resource person in Residential FPO Training Programme of Cooch Behar KVK, WB, India (28/07/2022)
- Acted as external examiner & thesis evaluator for M.Sc Students, BCKV on 16.08.2022
- Acted as external examiner & thesis evaluator for M.Sc Students, BCKV on 09.08.2023
- Horticulture Stall Manager, National training cum technology week, UBKV, 2022.
- Resource person in Farmers Mobilization Programme in BARADOLA Farmers Producer Company Ltd, Mathabhanga, CoochBehar, WB
- Member, Venue & Track Management, Annual Athletic Meet, 2023
- Member, Venue & Track Management, UBKV Annual Sports-2024
- Member, National Seminar on Climate Resilient and Input Efficient Agriculture for Food Security, UBKV, January 19-20, 2023.
- Resource person at DAESI 10TH Batch training Programme at Jalpaiguri KVK, Jalpaiguri, West Bengal (21.03.2023)
- Member, Organising Committee, 6th International Symposium on Minor Fruits, Medicinal & Aromatic Plants: Health, Wealth and Sustainability; UBKV, 24-26th November, 2022.
- Resource person at Farmers Meeting on Intercropping Vegetables With Maize at ADA Admin, Siliguri, Govt. of WB, on 28.11.2022
- Resource person in ASCII, Skill development of India, January, 2023
- Resource person in MIDH farmers training, 2022
- Resource person for training on Food Processing under ICAR SC-SP during 15.02.2022-16.02.2022
- Resource person in the RAWE prograame at Coochbehar KVK on 24.09.2021
- Resource person in DAESI training programme of Jalpaiguri KVK on 28/07/2022
- Resource person in farmers training programme at DHO, Jalpaiguri on 23.02.2022
- Resource person in two days training programme of farmers under MIDH during 15-16<sup>th</sup> Feb, 2023 at Patlakhawa, Coochbehar on ‘Promotion of Spices cultivation towards crop diversification for better livelihood’.

- Resource person in farmers' training cum input distribution programme at Barorangros village, Coochbehar under SCSP-AICRP on Spices on 10.03.2023
- Resource person in 15 days long residential FPO training for fertilizers, seeds & agrochemicals dealers at Coochbehar KVK on 22.03.2023
- Resource person in DAESI programme 2022-23 at Purba Medinipur KVK, BCKV on 08.05.2023
- Resource person regarding delivery of lecture in DAESI training programme of Jalpaiguri KVK on 28<sup>th</sup> August, 2024.
- Acted as Rapporteur, 7<sup>th</sup> International Symposium on Minor Fruits, Medicinal & Aromatic Plants at Institute of Agriculture, Visva-Bharati, Sriniketan, India during 22-23<sup>rd</sup> Nov, 2024.
- Resource person in ICAR Research Complex for NEHR, Sikkim centre, Tadong, Gangtok, Sikkim-737102 during 3<sup>rd</sup> – 4<sup>th</sup> January, 2024
- External examiner for setting question paper for End-Term examination of Bihar Agricultural University, Bhagalpur, India
- External examiner for setting question paper for End-Term examination of Institute of Agriculture, Palli Shiksha Bhawan, Visva-Bharati University, Shantiniketan, West Bengal, India
- Member, Organizing Committee, 6<sup>th</sup> National Conference on 'Nature based solution for achieving sustainable development goals' on 5-6<sup>th</sup> March, 2024 at UBKV, WB
- Co-ordinator, STUDENT READY programme-Placement in Industries (Since 2023) for 7<sup>th</sup> Semester B.SC Horticulture (Hons.) students
- Member, Distance Education Unit, UBKV (2024-25)
- Member, Plant Tissue Culture Laboratory Management Committee, Faculty of Horticulture, UBKV (Since 2024)
- Resource person in farmers' training cum input distribution programme under AICRP on Spices at Natunpara, Salkumar, West Bengal, India on 12.03.2025 & 13.03.2025.

### PROFESSIONAL MEMBERSHIPS AND AFFILIATION

- Life member of Society for Promotion of Horticulture, ICAR-Indian Institute of Horticultural Research, Bengaluru, India with effect from July, 2020.
- Life member of Indian Society of Vegetable Science, ICAR-Indian Institute of Vegetable Research, Varanashi, India from September, 2024.

### Research Interests

- Farming system/Sustainable agriculture/Natural farming/Carbon credit/Climate smart agriculture
- Breeding for Virus Resistance in Vegetable Crops, Molecular Biology and Biotechnology in Vegetable Crops
- Plant-Pollinators interaction in Vegetable Crops

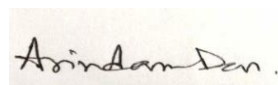
### Present Research Engagement in The University

- ❖ Intercropping options of vegetables in Maize in a sustainable way
- ❖ Grafting in vegetables – environment-friendly and sustainable approach
- ❖ Natural farming of major vegetables crops
- ❖ Cultivation of off-season vegetables under protected conditions- uplifting farmers' income
- ❖ Biotic stress resistance (especially vector-borne virus diseases- Chilli leaf curl and Chilli veinal mottle mosaic virus disease) in chilli.
- ❖ Breeding Dolichols bean for yield, quality and photo-insensitiveness.

The information provided is correct so far, my knowledge.

Place: Cooch Behar, West Bengal, India

Date: 11<sup>th</sup> April, 2025



(Arindam Das)