

CURRICULUM VITAE



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Designation : Professor

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Date of birth : 22nd October 1969

Citizenship : Indian

Marital status : Married

Educational Qualification: M. Sc. (Ag.), Ph. D.

Degree	University	Year	Subjects
Secondary	WBBSE	1985	
H. S.	WBCHSE	1987	

Degree	University	Year	Subjects
B. Sc. (Ag.)Hons	BCKV	1991	Hort., Ento.,...
M. Sc. (Ag.)	BCKV	1994	Horticulture
Ph. D.	BCKV	2001	Vegetable Crops

Name of the employer: Vice-Chancellor,
Uttar Banga Krishi Viswavidyalaya,
Pundibari, Cooch Behar,
West Bengal, PIN-736165, India
www.ubkv.ac.in

Date of joining in University Service: 31st December 1997

Professional Experience:

Under Graduate and Post Graduate teaching, research and extension works of the Department of Vegetable and Spice Crops, Faculty of Horticulture, UBKV with following positions. The Department was renamed as the Department of Vegetable Science as per the Notification Vide No. 0523/UBKV/Est. (AC-40) on 14.08.2026.

Designation	Place of posting	Joining date	Leaving date
Lecturer in Vegetable Crops	Regional Research Station (Terai Zone), B.C.K.V., Pundibari, Cooch Behar, W.B.	31 st Dec. 1997	30 th Dec. 2001
Sr. Lecturer in Vegetable Crops	Regional Research Station (Terai Zone), B.C.K.V., Pundibari, Cooch Behar, W.B.	31 st Dec. 2001	19 th Nov. 2003
Reader (Associate Prof.) in Vegetable & Spice Crops	Deptt. of Vegetable & Spice Crops, Faculty of Horticulture, U.B.K.V., Pundibari, Cooch Behar, W.B.	20 th Nov. 2003	29 th June 2010
Professor	Deptt. of Vegetable & Spice Crops, Faculty of Horticulture, U.B.K.V., Pundibari, Cooch Behar, W.B.	30 th June 2010	Continuing

Specialization: Vegetable Science-Production and improvement of Vegetable Crops

Administrative Training:

Programme	Place and Duration	Hosted by	Sponsored by
Leadership for Academicians Programme (LEAP), a three weeks flagship Leadership Development Training programme (2 weeks domestic and 1 week foreign training) for second level academic functionaries in public funded higher education institutions under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) Scheme.	Indian Training Component: The Indian component held in Kolkata between 11-22 February, 2019. Foreign Training Component: The foreign component was delivered in partnership with the Harvard Graduate School of Education, at the Cambridge campus of Harvard University (Boston, USA) during 6-10 March, 2019.	IISER Kolkata	Ministry of Human Resource Development (MHRD), Government of India

Administrative Experience:

Administrative post	Department	Joining date	Leaving date
Head	Department of Vegetable and Spice Crops, Faculty of Horticulture, UBKV, Pundibari (Ref. Letter No. VC/UBKV/1227 dated 20.01.2004 and VC/UBKV/65 dated 18.04.2008)	20.01.2004	01.12.2011
Dean (Acting)	Faculty of Horticulture, UBKV, Pundibari		23 rd Nov., 2014
Dean	Faculty of Horticulture, UBKV, Pundibari	24 th Nov., 2014	23 rd Nov., 2019
Dean (Acting)	Faculty of Horticulture, UBKV, Pundibari	24 th Nov., 2019	20 th Jan., 2020

Training / Winter School / Summer School attended:

Type	Title	Organized by	Duration
Winter School	Post Harvest Management of Fruits, Vegetables and Flowers	Division of Fruits & Horticultural Technology , IARI, Pusa, New Delhi-12	26 Dec.2001 -15 Jan.2002
Training	Faculty Development Programme on Advances in Educational Technology	National Academy of Agricultural Research Management (NAARM), Hyderabad, India	11-31 May 2005
Advanced Training	Nutrient Management to Optimize Crop Production: A Physiological Approach	UNDP Centre of Advanced Studies in Plant Physiology, Narendra Deva University of Agriculture and Technology, Kumarganj-224229, Faizabad, U.P., India	14November – 4 December, 2006
Training	Capacity Building on e-Waste Management	National Institute of Electronics and Information Technology (NIELIT)	08 May 2017

Guidance of P. G. Students (awarded): M. Sc.- 18, Ph. D.- 14

Scheme / Project handled: 04

Farmers Training Programmes Attended as Resource Person: 67

Development of New Variety (Team work):

- Ginger- '**Mohini**'-Notified as a National Level Variety by Central Variety Release Committee, Govt. of India in the year 2017.
- Turmeric-'**Suranjana**' and '**Uttar Rupanjana**' and **Uttar Rangini** that are notified by Central Variety Release Committee (CVRC) in the year 2019.

Development of New Production Technology (Team Work):

Ginger-02 (Standardization of organic and integrated nutrient management) and Turmeric-02(Standardization of organic and integrated nutrient management) accepted by the ICAR-AICRP on Spices, IISR, Calicut.

Television and Radio Programmes: 08**Seminar/Symposium/Workshop/Conference/Congress/Summit attended:**

Sr. No.	Type	Title	Organized by	Place	Date	Attended as
1	Workshop	Better Packaging Technology of Fruits and Vegetables	Deptt. of Agricultural Marketing, Govt. of West Bengal	Kanchanjunga Stadium, Siliguri, Darjeeling	19-20 Jan. 2001	Participated as Resource Person
2	Workshop	AICRP on Spices	ICAR	KAU, Vellanikkara, Kerala	1-3 Nov. 2001	Participated as Horticulturist
3	National Seminar	Ramie (<i>Boehmeria nivea</i>) an important cash crop	UBKV	Pundibari, Cooch Behar	12-13 Feb. 2002	Participated
4	Workshop	Better Packaging Technology of Fruits and Vegetables	Deptt. of Agricultural Marketing, Govt. of West Bengal	Regulated Market, Malda	19-20 Feb. 2002	Participated as Resource Person
5	State Level Workshop	Jute and Allied Fibres	UBKV	Pundibari, Cooch Behar	12-14 Aug. 2002	Participated
6	District Level Seminar	Spices Production, Processing & Marketing for Jalpaiguri District, W. B.	UBKV	ZARS, Mohitnagar, Jalpaiguri	25 Nov. 2002	Organized & Participated
7	District Level Seminar	Spices Production, Processing & Marketing for Cooch Behar District	UBKV	RRS, Pundibari, Cooch Behar	29 Nov. 2002	Organized & Participated
8	District Level Seminar	Spices Production, Processing & Marketing for Dakshin Dinajpur District	UBKV	Balurghat, Dakshin Dinajpur, W. B.	15 Jan.. 2003	Participated as Resource Person
9	State Level	Spices Production,	UBKV	RRS, Terai Zone,	25-26 Feb.	Organized , Participated &

Sr. No.	Type	Title	Organized by	Place	Date	Attended as
	Seminar	Processing & Marketing in West Bengal		Pundibari, Cooch Behar	2003	Presented Paper
10	Workshop	XVII Workshop of AICRP on Spices	ICAR	IISR, Calicut, Kerala	3-5 Feb. 2004	Participated as Horticulturist
11	State Level Seminar	Spices Production, Processing & Marketing in West Bengal	UBKV	RRS, Old Alluvial Zone, Majhian, Dakshin Dinajpur	26-27 Feb. 2004	Organized , Participated & Presented Paper
12	National Conference	Organic Farming for Sustainable Production	The Horticulture Society of India, New Delhi	ICAR-NASC Complex, New Delhi	23-25 March, 2004	Participated
13	National Conference	Seed: A Global Perspective	Indian Society of Seed Technology	ICAR-NASC Complex, New Delhi	26-28 March, 2004	Participated
14	Workshop	Human Nutrition for Good Health	Deptt. of Health, Govt. of W.B.	Cooch Behar	22 April, 2004	Participated as Resource Person
15	Workshop	Export Promotion of Agril. Commodities	Deptt. of Agril. Marketing, Govt. of W.B.	Regulated Market, Siliguri	14-15 July, 2004	Participated as Resource Person
16	Regional Seminar	Commercial Hi-Tech cultivation of Vegetable Crops and hybrid seed production .	Urivi- Vikram Charitable Trust, NHRDF and Sri Chhotu Ram Educational & Cultural Society	IARI, New Delhi	29-30 September, 2004	Participated
17	Congress	First Indian Horticulture Science Congress-2004	The Horticulture Society of India, New Delhi	NPL Auditorium, New Delhi	6-9 Nov. 2004	Participated & Presented Paper
18	Congress	Seventh Agricultural	National Agricultural	MPKV, Pune	16-18 Feb.	Participated & Presented

Sr. No.	Type	Title	Organized by	Place	Date	Attended as
		Science Congress	Science Academy , New Delhi		2005	Paper
19	National Conference	Alliums	Association of Allium Workers in India and Institute of Agricultural Sciences , Banaras Hindu University	Varanasi	24-25 Feb. 2005	Participated & Presented Paper
20	Summit	Agriculture Summit 2005	Ministry of Agriculture, Govt. of India & FICCI	Vigyan Bhavan, New Delhi	9-10 April 2005	Participated & Presented Paper
21	International Conference	First International Conference on Indigenous Vegetables and Legumes	AVRDC, Taiwan	ICRISAT, Hyderabad	12-15 Decem-ber. 2006	Participated & Presented Paper
22	Symposium	Symposium on Conservation of Biodiversity	Acharya B.N. Seal College, Cooch Behar	Cooch Behar	18 th March, 2007	Invited Speaker
23	National Workshop	Production, processing and marketing of spices and aromatic plants	UBKV, Pundibari, Cooch Behar	Pundibari	16-17 Jan., 2008	Acted as Organising Secretary and participated
24	International Symposium	Underutilized Plant Species for food, nutrition, income and sustainable development	International Centre for Underutilised Crops (ICUC)	Arusha, Tanzania	3-7 March, 2008	Participated & Presented Paper
25	International Level	Performance of vermi-compost and farmyard manure in integrated nutrient management of	ICAR	National Academy Agricultural Sciences, ICAR, New Delhi	4-7 Feb., 2009	Participated & Presented Paper

Sr. No.	Type	Title	Organized by	Place	Date	Attended as
		palak.				
26	International Level	Productivity and curcumin content of turmeric as affected by inorganic nitrogenous fertilizer, organic manure and biofertilizer.	2 nd International Symposium on Medicinal and Nutraceutical Plants by ISHS	AIIMS, New Delhi and ISHS, Belgium	25-27 Nov., 2009.	Participated & Presented Paper
27	International Level	Protected vegetable cultivation technology to offset climate change.	International Seminar 2010 on Climate Change and Environment challenges in 21 st Century by Rajshahi University.	Rajshahi University, Bangladesh	7-9 Dec., 2010	Participated & Presented Paper
28	International Level	Effect of organic, inorganic source of nutrients and <i>Azospirillum</i> on yield and quality of turmeric (<i>Curcuma longa</i> L.).	IV International Conference on Landscape and Urban Horticulture- ISHS	ISHS and BCKV, Kolkata	25-26 November 2013	Participated & Presented Paper
29	International Level	Early bitter gourd crop by low polyethylene tunnels and mulches.	Bitter gourd conference by AVRDC	AVRDC- The World Vegetable Center, South Asia, Hyderabad	20-21 March, 2014	Participated & Presented Paper
30	International Level	Nitrate problem in vegetables.	Int. Conf. on Hort. for nutritional livelihood	RRS, Hill Zone, UBKV, Kalimpong,	22-24 May, 2014	Participated & Presented Paper

Sr. No.	Type	Title	Organized by	Place	Date	Attended as
			and environmental security in hills: by UBKV	West Bengal		
31	National Seminar	Horticulture for Sustainable Development , Nutritional and Livelihood Security	UBKV	F/Hort., UBKV	26-27 May, 2022	Organised as the Organising Secretary

Society /Journal Membership:

Sl. No.	Name of the Journal	Address of the Society	Category
1.	Vegetable Science	Journal of the Indian Society of Vegetable Science ,Indian Institute of Vegetable Research,1,Gandhi Nagar (Naria), P.B. No. 5002,P.O.-BHU,Varanasi-221005, U.P. ,India	Life Member since 1999
2.	Journal of Spices and Aromatic Crops	Journal of the Indian Society for Spices, Indian Institute of Spices Research, P.B. No. 1701, Marikunnu Post,Calicut-673012, Kerala, India	Life Member since 2001
3.	Seed Research	Journal of the Indian Society of Seed Technology, Indian Agricultural Research Institute, New Delhi -110012, India	Life Member since 2002
4.	Indian Journal of Horticulture	Journal of the Indian Society of Horticulture, Indian Agricultural Research Institute, New Delhi -110012, India	Life Member since 2002

Chapter in a Book:

1. **Jana, J. C.** 2008. Underutilized leafy vegetables of sub-himalayan terai region. pp. 325-339. In Peter, K. V. (eds.), Underutilized and underexploited horticultural crops', Vol-3. New India Publishing Agency, New Delhi.
2. **Jana, J. C.** and Sinha, P. 2009. Micronutrient disorders in vegetable crops' pp. 479-497. In Srivastava, K. P. and Butani, D. K. (eds.), Pest Management in Vegetables", vol-II. Studium Press (India) Pvt. Ltd., New Delhi.

Book:

1. **Jana, J. C.**, Chatterjee, R., Datta, S. and Choudhuri, P. 2005. Principles and Practices of Vegetable and Spice Crops, Uttar Banga Krishi Viswavidyalaya, West Bengal.
2. **Jana, J. C.**, Kole, T. K., Mani, A., Karak, C. and Murmu, D. K. 2018. Advances in Post Harvest Management, Processing and Value Addition of Horticultural Crops. Part-2: Vegetable, Spices and Plantation Crops. Today and Tomorrow's Printers and Publishers, New Delhi.

Published Research Articles: 50

1. **Jana, J. C.**, Thapa, U. and Maity, T. K. 1999. Green and seed yield of palak (*Beta vulgaris* L. var. *bengalensis* Hort.) as affected by nitrogen fertilization and cutting management. *Vegetable Science*. **26** (1): 61-63. ISSN 0970-6585.
2. Dhar, M., **Jana, J. C.** and Maity T. K. 1999. Response of cabbage to sulphur fertilization. *Vegetable Science*. **26** (1): 82-84. ISSN 0970-6585.
3. Maity, T. K., **Jana, J. C.** and Thapa, U. 1999. Crop growth rate and green yield of palak (*Beta vulgaris* L. var. *bengalensis* Hort.) as influenced by nitrogen fertilization and cutting frequencies. *Journal of Andaman Science Association*. **15** (1): 35-38. ISSN 0970-4183.
4. **Jana, J. C.** and Bhattacharya, B. 2001. Performance of different promising cultivars of turmeric (*Curcuma domestica* Val.) under terai agro-climatic region of West Bengal. *Environment and Ecology*. **19**(2): 463-465. ISSN 0970-0420.
5. Panja, B. N. and **Jana, J. C.** 2001. White mould disease of *Phaseolus vulgaris* L. from terai region of West Bengal. *Journal of Interacademia*. **5** (1): 121-122. ISSN 0971-9016.
6. **Jana, J. C.** and Bhattacharya, B. 2001. Studies on performance of different tomato hybrids during off-season under different planting methods in terai agro-climatic zone of West Bengal. *Journal of Interacademia*. **5** (2): 186-189. ISSN 0971-9016.
7. **Jana, J. C.** and Mukhopadhyay, T. P. 2001. Effect of nitrogen and phosphorus on growth and seed yield of cauliflower var. Aghani in terai zone of West Bengal. *Vegetable Science*. **28** (2): 133-136. ISSN 0970-6585.

8. **Jana, J. C.**, Dutta, S. and Chatterjee, R. 2001. Genetic variability, heritability and correlation studies in turmeric (*Curcuma longa* L.) *Research on Crops*. **2** (2): 220-225. ISSN 0972-3226.
9. **Jana, J. C.** and Mukhopadhyay, T. P.2002. Effect of sowing dates and varieties on growth and seed yield of cauliflower (*Brassica oleracea* var. *botrytis* L.) in terai zone of West Bengal. *Seed Research*. **30** (2): 247-252. ISSN 0379-5594.
10. **Jana, J. C.** and Mukhopadhyay, T. P.2002. Effect of nitrogen and phosphorus on growth and seed yield of cauliflower var. Aghani in terai zone of West Bengal. *Seed Research*. **30** (2): 253-257. ISSN 0379-5594.
11. **Jana, J. C.** and Mukhopadhyay, T. P.2003. Correlation growth and yield parameters with seed yield under varying sowing dates and varieties in cauliflower (*Brassica oleracea* var. *botrytis* L.). *Seed Research*. **31** (1): 58-60. ISSN 0379-5594.
12. **Jana, J. C.** and Mukhopadhyay, T. P.2003. Effect of sowing dates and varieties on growth and curd yield of cauliflower in terai zone of West Bengal. *Indian Agriculturist*. **47**(3 & 4):235-239. ISSN 0019-4336.
13. **Jana, J. C.** 2004. Effect of micronutrients on yield and quality of cauliflower seeds. *Seed Research*. **32**(1):98-100. ISSN 0379-5594.
14. **Jana, J. C.** 2005. Effect of sowing date and variety of French bean on seed yield and quality. *Seed Research*. **33** (1): 111-113. ISSN 0379-5594.
15. **Jana, J. C.** 2006. Effect of *Azospirillum* and graded levels of nitrogenous fertilizer on growth, yield and quality of ginger (*Zingiber officinale* Rosc.). *Environment and Ecology*. **24S** (3): 551-553. ISSN 0970-0420.
16. **Jana, J. C.** (2007) Suranjana : a new turmeric of West Bengal. *Indian Horticulture*. **34**(1):27-28. ISSN: 0019-4875.
17. **Jana, J. C.** 2007. Use of traditional and underutilized leafy vegetables of sub-Himalayan terai region of West Bengal. *Acta Hort*. **752**: 571-575. ISSN: 0567-7572
18. Sarkar, R. K., Datta S. & **J. C. Jana** (2007). Effect of pinching on chillies (*Capsicum annuum*). *Indian Journal of Agricultural Sciences*. **77**(12):856-8. ISSN:0019-5022

19. **Jana, J. C.** 2008. Underutilized leafy vegetables of sub-himalayan terai region. In: *Underutilized and Underexploited Horticultural Crops*, Vol-3, Peter, K. V. (Eds.), New India Publishing Agency, New Delhi. pp. 325-339.
20. **Jana, J. C.** and Sinha, P. 2009. Micronutrient disorders in vegetable crops'. In: *Pest Management in Vegetables*, Vol-II, Srivastava, K. P. and Butani, D. K. (Eds.), Studium Press (India) Pvt. Ltd., New Delhi. pp. 479-497.
21. **Jana, J. C.** 2009. Utilization and conservation of cucurbits diversity in sub-Himalayan terai region of India. *Green Farming*. **2**(6): 374-375. ISSN 0974-0775.
22. **Jana, J. C.** and Jha, M. K. 2009. Evaluation of vermicompost and farmyard manure in integrated nutrient management of spinach (*Beta vulgaris* var. *bengalensis* Hort.). *Indian Journal of Agricultural Sciences*. **79**(7):538-541. ISSN 0019-5022.
23. **Jana, J. C.** and Talukder, B. 2009. Response of inoculation with Phosphate Solubilizing Bacteria and Vesicular Arbuscular Mycorrhiza on growth, yield and quality of chilli under sub-Himalayan terai region. *Green Farming*. **2**(8): 510-513. ISSN 0974-0775.
24. Talukder, B. and **Jana, J. C.** 2009. Integrated nutrient management for better growth, yield and quality of green chilli (*Capsicum annuum*) in terai region of West Bengal. *Indian Journal of Agricultural Sciences*. **79**(8):600-603. ISSN 0019-5022.
25. Chatterjee, R., **Jana, J. C.** and Pal, P. K. 2009. Utilization of betelvine boroj for year round production of pointed gourd (*Trichosanthes dioica* Roxb.)- A case study in Cooch Behar district of West Bengal, India. *Green Farming*. **2**(12): 849-851. ISSN 0974-0775.
26. Datta, S. and **Jana, J. C.** 2009. Effect of seasons and fertility levels on yield and quality of chilli (*Capsicum annuum* L) genotypes in terai agroclimatic region. *Indian Journal of Agricultural Sciences*. **79** (11): 917-921. ISSN 0019-5022.
27. Datta, S., **Jana, J. C.** and Choudhuri, P. 2009. Standardization of time for propagation of black pepper under terai zone of West Bengal. *Orissa Journal of Horticulture*. **57**(2): 98-102. ISSN 0973-2180.

28. Datta, S. and **Jana, J. C.** 2010. Genetic variability, heritability and correlation in chilli genotypes under terai zone of West Bengal. *SAARC Journal of Agriculture*. **8**(1): 33-45. ISSN 1682-8348.
29. Chatterjee, R., **Jana, J. C.** and Bandyopadhyay, S. 2010. Growth and multiplication of *Eisenia foetida* during vermicomposting of different vegetable crop residues. *Journal of Soil Biology and Ecology*. **30**(1 & 2):178-187. ISSN 0970-1370.
30. **Jana, J.C.**, Guha, S. and Chatterjee, R. 2010. Effect of planting geometry and nitrogen levels on crop fruit yield quality in okra grown during early winter in terai zone of West Bengal. *Journal of Horticultural Sciences*. **5** (1): 30-33. ISSN 0973-354X.
31. Datta, S. and **Jana, J. C.** 2011. Performance of chilli genotypes (*Capsicum annuum* L) genotypes under terai agro-climatic zone of West Bengal, *Indian Journal of Agricultural Sciences*. **81**(6): 567-570. ISSN 0019-5022.
32. Datta, S. and **Jana, J. C.** 2011. Studies on genetic divergence in chilli (*Capsicum* spp.) under sub-Himalayan tracts of West Bengal, *Journal of Crop and Weed*. **7**(1): 44-48. ISSN 0974-6315.
33. Choudhuri, P. and **Jana, J. C.** 2012. Effect of intercropping on nutrient uptake and quality parameter estimation in potato based intercropping system. *Crop Research*. **43**(1, 2 and 3):65-68. ISSN 0970-4884.
34. Choudhuri, P. and **Jana, J. C.** 2012. Effect of intercropping yield and economics of cabbage. *Journal of Crop and Weed*. **8**(1):155-157. ISSN 0974-6315.
35. Choudhuri, P. and **Jana, J. C.** 2012. Influence of intercropping on nutrient uptake and quality parameter estimation in okra based intercropping system. *Journal of Interacademia*. **16**(2):234-238. ISSN 0971-9016.
36. Datta, S. and **Jana, J. C.** (2012) Studies on stability of chilli genotypes under terai agro climatic zone of West Bengal. *Journal of Spices and Aromatic Crops*. **21**(1): 71-75. ISSN 0971-3328.
37. Chatterjee, R., **Jana, J. C.** and Paul, P. K. 2012. Enhancement of head yield and quality of cabbage (*Brassica oleracea*) by combining different sources of

- nutrients. *Indian Journal of Agricultural Sciences*. **82**(4): 323-327. ISSN 0019-5022.
38. Chatterjee, R., **Jana, J. C.** and Paul, P. K. 2013. Vermicompost Substitution Influences Shelf Life and Fruit Quality of Tomato (*Lycopersicon esculentum* Mill.). *American Journal of Agricultural Science and Technology*. **1**: 69-76. ISSN 2162-9676.
 39. **Jana, J. C.**, Moktan, P. and Chatterjee, R. 2013. A survey of nitrate concentrations in retail fresh leafy vegetables from daily markets of different locations. *Journal of Green Agricultural Science*. **2**(1):07-10. ISSN 2319-8575.
 40. DATTA, S. and **JANA, J. C.** 2014. Studies on stability of chilli genotypes at different fertility levels under terai zone of West Bengal. *Journal of Spices and Aromatic Crops*. **23**(1): 26-31. ISSN: 0971-3328
 41. Sarkar, R. K., **Jana, J. C.** and Datta, S. 2014. Effect of different sowing times and spacing on growth, yield and quality of water spinach (*Ipomoea reptans* Poir.) under terai region of West Bengal. *Journal of Applied and Natural Sciences*. **6**(2): 489-494. ISSN 0974-9411.
 42. Sarkar, R. K., **Jana, J. C.** and Datta, S. 2014. Effect of cutting frequencies and nitrogen levels on growth, green and seed yield and quality of water spinach (*Ipomoea reptans* Poir.). *Journal of Applied and Natural Sciences*. **6**(2): 545-551. ISSN 0974-9411.
 43. Datta, S. and **Jana, J. C.** 2014. Effect of Different Temperature and Rainfall Regimes with Different Levels of Soil Fertility on Uptake Pattern of N, P and K of Chilli (*Capsicum annum* L.) under Terai Zone of West Bengal. *American Journal of Agricultural Science and Technology*. **2** (1): 8-16. ISSN 2162-9676.
 44. Anandaraj, M., Prasath, D., Kandiannan, K., John Zachariah, T., Srinivasan, V., Jha, A. K., Singh, A. K., Pandey, V. P., Singh, S. P., Shoba, N., **Jana, J. C.**, Ravindra Kumar, K., and Uma Maheswari, K. 2014. Genotype by environment interaction effects on yield and curcumin in turmeric (*Curcuma longa* L.). *Industrial Crops and Products*. **53**:358– 364. ISSN 0926-6690.
 45. Chatterjee, R., Bandhopadhyay, S. and **Jana, J. C.** 2014. Organic amendments influencing growth, head yield and nitrogen use efficiency in cabbage (*Brassica oleracea* var. *capitata* L.). *American International Journal*

- of Research in Formal, Applied & Natural Sciences*. **5**(1):90-95. ISSN 2328-3777.
46. Chatterjee, R., Bandhopadhyay, S. and **Jana, J. C.** 2014. Impact of organic amendments and inorganic fertilizers on production potential, nitrogen use efficiency and nitrogen balance in tomato (*Lycopersicon esculentum* Mill.). *International Journal of Scientific Research in Knowledge*. **2**(5):233-240. ISSN 2322-4541.
 47. Datta, S. and **Jana, J. C.** 2015. Stability of chilli genotypes under different fertility level. *Green Farming*. **6**(2): 270-273. ISSN 0974-0775.
 48. Basak, D. and **Jana, J. C.** 2016. Yield and quality performance of turmeric varieties grown under conventional and organic nutrient management practices under terai region of West Bengal. *Environment and Ecology*. **34**(3):867-870. ISSN: 0970-0420.
 49. Datta, S. and **Jana, J. C.** 2016. Growth, yield and important quality attributes of Chilli (*Capsicum* sp.) genotypes under the sub Himalayan tracts of West Bengal. *Indian Journal of Horticulture*. **73**(1):66-73. ISSN 0972 8538.
 50. Datta, S., **Jana, J. C.**, Bhaisare, P. T. and Nimbalkar, K. H. 2017. Effect of organic source of nutrients and biofertilizers on growth, yield and quality of turmeric (*Curcuma longa* L.). *Journal of Applied and Natural Sciences*. **9**(4): 1981-1986. ISSN 0974-9411.
 51. Datta S, **Jana J.C.**, Bhaisare P. T., Thapa A. and Islam S. (2018) Effect of organic source of nutrients and biofertilizers on growth, yield and quality of ginger (*Zingiber officinale* Rosc.). *Journal of Pharmacognosy and Phytochemistry*, **7**(6): 2311-2314 (NAAS Rating : 5.20)
 52. Sen A., Choudhuri P, Chatterjee R and **Jana J C.** (2018)..Influence of inorganic nutrient, organic nutrient and bio-fertilizer on growth, yield and quality of cumin black (*Nigella sativa* L.) in eastern Himalayan region of West Bengal. *Journal of Pharmacognosy and Phytochemistry* **7**(2): 2571-2575. (NAAS Rating : 5.21)
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