


## Profile of Dr Jotirmayee Lenka

	<p><b>Name:</b> Dr Jotirmayee Lenka</p> <p><b>Designation:</b> Scientist (Fruit Science)</p> <p><b>Date of Birth:</b> 04.01.1986</p> <p><b>Area of Specialization:</b> Horticulture, Post Harvest management, value addition and processing of subtropical fruit crops. Conservation horticulture systems, Integrated nutrient, moisture and canopy management in fruit crops.</p> <p><b>Email ID:</b> jotirmayee.lenka @icar.gov.in; jotirmayee.lenka@gmail.com</p> <p><b>ERP ID:</b> 020448</p> <p><b>Mobile:</b> +91-8093560570</p>
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### Detail Profile

#### Education

Degree	Year of Passing	University/Institution
Ph.D. (Fruit Science and Hort. Technology)	2021	Odisha University of Agriculture and Technology, Bhubaneswar, Odisha
M.Sc. (Ag.) (Fruit Science)	2013	Odisha University of Agriculture and Technology, Bhubaneswar, Odisha
B.Sc. (Agriculture.) Hon.	2011	College of Agriculture, Odisha University of Agriculture and Technology, Bhubaneswar, Odisha

#### Professional History

Position	Year	Organization
Scientist	25.01.2021 to Till date	ICAR- Indian Institute of Soil & Water Conservation, RC, Koraput, Odisha
Scientist	10.04.2015 to 23.01.2021	ICAR-Central Institute for Sub tropical Horticulture, Lucknow
Scientist (Trainee)	01.01.2015	ICAR-NAARM, Hyderabad

## Publications (summary)

S. No.	Publication	Number
1	Research Publications	12
2	National	12
	Book Chapters	7
3	Lead Papers	0
4	Radio talk/TV bite	1
5	Technical/Research Reports/ Compilation / <b>Bulletins</b>	2
6	Extension Folders/leaf lets	2
7	Symposia/Workshop/Seminar attended	25
8	Abstract published	20
9	Blog published	1
10	Popular article	20
11	Professional Trainings attended	4
12	Total Project handled (Leader in 6 & Associated in 7)	6, 7
13	No. of training organized	8
	Short duration sponsored training (Trained : 200)	4
	Soil Conservation Regular Training Course: (5 ½ or 4 months duration) (Trained: 0)	0
	B.Tech students Field Practical training- one to two months and 21days (No Students: 60)	4
14	Seminars/Symposia/ <b>Workshops</b> /Summer or Winter School/ Organized	4
15	External projects handled (Co-PI) and Centre PI	5,3

## Most important 5 Publications

1. Bharati Killadi, **Jotirmayee Lenka**, Rekha Chaurasia and D.K.Shukla (2018).Effect of methyl jasmonate on physico-chemical properties of mango fruits Dashehari during cold storage. *Indian Journal of Agricultural Sciences* 88(11):1779-83
2. P.S. Gurjar, N. Garg, K.K. Yadav, **J. Lenka** and D.K. Shukla (2018). Effect of chitosan on biochemical and microbial quality of minimally processed mango cubes during storage. *Indian Journal of Horticulture*, 75(1): 130-134
3. Jotirmayee Lenka, G.C Acharya, P Sahu, D.K Dash, D Samant, C.M Panda, K.N Mishra and R.K Panda (2019). ‘Effect of foliar nutrition of micronutrients and plant growth regulators on yield and quality of guava (*Psidium guajava* L.) cv. Allahabad Safeda’. *International Journal of Chemical Studies* 7(5): 1327-1333
4. **Jotirmayee Lenka** \*, G. C. Acharya, P. Sahu , D. K. Dash , D. Samant , C. M. Panda , K. N. Mishra<sup>3</sup> and R. K. Panda. ‘Assess the Effect of Micronutrients and Bio-regulators on Growth, Flowering, Fruiting and Yield of Guava (*Psidium guajava*) cv. Allahabad Safeda’. *Int. J. Curr. Microbiol. App. Sci* (2019)

5. Bharati Killadi, PS Gurjar, **Jotirmayee Lenka**, Rekha Chaurasia and DK Shukla (2021). Optimization of hot water treatment of guava fruits cv. 'Shweta' to prolong cold storage. *International Journal of Chemical Studies*: 9 (1), 410-415

Google Scholar link:

[https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&hl=en&user=JihVLUAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=JihVLUAAAJ)

### Awards/Fellowships/Recognitions

Sl. No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of award
1.	<b>Best paper presentation award</b> (1 <sup>st</sup> ) as co-author.	Acharya N.G Ranga Agricultural University, Regional Agricultural Regional Station, Tirupati, Andhra Pradesh	2023
2	<b>Best paper presentation Award</b> (2 <sup>nd</sup> ) as main author.	OUAT and Orissa horticulture society, Bhubaneswar.	2023
3	Best Oral presentation Award (1st) as main author.	ICAR-CHES-IIHR, Bhubaneswar and Society for promotion Horticulture, Bengaluru.	2022
4	Best article Award -2022. <b>J Lenka</b> and S Behera. "Drumstick ( <i>Moringa Olerifera</i> )- A Miracle tree"	Agriculture & Food: e News letter	2022
5	Article of the year (2021): Swosti suvadarsini Das, Antara Das, <b>J Lenka</b> & Ankita Sahoo "The impact of Plant Growth Promotion Rhizobacteria (PGPR) on horticultural crop yield and quality"	Agriculture & Food: e News letter	2021
6	Young Women Scientist Award	Agro Environmental Development Society (AEDS), Uttar Pradesh	2019
7	<b>Best oral paper presentation Award</b> as main author	OUAT and Horticultural society of Odisha, Bhubaneswar	2016
8	<b>Poster presentation (2<sup>nd</sup>) as co-author.</b>	Integral University, Lucknow	2016

### Research Projects as PI (On-going)

1. Evaluation of Rainwater management practices in mango based agri-horticultural system.(2021-)
2. Assessment of variability and trend of climatic parameters at various time scales in different regions of India. **Core Project, (2022-23)**
3. Carbon sequestration potential of prevailing and recommended land uses in reclaimed degraded ecosystems under different agro-ecological regions of India. **Core Project, (2021-23).**
4. Demonstration of Agriculture Drone technology in different region of India under Agri-Drone Project **External Project, (Centre-PI), (2022-24).**
5. Effect of Natural Farming Practices on Resource Conservation and Productivity in different Agro Ecological Regions of India. **Core Project, (2022-23)**

### Research Projects as PI (Concluded)

1. Devising technologies for minimizing post harvest losses, value added products and marketing of subtropical fruits (Institute Funded). (ICAR-CISH, Lucknow, 2015-2021) **(Institute Funded)**
2. Evaluation of catchment-storage-command area relationship for improving rain water productivity under integrated production system. **(ICAR-IISWC, 2022-23),(Institute Funded)**
3. Restoration of shifting cultivated lands for resource conservation and sustainable production in Eastern Ghats. **(ICAR-IISWC, 2022-23),(Institute Funded)**

### Other important responsibility

1. Officer In-Charge (Farm) (2021 to till date)
2. Officer In-Charge (Soil Laboratory) (2022-23)
3. Officer In-Charge (Meteorology) (2022 to till date)
4. Officer In-Charge (ARIS cell) (2022 to till date)
5. Member Secretary (STMIM) (2021 to till date)