



**UNIVERSITY OF CALCUTTA**  
**FACULTY ACADEMIC PROFILE/ CV**



*(Dr. Ankan Das)*

**A. General Details**

1.	<b>Full name of the faculty member</b>	<b>Dr. Ankan Das</b>
2.	<b>Designation</b>	Assistant Professor (Senior Scale)
3.	<b>Specialization</b>	Post Harvest Technology of Horticultural Crops
4.	<b>Contact information</b>	Ankan Das, Assistant Professor, Department of Horticulture, Institute of Agricultural Science, University of Calcutta, 51/2 Hazra Road, Kolkata 700019
5.	<b>E-mail id</b>	<a href="mailto:ankandas660@gmail.com">ankandas660@gmail.com</a> ; <a href="mailto:adhrt@caluniv.ac.in">adhrt@caluniv.ac.in</a>
6.	<b>Contact no</b>	9836591680
7.	<b>Permanent residential address</b>	Sukantapally, Bhubandanga, Bolpur, Dist: Birbhum, Pin: 731204, West Bengal.

## **B. Academic qualifications**

1.	College/ University from which the degree was obtained	Abbreviation of the degree
2.	Uttar Banga Krishi Viswavidyalaya	B.Sc. (Horticulture)
3.	Bidhan Chandra Krishi Viswavidyalaya	M.Sc. (Horticulture) in Post Harvest Technology of Horticultural Crops
4.	Bidhan Chandra Krishi Viswavidyalaya	Ph.D. in Horticulture (Post Harvest Technology of Horticultural Crops)
5.	A.S.R.B.	N.E.T.

## **C. Positions held/ holding:**

- Assistant professor, Department of Horticulture, University of Calcutta
- Head, Department of Horticulture, University of Calcutta from November, 2018 till January, 2021.
- Member of the Senate of the University of Calcutta from November, 2018 till January, 2021.
- Member of the Research Advisory Committee of the Department of Horticulture from November, 2022.
- Head, Department of Horticulture, University of Calcutta from February, 2023 and continuing
- Member of the Senate of the University of Calcutta from February, 2023 and continuing

## **D. Research interests:**

- Priming and seed development attributes in horticulture
- Biofortification in horticultural crops
- Value addition of horticultural crops.
- Quality maintenance and shelf-life enhancement of horticultural crops

## **E. List of publications**

### **1) Journals**

- Das, P., Roy, M., Sahoo, S. and **Das, A.** (2024). Soil Diversities in Regards to Horticultural Variabilities. Environment and Ecology 42 (4): 1584—1589.
- **Das, A.**, Chhetri, R. and Dhakre, D.S. (2024). Seed Cold Stratification and Seedling Cycocel Application Affect Papaya Attributes. Applied Fruit Science, 66:2035–2043.

- Adak, B and **Das, A.** (2024). Study on Response of Foliar Application of 6-benzylammino Purine on Field and Post-harvest Life of Pak Choi. *Ecology, Environment and Conservation*. 30 (2): 481-485.
- Chhetri, R., Saren, S. and **Das, A.** (2023). Basic phytochemical analysis of Cape gooseberry (*Physalis Peruviana L.*) fruits obtained from Kolkata market. *Plant Archives*. 23(2): 276-278.
- Mohapatra, S., Bhanj, P.U., Roy, M. and **Das, A.** (2023). Development of nutritionally enhanced pomegranate peel powder by blending with certain spices. *Environment and Ecology*. 41(2): 802-806.
- Mondol, S. and **Das, A.** (2023). Use of low cost hydroponics technique for growing coriander at laboratory conditions. *Ecology, Environment and Conservation*. 29(2): 589-595
- Sen, J. and **Das, A.** (2022). Combination of halo priming accompanied with hormonal priming on papaya seed development. *International Journal of Agriculture, Environment and Biotechnology*. 15(03): 675-681.
- Roy, B. and **Das, A.** (2022). Effect of solid matrix priming combined with plant extracts on seedling studies of papaya. *International Journal of Agriculture, Environment and Biotechnology*. 15(03): 669-674.
- Mondal, T. and **Das, A.** (2022). Study on hydro priming on pomegranate seeds for germination and seedling vigour. *Ecology, Environment and Conservation*. 28(2): 869-873.
- Roy, J. and **Das, A.** (2022). Study on influence of osmopriming by polyethylene glycol 6000 on germination of papaya seeds. *Plant Archives*. 22(2): 507-511.
- **Das, A.** (2022). Post harvest operation in minor fruits of temperate and subtropical type. *Environment and Ecology*. 40(2B): 708-175.
- **Das, A** and Dhua, R.S. (2021). Development of fresh and minimally processed banana inflorescence. *Plant Archives*. 21(01): 1561-1566.
- Deb, H. and **Das, A.** (2021). Influence of sun drying and sucrose on adventitious root development from pineapple crown. *International Journal of Agriculture, Environment and Biotechnology*. 14(03): 405-409.
- Mandal, P. and **Das, A.** (2021). Effect of tea as potting substrate on germination and seedling growth of papaya seeds. *International Journal of Agriculture, Environment and Biotechnology*. 14(04): 495-499.
- Sarkar, P. and **Das, A.** (2021). Effect of potassium nitrate priming and different growing media on papaya seed germination. *International Journal of Agriculture, Environment and Biotechnology*. 14(03): 453-459.
- Roy, M., Bhanj, P.U., Mohapatra, S. and **Das, A.** (2021). Study on preparation of pomegranate jam fortified with extracts of some horticultural plants. *International Journal of Current Microbiology and Applied Sciences*. 10(09): 114-120.

- Bhanj, P.U., Mohapatra, S., Roy, M. and **Das, A.** (2021). Standardization of methods for preparation of pomegranate jam. *Journal of Postharvest Technology*. 09(4): 67-73.
- **Das, A.** (2021). Microencapsulation and its utilization in the sector of horticulture: a review. *Plant Archives*. 21(2): 328-332.
- Kumar, M., Das, K. and **Das, A.** (2020). Study on development and storage analysis of pomegranate leather. *Plant Archives*. 20(02): 4181-4186.
- Ngangom, R., Reang, P. and **Das, A.** (2019). Study on development of suitable ways for preparation and preservation of dehydrated pomegranate arils. *International Journal of Chemical Studies*. 7(5): 1034-1038.
- Das, K., Kumar, M. and **Das, A.** (2019). Standardization of packaging material and storage condition for pomegranate leather. *International Journal of Current Microbiology and Applied Sciences*. 8(08): 2748-2760.
- Guin. J. and **Das. A.** (2019). Variable Geographical Situations with subsequent Horticultural Diversities across the State of West Bengal. *RESEARCH REVIEW International Journal of Multidisciplinary*. 4(03) 929-934.
- **Das. A.** and Dhua, R.S. (2019). Standardization of Drying Techniques to Develop Ready to Cook Banana Inflorescence. *International Journal of Current Microbiology and Applied Sciences*. 8(03): 1523-1536.
- **Das, A.**, Mandal, S. and Dhua, R.S. (2019). Studies on the post harvest life of fresh cut broccoli florets. *Indian Journal of Pure and Applied Biosciences*. 7(5): 68-76.
- **Das, A** and Dhua, R.S. (2019). Study for Determination of Suitable Pre treatment Combination and Dehydration Temperature for Broccoli Florets. *International Journal of Current Microbiology and Applied Sciences*.8(10): 727-741.
- Reang, P. Ngangom, R and **Das, A.** (2019). Study for determining suitable packaging material for dehydrated pomegranate arils. *Research Journal of Agricultural Sciences.*, 10(3): 614-617.

## **2). Books/ book chapters:**

- **Das, A.** and Sharangi, A.B. (2022). Postharvest care of medicinal and aromatic plant: a reservoir of many health benefitting constituents. Medicinal Plants Bioprospecting and Pharmacognosy. Editors; Sharangi, A.B. and Peter, K.V. *Taylor & Francis Group, CRC Press*. pp: 387-408.
- **Das, A.** and Sharangi, A.B. (2022). Attributes influencing biosynthesis of secondary metabolite and aroma volatiles in plants, on and off the field. Aromatic Plants The Technology, Human Welfare and Beyond. *Nova Science Publishers, New York*, Editor; Sharangi, A.B. pp: 217-244.
- **Das. A** and Sharangi, A.B. (2018). Post harvest technology and value addition of spices. Indian Spices: The Legacy, Production & Processing of India's Treasured Export. *Springer International Publication, Springer Nature*, Editor; Sharangi, A.B. pp: 249-276.

### **3). Other publications:**

- **Das, A.** (2023). Nondon kanone chakri (edited by: Anindya Singha Choudhury). Protidin Newspaper. 26<sup>th</sup> October 2023 issue, pg-5
- **Das, A.** (2023). Udyanbidyay carrer. Aajkal Newspaper. 11<sup>th</sup> September 2023 issue, pg-9.
- Mondol, S. and **Das A.** (2023). Hydroponics and Horticulture. Vigyan Varta: An international E-Magazine for Science Enthusiasts. Special Issue 2. 40-42
- Acharyya, P. and **Das, A.** April 2017. Horticulture in India: consumption at household level. Kurukshetra. Pp: 35-38

### **F. Membership of Learned Societies:**

- Life Member: Agricultural Society of India
- Life Member: Crop and Weed Science Society
- Life Member: Society of Bio-resource, Environment and Agricultural Research
- Life Member: Society for Biotic and Environmental Research

### **G. Invited lectures delivered:**

- Invited Lecture in Rural Horticultural Work Experience programme entitled “Horticultural value addition and entrepreneurship”, organized by Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia.
- Invited Lecture in officer’s training programme entitled ‘Value addition and commercialization of selected agricultural produce in West Bengal on 19<sup>th</sup> June, 2024 in Agricultural Training Centre, Ramkrishna Mission Ashrama, Narendrapur, Kolkata
- Invited Lecture in officer’s training programme entitled ‘Value addition and commercialization of selected agricultural produce in West Bengal on 21<sup>st</sup> November, 2023 in Agricultural Training Centre, Ramkrishna Mission Ashrama, Narendrapur, Kolkata
- Lecture Deliberation as resource person on online Short-Term Course (STC) on “Agriculture and Rural Development” organized by UGC-HRDC, University of Calcutta from March 02-08, 2022.
- Served as the Co-chairman of Technical session” Post Harvest Technology, Nutrition and Value Addition” in the National symposium on “Role of Resource management in Agriculture in the context of Food security, Nutrition and Economy” held from 15-17<sup>th</sup> December 2018 at Institute of Agricultural Science, University of Calcutta.
- Lecture Deliberation in the state level Seminar on Role of Bio-Technology in Improving Quality of Rural Life held on 10<sup>th</sup> November, 2016 at Vivekananda Institute of Bio-Technology, Nimpith, 24 Parganas (South) W.B.

## **H. Awards:**

- University Gold Medal for B.Sc. (Hort.) Hons.
- University Gold Medal for M.Sc. (Hort.) in Post Harvest Technology of Horticultural Crops
- Young Scientist Award-2023 from Society for Biotic and Environmental Research
- Excellence in Academics Award-2024 from Society for Agriculture, Allied Sciences & Technology
- Best Oral Presentation Award in the 7<sup>th</sup> International Symposium on Minor Fruits, Medicinal & Aromatic Plants in Visva-Bharati during 22-23 November, 2024

## **I. Paper Presentation in National & International Conferences, Symposiums and Seminars**

*(since joining in University of Calcutta)*

- 7<sup>th</sup> International Symposium on Minor Fruits, Medicinal & Aromatic Plants organized by Department of Horticulture & Postharvest Technology, Institute of Agriculture, Visva-Bharati during 22-23 November, 2024
- Seventh International conference on Advances in Agriculture Technology and Allied Sciences (ICAATAS 2024) on 15-16<sup>th</sup> September 2024 held in School of Agriculture and Allied sciences, The Neotia University, West Bengal,
- National Symposium on ‘Strategies for Improving Agricultural Productivity and Farmer’s Income in the Context of Climate Change’. Organized by Agricultural Society of India and Institute of Agricultural Science during 16<sup>th</sup> - 18<sup>th</sup> December, 2023
- International Conference on ‘Advancement in Plant Health Research- Retrospect & Prospect’. Organized by Society for Biotic and Environmental Research in Visva Bharati from 7-8<sup>th</sup> December, 2023
- International Conference on ‘Agricultural Innovations for sustainable Development Goals with Special Focus on Natural Farming (AISDGONF-2023), Organized by Crop and Weed Science Society (CWSS) at Farmers’ Academy and Convention Centre, Bidhan Chandra Krishi Viswavidyalaya, West Bengal.
- National Seminar on “Vegetables for Livelihood and Nutritional Security under changing Climate scenario”. Organized by Department of Vegetable Science on 6-7<sup>th</sup> December, 2018 at Farmers’ Academy and Convention Centre, Bidhan Chandra Krishi Viswavidyalaya, West Bengal.
- National Symposium on “Role of Resource Management in Agriculture in the Context of Food Security, Nutrition and Economy”, organized by The Agricultural Society of India, in Collaboration of Institute of Agricultural Science, University of Calcutta, on December 15-17, 2018.
- National Symposium on Agriculture and Food Production Today and Tomorrow, during February 22-24, 2017 at Institute of Agricultural Science, University of Calcutta

**J. Participation in in National & International Conferences, Symposiums and Webinars** (*since joining in University of Calcutta*)

- Online programme on 'Food adulteration and Microfibres –a hazardous threat to human kind'. Organized by Nice Chemicals Pvt. Ltd. On 5<sup>th</sup> August, 2023.
- Webinar on “Covid -19: Past Present and Future” organized by Department of Chemical Technology, University of Calcutta, Kolkata on August 7th 2020, at 11:30 AM through Google Meet
- National Webinar on “Organic Farming” organized by JNKVV held from 16th to 20th June, 2020.
- International Webinar on “Efficient Tools for Effective Research Communication and Publication” organized by the World Food Preservation Center, USA from June 12 to 14, 2020
- Webinar on COVID-19 and changing global Economic ORDER jointly organized by the Department of Economics and the IQAC, Narasinha Dutt College, dated 8th June, 2020.
- Seminar on 'Development of Food Processing Industries & Horticulture in West Bengal - The Road Ahead' on 12th February 2019. Organized by: Merchants' Chamber of Commerce & Industry.
- 1st International Conference on “Bio-resource, Environment and Agricultural Sciences (ICBEAS)” during 4-6 February, 2017 at VisvaBharati, Santiniketan
- National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016) during 4th December, at Palli Siksha Bhavana (Institute of Agriculture) Visva Bharati, Sriniketan

**K. Workshops and Trainings**

- Participated in “15 days training – cum- certificate programme on trending novel technologies in agriculture, animal husbandry, fisheries science and their allied systems” on January -15 to 30, 2023 in online mode (Zoom App), jointly organized by, Society of Agricultural Research and Social Development (New Delhi), College of Agriculture, Tripura (Lembuchera, West Tripura) & Malla Reddy University, Hyderabad.
- Participated in brainstorming session cum workshop on “Sensitization on Recent Advances in Plant Genome Editing and Regulatory Guidelines” organized by ICAR- Central Research Institute for Jute and Allied Fibers, Kolkata and sponsored by SERB, New Delhi from 8-9<sup>th</sup>, February, 2023.

- Participated in 7 days online workshop on “Primer designing, PCR & Real Time PCR for gene expression analysis” from 23<sup>rd</sup> to 29<sup>th</sup> November, 2022, organized by Cytogene Research & Development, Lucknow.
- Completed and qualified the Exam of One Week STTP on Statistical Analysis in SPSS Software (online mode) from 01 June, 2020 to 06 June, 2020 organized by REST Society for Research International (RSRI), Krishnagiri, Tamil Nadu, India.
- Attended one day workshop under ISRO outreach programme for Eastern Region on 27<sup>th</sup> April 2018, organized by Regional Remote Sensing Centre-East, NRSC/ISRO, Kolkata in collaboration with Department of Geography, University of Calcutta.
- Participated in the National Workshop on “Research Methodology and Data Analysis” held on 18-19<sup>th</sup> November, 2017 at Rajabajar Science College, Kolkata, organized by International Benevolent Research Foundation, Kolkata In Association with Indian Academic Research Association, Tiruchirapalli, In collaboration with Confederation of Indian Universities, New Delhi.

#### **L. Faculty Development Programmes**

- Participated in the Refresher Course on “Modern Biology” under the UGC-HRDC, University of Calcutta from 7<sup>th</sup> December to 20<sup>th</sup> December, 2022 and obtained Grade A+
- Participated in the Refresher Course on “Research Methodology: Tools and Techniques” under the UGC Stride Scheme, University Grants Commission, HRDC, Mizoram University, held from 07<sup>th</sup> - 20<sup>th</sup> July, 2020 and obtained Grade A+
- Participated in a UGC-Sponsored Orientation Programme-127, UGC-HRDC, University of Calcutta from 18<sup>th</sup> November-7<sup>th</sup> December 2019 and obtained Grade A