

RESUME

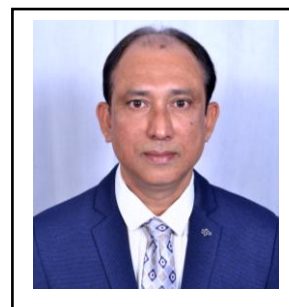
NAME: DR. ARUP CHATTOPADHYAY

DESIGNATION: Professor in Vegetable Science

CONTACTS:

1. OFFICIAL ADDRESS FOR CORRESPONDENCE:

Department of Vegetable Science, Faculty of Horticulture,
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4. ORCID ID: 0000-0002-9362-5434

5. GOOGLE SCHOLAR PROFILE: Citation: **3080**; h-index-**28**; i10 index: **78** (8.3.25)

6. RESEARCHGATE PROFILE: Research interest score: 1643; Citation:1530; h-index-21

7. DATE OF BIRTH: 22/11/1966

8. DATE OF JOINING TO THE UNIVERSITY: 26/09/1997

9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph.D. in Horticulture	BCKV	1996
MASTER'S	M.Sc (Ag) in Horticulture	BCKV	1990
BACHELOR'S	B.Sc (Ag) Hons.	BCKV	1988

10. EMPLOYMENT HISTORY:(Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Professor	BCKV	26.09.2012	Till date
Associate Professor (Reader)	BCKV	26.09.2009	25.09.2012
Assistant Professor (Lecturer)	BCKV	26.09.1997	25.09.2009

11. ADMINISTRATIVE POST(S)/ RESPONSIBILITY(IES) (IF ANY)

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1.	Officer-in-Charge, AICRP on Vegetable Crops, BCKV, Kalyani centre	10.02.2007	31.10.2021
2.	Head, Department of Vegetable Science, Faculty of Horticulture, BCKV	01.11.2021	Till date

12. AREA OF RESEARCH : (Bulleted list)

- Heterosis breeding in vegetable crops
- Disease resistance breeding in vegetable crops
- Breeding vegetables for enhanced quality
- Mutation breeding in vegetable crops
- Seed production of vegetable crops

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	HORT-303	Potato and Tuber crops	2+1
	HORT-351	Seed production of Vegetable, Tuber and Spice Crops	2+1
POST GRADUATE	VSC-508	Seed production of vegetable crops	2+1
	VSC-502	Production of warm season vegetable crops	2+1
	VSC-505	Breeding of self pollinated vegetable crops	2+1
Ph.D.	VSC-603	Abiotic stress management in vegetable crops	2+1
	VSC-604	Seed certification, processing and storage of vegetable crops	2+1
	VSC-605	Breeding for special traits in vegetable crops	2+0

14. NUMBER OF STUDENTS SUPERVISED:

Master's: 18 Doctoral: 12

15. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1	Development of technology for quality planting material production of tuber crops	NATP, ICAR, New Delhi	Completed (2001-2004)	Co-CCPI
2	Export oriented vegetable production under low cost poly house	APEDA, New Delhi	Completed (2002-2005)	Co-PI
3	Study on commercial viability of whole seed corm production of elephant foot yam in Red and Laterite Zone of West Bengal	NABARD, West Bengal	Completed (2007 - 2009)	Co-PI
4	Basic and strategic research on epidemiology and forewarning system of downy mildew disease of cucurbits by using appropriate IPM strategy	World Bank Sponsored project, ICAR, New Delhi	Completed (2007-2010)	Co-CCPI

5	Isolation of mutant with exerted stigma and anther non-dehiscence character in <i>PS-2</i> functional male sterile line of tomato for utilization in hybrid seed production	Bhava Atomic Research Centre, Trombay, Mumbai	Completed (2010-2013)	Co-PI
6	Validation of DUS resting guidelines for pointed gourd	PPV & FRA, Ministry of Agriculture and Farmers Welfare, GOI	Ongoing (2013 to till date)	Nodal Officer/PI
7	Agri-biodiversity-CRP on okra	ICAR-NBPGR, New Delhi during 2015-2017.	Completed (2015-2017)	P.I.
8	Food and nutritional security of tribal farmers through vegetable farming	ICAR-IIVR, Varanasi	Completed (2014-2022)	P.I.

16. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME ORGANIZED: Nil

17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	Group Meeting/Workshop on AICRP on Vegetable Crops	04 days during April, 2005	FACC, BCKV	Asstt. Secretary
2.	Krishi-O-Uddyam Mela-2024	02 days in February, 2024	Mohanpur	Organising Secretary
3.	Regional Science Congress	02 days in 2025	Mohanpur	Convener, Technical Committee

18. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleted list):

- Recipient of Dwarika Nath Young Scientist Gold Medal Award for the Best Ph.D. thesis in Vegetable Science during 1998 conferred by the Indian Society of Vegetable Science, IIVR, Varanasi
- Recipient of Lt. Amit Singh Memorial Award for the Best AICRP Centre on Vegetable Crops in India during 2012 conferred by the ICAR, New Delhi
- Fellow of the Indian Society of Vegetable Science, IIVR, Varanasi during 2016
- Fellow of the Crop and Weed Science Society, BCKV, Mohanpur during 2017
- Recipient of Reviewer Excellence Award during 2016 & 2018 conferred by Agricultural Research Communication Centre, Hisar

- Recipient of International Research Awards on Science, Health and Engineering (SHEN2022) for the contribution and honourable achievement in innovative research conferred by Science Father during 2022.
- Member of Editorial Board of Scientific Journals: Legume Research, Journal of Crop and Weed, Annals of Plant and Soil Research.
- Reviewer of many scientific journals viz., Scientia Horticulturae, Agronomy Journal, Euphytica, International Journal of Vegetable Science, Genetic Resources and Crop Evolution, Indian Journal of Horticulture, Indian Journal of Agricultural Sciences etc.
- **Developed, released and notified nine vegetable varieties/hybrid (Bidhan Barbati-1, Bidhan Barbati-2, Bidhan Sadabahar of vegetable cowpea; Bidhan Supreme, Bidhan Super, Bidhan Suphala of brinjal; Bidhan Tomato Hybrid-4 of tomato; Bidhan Chilli-4 of chilli; Bidhan Saheb mukto of okra).**

19. INTERNATIONAL COLLABORATIONS/ INVOLVEMENT, IF ANY (Bulleted list):

- Involved in chilli nursery trials of AVRDC (World Vegetable Centre), Taiwan

20. PUBLICATIONS

A. BOOKS

- Chattopadhyay A., Dutta S., Karmakar K., Bhattacharya I., and Hazra P. (2007). Technology for Vegetable Crop Production, (1st edition), published by AICRP on Vegetable Crops, BCKV, Kalyani, 230 p.
- Hazra P., Chattopadhyay A., Karmakar K. and Dutta S. (2011). Modern Technology in Vegetable Production, published by New India Publishing Agency, New Delhi, India 480 p.
- Hazra P., Banerjee M. K. and Chattopadhyay A. (2023). Varieties of Vegetable Crops in India, 3rd edition, published by Kalyani Publishers, 177 p.
- Sarkar, S., Hazra P. and Chattopadhyay A. (2013) Chilli, Genetic Diversity, Characterization and Crop Improvement, published by Scholar's Press, Verlag, Saarbrücken, Deutschland, Germany, 109 p.
- Chattopadhyay, A., Bhattacharjee, T., Banerjee, H. and Maurya, P.K. (2019). Tuber Crops-Temperate And Tropical, Kalyani Publishers, Ludhiana, India, 320p.
- Som, M.G., Bose, T.K., Chattopadhyay, A., Maity, T.K. and Kabir, J. (2021). Vegetable Crops, Revised and Illustrated edition of Vol. I-IV, Astral International Pvt. Ltd., New Delhi.

B. RESEARCH PAPERS (Best 10 out of 225)

1. Tiwari, K.N., Mal P.K., Singh R.M. and **Chattopadhyay A.** (1998). Response of okra (*Abelmoschus esculentus*) to drip irrigation under mulch and non-mulch conditions. *Agricultural Water Management*, **38**: 91-102. (IF:6.70).
2. Mukhopadhyay, Swapan Kumar, **Chattopadhyay Arup**, Chakraborty Ivi, and Bhattacharya Indrabrata (2011). Crops that feed the world 5. Sweet potato, Sweet potatoes for income and food security. *Food Security*, **3** (3): 283-305. (IF:6.70)
3. Bhutia, Nangsol Dolma, Seth Tania, Shende Varun Durwas, Dutta Subrata and **Chattopadhyay, Arup** (2015). Estimation of heterosis, dominance effect and genetic control of fresh fruit yield, quality and leaf curl disease severity traits of chilli pepper (*Capsicum annuum* L.). *Scientia Horticulturae*, **182**: 47-55. (IF: 4.30).
4. Phonglosa, Amit, Bhattacharyya, Kallol, Ray, Krishnendu, Mandal, Jajati, Pari, Arnab, Banerjee Hirak and **Chattopadhyay, Arup** (2015). Integrated Nutrient Management For Okra In An Inceptisol Of Eastern India And Yield Modeling Through Artificial Neural Network. *Scientia Horticulturae*, **187**: 1-9. (IF:4.30)
5. Hazra, Pranab, Longjam, M. and **Chattopadhyay, Arup** (2018). Staking of mutant genes in development of purple tomato rich in both lycopene and anthocyanin contents. *Scientia Horticulturae*, **239**:253-258. (IF: 4.30).
6. Hazra, Pranab Hazra, Hazra, Soham , Acharya, Brati , Dutta, Subhramalya , Saha, Shubhrajyoti , Mahapatra, Priyadarshini , Pamoti, Pradeep Kumar, Pal, Harshata, **Chattopadhyay, Arup**, Chakraborty, Ivi, Jambhulkar, Sanjay , Chatterjee, Suchandra and Ghosh, Sunil K. (2022). Diversity of nutrient and nutraceutical contents in the fruits and its relationship to morphological traits in bitter melon (*Momordica charantia* L.). *Scientia Horticulturae*, **305**: 1114-14. (IF- 4.30).
7. Debnath, Sovan, Saha, Susmit, Mandal, Biswapati, Sarkar, Dibyendu, **Chattopadhyay, Arup**, Mukherjee, Dhiman, Batabyal, Kaushik, Murmu, Sidhu, Nath, Rajib, Mishra, Dilip Kumar, and Sinha, Kanchan (2022). Zinc and Iron profiling in some commonly consumed food crops uncovers inter- and intra-crop variation. *Journal of Soil Science and Plant Nutrition*, **22**:1768-1777. (IF-3.90).
8. Debnath, Sovan, Saha, Susmit, Biswas, Tuffleuddin, Mal, Sudipa, Batabyal, Kaushik, Sarkar, Dibyendu, Yadav, Sharwan Lal, Bhattacharjee, Tridip, Chakraborty, Mahasweta, **Chattopadhyay, Arup** and Mandal, Biswapati (2024). Trace elements profiling of hyacinth bean (*Lablab purpureus* var. *typicus* L.): A rational screening of the breeding lines for biofortification programs. *South African Journal of Botany*, **167**:40-47. (IF 3.10).

9. Bose, Suvojit, Hazra, Soham, Hazra, Pranab, **Chattopadhyay, Arup**, Maji, Anirban, Basfore, Shibnath, and Karak, Chandan (2023). Characterization of gynoeocious parthenocarpic and monoecious cucumber lines (*Cucumis sativus* L.) and regression modelling to obtain high yielding and functionally rich genotypes. *Horticulture, Environment and Biotechnology*, <https://doi.org/10.1007/s13580-023-00579-y>. (IF- 2.40).

10. Seth, Tania, Mishra, Gyan Prakash, **Chattopadhyay, Arup**, Deb, Roy Partha, Devi, Mridula, Sahu, Ankita, Sarangi Sukanta Kumar, Mhatre, Chaitrali Shashank, Lyngdoh, Yvonne Angel, Chandra, Visalakshi, Dikshit, Harsh Kumar, Nair, Ramakrishnan Madhavan (2025). Microgreens: Functional Food for Nutrition and Dietary Diversification. *Plants* (Basel), **14**(4):526, doi: 10.3390/plants14040526. (IF- 4.00).



08.3.25

Signature with Date