

# RESUME

**NAME:** Surajit Mitra, Ph. D.

**DESIGNATION:** Professor (Post Harvest Technology)

**CONTACTS:**

1. **OFFICIAL ADDRESS FOR CORRESPONDENCE:**

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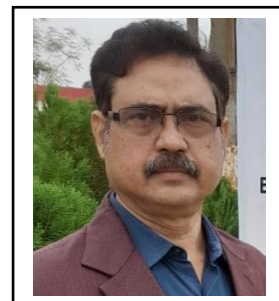
5. **GOOGLE SCHOLAR PROFILE:**

[https://scholar.google.com/scholar?hl=en&as\\_sdt=0%2C5&q=Surajit+Mitra%2C+BCKV&oq=surajit](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=Surajit+Mitra%2C+BCKV&oq=surajit)

6. **RESEARCHGATE PROFILE:** <https://www.researchgate.net/profile/Surajit-Mitra>

7. **DATE OF BIRTH:** 01/10/1968

8. **DATE OF JOINING TO THE UNIVERSITY:** 19/12/1997



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## 9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph. D. in Horticulture	BCKV	1998
MASTER'S	M. Sc. (Ag) in Horticulture	BCKV	1993
BACHELOR'S	B. Sc. (Ag) Hons.	BCKV	1990

## 10. EMPLOYMENT HISTORY: (Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Professor	BCKV	19.12.2012	till date
Associate Professor	BCKV	19.12. 2009	18.12.2012

<b>Reader</b>	<b>BCKV</b>	<b>19.12.2006</b>	<b>18.12.2009</b>
<b>Sr. Lecturer</b>	<b>BCKV</b>	<b>19.12.2001</b>	<b>18.12. 2006</b>
<b>Lecturer</b>	<b>BCKV</b>	<b>19.12.1997</b>	<b>18.12. 2001</b>

**11. ADMINISTRATIVE POST(S)/ RESPONSIBILIY(IES) (IF ANY)**

<b>SL. NO.</b>	<b>NAME OF THE POST(S)/ RESPONSIBILITY(IES)</b>	<b>PERIOD</b>	
		<b>From (Date)</b>	<b>To (Date)</b>
<b>1.</b>	<b>Head, Department of Post Harvest Technology</b>	<b>12.07.2017</b>	<b>26.07.2021</b>
<b>2.</b>	<b>ELP Coordinator</b>	<b>24.09.2019</b>	<b>24.06.2023</b>
<b>3.</b>	<b>Chairman, Students' Counselling &amp; Placement Cell</b>	<b>28.11.2023</b>	<b>10.03.2025</b>
<b>4.</b>	<b>Officer-in-Charge, ICAR-AICRP on Tuber Crops, Kalyani Centre, BCKV</b>	<b>23.11.2023</b>	<b>Continuing</b>

**12. AREA OF RESEARCH: (Bulleed list)**

- **Nutritional facts, postharvest quality maintenance, handling, storage, processing and value addition of horticultural crops in general and tropical tuber crops in particular.**
- **Reducing food waste, and enhancing food safety and nutrition security.**

**13. COURSES ASSOCIATED WITH:**

<b>LEVEL</b>	<b>COURSE NO.</b>	<b>COURSE TITLE</b>	<b>CREDIT</b>
<b>UNDERGRADUATE</b>	<b>i) Hort-207</b>	<b>Fundamentals of Food Technology.</b>	<b>1+1</b>
	<b>ii) Hort(A)-357</b>	<b>Postharvest Management and Value Addition.</b>	<b>1+1</b>
	<b>iii) ELP-442</b>	<b>Processing of Fruits and Vegetables for Value addition</b>	<b>0+10</b>

<b>POST GRADUATE</b>	<b>PHM 504</b>	<b>Packaging of Processed Horticultural Produce</b>	<b>1+1</b>
	<b>PHM-505</b>	<b>Principles and Methods of Fruit and Vegetable Preservation</b>	<b>2+1</b>
<b>Ph.D.</b>	<b>PHM-702</b>	<b>Recent Trends in Food Preservation</b>	<b>1+1</b>

**14. NUMBER OF STUDENTS SUPERVISED:**

Master's: 13 ; Doctoral: 9

**15. PROJECT ACTIVITIES**

<b>SL. NO.</b>	<b>TITLE OF THE PROJECT</b>	<b>FUNDING AGENCY</b>	<b>ONGOING/ COMPLETED</b>	<b>PI/ Co-PI</b>
<b>1.</b>	<b>Processing of Fruits and Vegetables for Value addition</b>	<b>ICAR</b>	<b>Completed</b>	<b>PI</b>
<b>2.</b>	<b>Bioefficacy study of Ethephon 20% GR in Mango</b>	<b>LDR Agrofarms Pvt. Ltd.</b>	<b>Completed</b>	<b>PI</b>
<b>3.</b>	<b>Storage study of Banana</b>	<b>Syngenta</b>	<b>Completed</b>	<b>Co-PI</b>

**16. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME ORGANIZED**

<b>SL. NO.</b>	<b>NAME OF THE PROGRAMME</b>	<b>DURATION</b>	<b>PLACE</b>	<b>ROLE</b>

**17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc.**

**ORGANIZED: 04**

<b>SL. NO.</b>	<b>NAME OF THE PROGRAMME</b>	<b>DURATION</b>	<b>PLACE</b>	<b>ROLE</b>

1.	<b>16<sup>th</sup> Workshop of ICAR-AICRP on Tuber Crops</b>	<b>June 24-26, 2016</b>	<b>BCKV, Kalyani</b>	<b>Joint Organising Secretary</b>
2.	<b>International Webinar on “Fruits, Vegetables and Tropical Tubers in Shaping Global Food and Nutrition Security”</b>	<b>November 12, 2021</b>	<b>E-Conference in collaboration with Institute of General and Physical Chemistry (IGPC), Belgrade, Serbia</b>	<b>Organising Secretary</b>
3.	<b>23<sup>rd</sup> Workshop of ICAR-AICRP on Tuber Crops</b>	<b>May 10-12, 2023</b>	<b>BCKV, Kalyani</b>	<b>Joint Organising Secretary</b>
4.	<b>Krishi-O-Udyan Mela</b>	<b>February 15-16, 2024</b>	<b>BCKV, Mohanpur</b>	<b>Joint Organising Secretary</b>

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

##### International:

- **Prof. Surajit Mitra** received ‘**Certificate of Appreciation**’ for delivering **Keynote speech and Chairing a Technical Session** from the organizing committee of **17<sup>th</sup> World Congress on Nutrition and Food Chemistry** held during September 13-15, 2018 at **London, UK**.
- **Scholarship from the Government of Netherlands** for participating in International Course on Postharvest Technology in 2015.
- **Scholarship from the Government of Israel** for attending International R & D Course on postharvest technology of horticultural crops in 2013.

##### National:

- **Received Best Paper Award (Oral presentation) in the NCTTC 4 STAR-2023 held at ICAR-CTCRI, Thiruvananthapuram, Kerala during November-27-29, 2023.**
- Received ‘**Outstanding Scientist Award**’ from the Society of Tropical Agriculture, New Delhi, India in 2018.
- Received ‘**CWSS Fellow Award**’ in 2018 from Crop and Weed Science Society, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West Bengal, India.
- Received ‘**Eminent Scientist Award**’ from Samagra Vikas Welfare Society, Lucknow, Uttar Pradesh, India in 2017.
- Received ‘**Achiever Award**’ from the Society for advancement of Human and Nature, Dr. YS Parmar University of Horticulture and Forestry, Solan, Himachal Pradesh, India in 2015.

- Received ‘**Outstanding Scientist Award**’ in 2015 from Venus International Foundation, Chennai, Tamil Nadu, India.
- Received ‘**Best AICRP Centre Award**’ in 2013 from Indian Council of Agricultural Research, New Delhi for outstanding performance as a Scientist in All India Coordinated Research Project on Tuber Crops;
- Received ‘**Chaudhary Debi Lal Outstanding AICRP Award**’ in 2007 from Indian Council of Agricultural Research, New Delhi as a Team Member of AICRP on Tuber Crops;
- Received ‘**Best Paper Award**’ in the International Conference on Landscaping and Urban Horticulture organized by ISHS for a collaborative research work with colleagues in Venezuela in 2012.
- **Grant from Syngenta India** in 2011 for attending International Training Course on Postharvest Technology of Vegetable crops in Thailand;
- **Grant from Indian Council of Agricultural Research** in 2008 for attending International Conference “Postharvest Unlimited-2008” **in Germany.**

**Editorial Board Member:**

- **Editorial Board Member** of International Journal of Forestry and Horticulture.
- **Permanent Honorary Board Member** of Society for advancement of Human and Nature, Dr. YS Parmar University of Horticulture and Forestry, Solan, Himachal Pradesh, India.

**Variety developed: 09**

- **Sweet potato - Two** - Bidhan Jagannath and Kamala Sundari (Orange-fleshed);
- **Taro - Three** - Bidhan Kochu and Mitra Bidhan Taro; TTr 17-5 (Recommended)
- **Bunda taro - One**- Bidhan Ghat Kochu
- **Swamp taro -Two** - Bidhan Latika, and Mitra Bidhan Loti (Proposed)
- **Elephant foot yam- One** – Bidhan Ol

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

- Published a research paper from a **collaborative work** on ‘Strengthening the Production of Vegetable Seedlings as a Key Strategy in Rural and Urban Horticulture’ in 2013 with the scientists at Departamento de Fitotecnia, Decanato de Agronomia, Universidad Centroccidental Lisandro Alvarado. Zip Code 400, Cabudareestado Lara, **Venezuela.**
- Published a research paper in 2017 from a **project work** entitled ‘Infection capacity of important pathogens in orange during storage’ **conducted** at the Department of Postharvest Science, Volcani Center, **Israel.**
- **Organised an International Webinar** on “Fruits, Vegetables and Tropical Tubers in Shaping Global Food and Nutrition Security” on 12<sup>th</sup> November, 2021 **in collaboration** with Institute of General and Physical Chemistry, (IGPC), Belgrade, **Serbia.**

## 20. PUBLICATIONS

### A. BOOKS: 05

- i) **Surajit Mitra** and T. K. Bose (2022). **Postharvest Technology of Tropical Fruits and Vegetables**, Daya Publishing House®, A Division of Astral International Pvt. Ltd. New Delhi – 110002. Pages- 452, ISBN: 978-93-5461-429-3.
- ii) **Surajit Mitra** (2021). **Postharvest Management of Horticultural Crops**, Jaya Publishing House, H-1/60, Sector - 16, Rohini, Delhi-110089. Pages-648, ISBN: 978-93-90611-11-9.
- iii) **Surajit Mitra**, A. K. Banik, A. Mani, V.S. Kutchi and N.K. Meena (2019). **Trends and Prospects in Post Harvest Management of Horticultural Crops, Volume-1**, Today and Tomorrow's Printers and Publishers, New Delhi-110002, India. Pages- 418, ISBN: 978-81-7019-637-2.
- iv) **Surajit Mitra**, A. K. Banik, A. Mani, V.S. Kutchi and N.K. Meena (2019). **Trends and Prospects in Post Harvest Management of Horticultural Crops, Volume-2**, Today and Tomorrow's Printers and Publishers, New Delhi-110002, India. Pages- 394, ISBN: 978-81-70196-37-2.
- v) **Surajit Mitra** (2015). **Postharvest Management of Tropical Tuber Crops**, Directorate of Research, BCKV, Kalyani, Nadia, West Bengal.

### B. RESEARCH PAPERS (Best 10):

- Mitra, S.**, Mitra, S. and Tarafdar, J. (2021). Antioxidant substances and phytonutrients in sweet potato tubers of different flesh colour. *Annals of Phytomedicine*, **10**(2): 1-7. <http://dx.doi.org/10.21276/ap.2021.10.2.0> (NAAS: 7.7).
- Pushpalatha, R., Mithra, V. S. S., Sunitha, S., George, J., Nedunchezhiyan, M., Mamatha, K., Ashok, P., Alam, S., Saud, B. K., Tarafdar, J., **Mitra, Surajit**, Deo, C., Velmurugan, M., Suja, G., Ravi, V. and Gangadharan, B. (2021). Impact of climate change on the yield of tropical root and tuber crops vs. rice and potato in India. *Food Security*, **13** (5): <https://doi.org/10.1007/s12571-021-01226-z> (NAAS: 12.70).
- Mani, A. and **Mitra, Surajit** (2021). Efficacy of different natural herbs in improving qualitative, sensory and microbiological properties of wood apple jam. *Annals of Phytomedicine*, **10** (1): 255-262. (NAAS: 7.7).
- Suresh Kumar, J., Sunitha, S., Sreekumar, J., Mamatha, K., Das, B., Sengupta, S., Kamalkumaran, P.R., Thangamani, C., **Mitra, Surajit**, Tarafdar, J., Patel, H.B., Nedunchezhiyan, M., and Srikanth, B. (2023). Weed management strategies in elephant foot yam (*Amorphophallus paeoniifolius*) under different agro environments in India. *Indian Journal of Agricultural Sciences*, **93** (12): 1314–1319. (NAAS- 6.40).
- Nguyen, T. T., Karmakar, B., and **Mitra, S.** (2023). Effect of postharvest treatments on quality and shelf life of mango fruit cv. 'Cat Chu' at suboptimal temperature. *Indian Journal of Horticulture*, **80**(04), 398-403. (NAAS: 6.16).

- Singh, A. K., Chaurasiya, A. K. and **Mitra, Surajit** (2020). Novel processing method for improved antioxidant and nutritional value of elephant foot yam (*Amorphophallus paeoniifolius* Dennst-Nicolson). *Indian Journal of Experimental Biology*, **58**: 206-211. (NAAS- 6.93).
- Singh, A. K., Chaurasiya, A. K. and **Mitra, Surajit** (2017). Quality attributes of Bael (*Aegle marmelos* Corr.) preserve and candy. *International Food Research Journal* **24** (1): 298-303. (NAAS: 6.8)
- Mandal, R., Nag. S., Tarafdar, J. and **Mitra Surajit** (2016). A comparison of efficiency parameters of SSR markers and genetic diversity analysis in *Amorphophallus paeoniifolius* (Dennst.) Nicolson. *Brazilian Archives of Biology and Technology*, **59**: e16160439:1-7. (NAAS:6.47).
- Byju, G., Nedunchezhiyan, M., George, James., Sunitha, S., Kamalkumaran, R., Singh, P., Mamatha, K., **Mitra, Surajit.**, Tarafdar, J. Desai, K., Ravi, V., Vani, M., Soman, Sabitha and Remya Reshmi, K. R. (2016). Fertilizer best management practices by SSNM and customized fertilizers for elephant foot yam (*Amorphophallus paeoniifolius*) cultivation in India. *Indian Journal of Agricultural Sciences*, **86** (4): 485–493. (NAAS: 6.3)
- Mitra, S.**; Kundu, S. and Mitra, S.K.(2001). Evaluation of local strains of mango (*Mangifera indica*) grown in West Bengal. *Indian Journal of Agricultural Sciences*, **71**(7):466-468. (NAAS: 6.4).



14.03.25

(Surajit Mitra)  
Signature with Date