

## Biodata and Publications

**Name and Designation** : **DR. RANJIT CHATTERJEE**  
Professor  
Vegetable and Spice Crops  
Faculty of Horticulture  
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**Sex** : Male  
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**Email Address** : ranchat22@rediffmail.com ; ranchat22@gmail.com  
**Service Experience** : More than 15 years (Teaching and Research)

<b>Experience in Research Management Position (RMP)</b>		
<b>Post held</b>	<b>From</b>	<b>To</b>
Head, Department of Vegetable and Spice Crops, Faculty of Horticulture, UBKV, Pundibari	17.03.2003 02.12.2016	16.12.2004 Till date
Member of Faculty Council, Faculty of Horticulture, UBKV, Pundibari	2004 2016	2008 Till date

### **Recognitions and awards**

<b>Title</b>	<b>Year</b>	<b>Organizer</b>
Invited as Guest Faculty in North East Hill University (NEHU), Tura campus of Meghalaya to cater course on production technology of vegetable and spice crops- RDA-404 (Hort.)	6 days (25-07-2012 to 30-07-2012)	Department of Rural Development and Agricultural Production (RDAP), Tura campus, NEHU (Central University), Meghalaya, India
ICAR JRF (Junior Research Fellowship) in Horticulture for pursuing M.Sc. programme	1996	Indian Council of Agricultural Research (ICAR), Govt. of India
ASRB NET (National Eligibility Test) in Vegetable Science	1998, 1999	ASRB, ICAR, Govt. of India

### **International Recognitions**

<b>Country</b>	<b>Type of Recognition</b>	<b>Year</b>	<b>Duration</b>	<b>Funding agency</b>
Taiwan	Selected as trainee at Ming Dao University, Taiwan on Basic Organic Crop Inspection training organized by IOIA, USA and ATOAP, Taiwan	2010	5 days (1-5 <sup>th</sup> November, 2010)	Association of Taiwan Organic Agriculture Promotion (ATOAP), Govt. of Taiwan.
Bangladesh	Invited as oral presenter at the International Seed Conference and Fair" Bangladesh Agricultural University, Mymensingh, Bangladesh	2012	3 days (8-10 <sup>th</sup> February, 2012)	Self supporting

### **Teaching Experience**

Associated with UG teaching (since joining) and M.Sc. teaching from 2003 onwards and Ph.D. teaching from 2009 onwards related to the vegetable crop production, improvement, seed production and post harvest management courses.

### **Associated with Academic Body**

- Regular member of the admission committee for UG and PG studies
- Member of Board of Research Studies as Departmental Nominee.

### **Research Experience**

- *P.G. Degree oriented research guidance/ supervision*  
*M. Sc. Students* as Chairman of the Advisory Committee: 4 students (Completed) and Member of Advisory Committee: 7 students (Completed)  
*Ph.D. Students* as Chairman of the advisory committee: 3 student (continuing); Member of Advisory Committee: 5 students (Completed) and 3 students (continuing).
- *Departmental Research Programme* :6

**Project Handled as CO-PI** : 3

**Project Handling as PI** : 1

**Project Handling as CO-PI** : 1

### **Publication**

Full Research papers : 56 ; Conference Proceedings: 2; Book: 1; Book chapter : 5; Popular Article : 5

**Participation in Summer/Winter School/Training:** 12

**Participation and presented paper in Seminar, Conferences, congress & Symposium**

a. International Level : 7 ; b. National Level : 11

### **Extension Experience**

- Associated as resource person in more than 50 numbers farmers' training/Seminar.
- Published Popular Article in Bengali : 6 (Published in *Anandabazar Patrika* and *Uttarer Saradin*); Leaflet (Bengali) : 2

### **Achievements**

- On an average in every year 3-4 number of UG students [B.Sc. (hort.) Hons] get ICAR JRF in Horticulture. Some students are selected as ARS Scientist in ICAR.
- During Last 14 years, conducting research works on organic vegetable production with special emphasis on vermicompost production from vegetable crop residues and its application on commercial vegetable crops.
- Delivering lectures as an expert on improved production technology of vegetable crops, organic vegetable production, vermicompost production and application at different farmers' training organized by the District Horticultural Officer, Agricultural Development Officer, Farmers club, Self help groups.
- Engaged in giving technical knowledge on package and practices of different vegetable and spice crops, organic farming and quality improvement in vegetable crops for farmers from the surrounding villages and districts.
- Expertise on organic farm certification of USDA NOP standard as per IFOAM guidelines. Actively involved in delivering lectures and training on organic certification norms to the organic farmers.

### Published Research paper in Refereed Journal

1. **Ranjit Chatterjee**, Somashekar Gajjela and Ravi Kiran Thirumdasu. 2017. Recycling of Organic Wastes for Sustainable Soil Health and Crop Growth. *International Journal of Waste Resources* 7(3):296 (doi: 10.4172/2252-5211.1000296).
2. Pinkey Dukpa, **Ranjit Chatterjee** and Satish Kr Subba. 2017. Soil and foliar iron fertilization on terrestrial Water spinach (*Ipomoea reptans*) for Biofortification. *Journal of Pharmacognosy and Phytochemistry* 6(6): 1327-1330. (ISSN:2349-8234).
3. **Ranjit Chatterjee**, Sagar Koner and Suchand Datta. 2016. Impact of microbial inoculants on the performance of bell pepper (*Capsicum annum L.*) varieties under foot hills of eastern Himalayan region. *International Journal of Current Microbiology and Applied Sciences* 5(9):131-138(ISSN:2319-7706).
4. **Ranjit Chatterjee** and Dipika Mal. 2016. Influence of Seedling Raising Method and Nutrient Sources on Seedling Growth and subsequent Performance of Cabbage (*Brassica oleracea var. capitata L.*). *Journal of Environmental and Agricultural Sciences* 9:15-20(ISSN:2313-8629).
5. **Ranjit Chatterjee**,Riman S Chowdhury, Pinkey Dukpa and Ravi Kiran Thirumdasu. 2016. Iron fortification in leafy vegetables: present status and future possibilities. *Innovare Journal of Agricultural Sciences*,4(4):1-3(ISSN:2321-6832).
6. S. Islam, S. Datta and **Ranjit Chatterjee**. 2016. Influence of planting date on performance of Cauliflower (*Brassica oleracea var. botrytis L.*) varieties at terai region of West Bengal, *International Journal of Bio-resource and Stress Management*, 7(3):426-431(ISSN:0976-3988).
7. **Ranjit Chatterjee**, Partha Choudhuri and Ravi Kiran Thirumdasu. 2016. Uptake and availability of major nutrients in cabbage crop amended with organic and inorganic nutrient sources under eastern Himalayan region, *Journal of Basic and Applied Research international* 15(2): 100-105, International Knowledge Press, Manchester, United Kingdom, Europe (ISSN: 2395-343).
8. Dipika Mal and **Ranjit Chatterjee**. 2016. Residual effect of vermicompost and inorganic fertilizers of sprouting broccoli (*Brassica Oleracea L. var. italica Plenck.*) on succeeding cowpea (*Vigna unguiculata L. Walp.*) pod yield and soil fertility in eastern Himalayan region, *Green farming* 7 (1): 148-151.(ISSN 0974-0775).
9. Sagar Koner, **Ranjit Chatterjee** and Suchand Datta. 2015. Effect of planting dates and varieties on growth, fruit yield and quality of bell pepper (*Capsicum annum L.*), *Journal of Applied and Natural Science* 7 (2): 734 -738.

10. **Ranjit Chatterjee**, 2015. Influence of nutrient sources on growth, yield and economics of organic lettuce production under foothills of eastern Himalayan region, *Emirates Journal of Food and Agriculture* 27(5): 460-462.
11. Dipika Mal, **Ranjit Chatterjee** and Nimbalkar K. H. 2015. Effect of vermicompost and inorganic fertilizers on growth, yield and quality of sprouting broccoli (*Brassica oleracea* L. var. *italica* Plenck), *International Journal of Bioresource and stress management*, 5(4):507-512
12. **Ranjit Chatterjee**, Ravi Kiran Thirumdasu and Dipika Mal, 2015. Off-season French bean (*Phaseolus vulgaris* L.) cultivation inside agro shade net: influence of planting dates and nutrient sources, *Journal of Agriculture and Technology* 2(1&2): 87-91, (ISSN: 2348-4721).
13. **Ranjit Chatterjee** and Ravi Kiran Thirumdasu. 2015. Climate change mitigation through organic farming in vegetable production, *Agricultural and Biological Sciences Journal* 1(3): 76-82, (ISSN: 2381-7186).
14. **Ranjit Chatterjee** and Ravi Kiran Thirumdasu. 2015. An inventory of the diversity and ethnomedicinal properties of cucurbitaceous vegetables in the homestead gardens of sub Himalayan districts of West Bengal, India, *Research and Reviews: Journal of Botanical Sciences* 3(4): 40-45 (ISSN: 2347-2308).
15. Islam. S., **Chatterjee R.** and Datta, S, 2014. Effect of bio-inoculants on the performance of cauliflower(*Brassica oleracea* var. *botrytis* L.) *Journal of Crop and Weed*, 10(1):93-97
16. Soumen Maitra and **Ranjit Chatterjee**, 2014. Chemotaxonomic diversity of herbal leafy vegetables in the foot hills of eastern Himalayan region, India, *American Journal of Ethnomedicine* 1(4): 334-345.
17. **Ranjit Chatterjee** and Ravi Kiran Thirumdasu 2014. Nutrient management in organic vegetable production, *International Journal of Food, Agriculture and Veterinary Sciences*, 4 (3): 156-170 (ISSN: 2277-209X)
18. **Chatterjee Ranjit**, 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 and Natural Sciences*, 5(1): 90-95(ISSN: 2328-3785)
19. **Chatterjee Ranjit**, Bandhopadhyay S and Jana J C. 2014. Evaluation of vegetable wastes recycled for vermicomposting and its response on yield and quality of carrot (*Daucus carota* L.), *International Journal of Recycling of Organic Waste in Agriculture*, 3(2): 1-7 (Article number 60, June issue, Springer Publication)

20. **Chatterjee Ranjit**, 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).
21. **Chatterjee Ranjit** and Bandyopadhyay S. 2014. Studies on effect of organic, inorganic and biofertilizer on plant nutrient status and availability of major nutrients in tomato, *International Journal of Bio-resource and Stress Management*, 5(1):93-97 (ISSN:0976-3988).
22. **Chatterjee Ranjit** and Paul P K. 2014. Studies on storage behavior of cabbage head as influenced by organic amendments and inorganic fertilizers, *International Journal of Agricultural, Biosystems Science and Engineering*, 8(1): 50-53(World Academy of Science, Engineering and Technology ISSN: )
23. **Chatterjee Ranjit** and Mahanta Sandip. 2013. Performance of off-season cauliflower (*Brassica oleracea* var. *botrytis* L.) under agro shade net as influenced by planting dates and nutrient source, *International Journal of Advances in Agricultural Science and Technology*, 1(1): 56-62 (December 2013 issue)( ISSN:2348-1358).
24. **Chatterjee Ranjit** and Khalko Surojit.2013. Influence of organic amendments and inorganic fertilizers on late blight incidence and yield of tomato (*Lycopersicon esculentum* Mill.), *International Journal of Geology, Agriculture and Environmental Sciences*, 1(1): 36-38(December 2013 issue) (ISSN:2348-0254).
25. **Chatterjee Ranjit**.2013. Physiological attributes of tomato influenced by different sources of nutrients under foothill of eastern Himalayan region, *Journal of Applied and Natural Science (An International Journal)* (ISSN:0974-9411)
26. **Chatterjee Ranjit** and Paul P K. 2013. Impact of organic amendments and inorganic fertilizers on post harvest storage life and organoleptic quality of tomato under eastern Himalayan region, *Discovery Agriculture* 1(1): 39-42 (ISSN 2347-3819).
27. **Chatterjee Ranjit**, Mahanta Sandip and Pal P K. 2013. Adoption status and field level performance of different protected structures for vegetable production under changing scenario. *Innovare Journal of Agricultural Science* 1(1):11-13(ISSN 2321-6832).
28. **Chatterjee Ranjit**, 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, Columbia International Publishing.
29. **Chatterjee Ranjit** and Choudhuri Partha (2013). Response of okra to different sources of nutrients under foothill of Eastern Himalayan region of India. *Journal of Green Agricultural Science*. 2(1):01-03(ISSN 2319-8575).

30. Jana J. C., Moktan P. and **Chatterjee Ranjit**. 2013. A survey of nitrite concentrations in retail fresh leafy vegetables from daily markets of different locations. *Journal of Green Agricultural Science* 2(1): 07-10(ISSN 2319-8575).
31. **Chatterjee Ranjit**, Choudhuri Partha and Laskar Nripendra.(2013). Influence of nutrient management practices for minimizing whitefly (*Bemisia tabaci* Genn.) population in tomato (*Lycopersicon esculentum* Mill.). *International Journal of Science, Environment and Technology* 2(5):956 - 962 (ISSN 2278-3687).
32. **Chatterjee R** and Choudhari.P. 2012. Influence of foliar application of plant growth promoters on growth and yield of vegetable cow pea [*Vigna unguiculata* (L) Walp. *Journal of Crop and Weed*. 8(1):158-159(ISSN 0974-6315).
33. **Chatterjee Ranjit.**; 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)
34. **Chatterjee Ranjit**. 2010. Physiological attributes of cabbage (cv. Golder Acre) as influenced by different sources of nutrients under eastern Himalayan region. *Research Journal of Agricultural Sciences*, 1 (4) : 318-321. (ISSN 0976-1675)
35. **Chatterjee Ranjit** and Bandyopadhyay S.2010. Studies on composting of different crop residues as influenced by earthworm activity. *Journal of Soil Biology and Ecology*, 30(4):169-177. (ISSN 0970-1370)
36. Saha Partha, Das Namita Rani and **Chatterjee Ranjit**. 2010. Boron and molybdenum nutrition in sprouting broccoli under terai region of West Bengal. *The Asian Journal of Horticulture*, 5(2) : 353-355. (ISSN 0972-8538)
37. **Chatterjee Ranjit**, Jana J. C. and Bandyopadhyay, S. 2010.Growth and multiplication of *Eisinea fetida* during vermicomposting of different vegetable crop residues. *Journal of Soil Biology and Ecology*,30(4):178-187. (ISSN 0970-1370)
38. **Chatterjee R**.2010. Effect of growth media, biofertilizer and foliar nutrients on seedling growth of drumstick (*Moringa oleifera* Lam.) cv. PKM 1, *Green Technology*, 9:117-119.
39. Choudhuri P and **Chatterjee R**. 2010. Influence of growth promoting substances on growth, yield and quality of okra(*Abelmoschus esculentus* L. Moench) CV. Arka Anamika under terai ecological zone of West Bengal, *Green technology*.9:150-151.
40. Jana J C, Guha S and **Chatterjee R**. 2010. Effect of planting geometry and nitrogen levels on fruit yield and quality of okra grown during early winter in terai zone of West Bengal. *Journal of Horticultural Sciences*, 5 (1) : 30-33. (ISSN 0973-354X).

41. Saha P, **Chatterjee R**, Das N R and Mukhopadhyay D. 2010. Response of sprouting broccoli to foliar application of boron and molybdenum under terai region of West Bengal. *Indian Journal of Horticulture*, **67** (Special Issue) : 214-217. (ISSN 0972-8538).
42. Saha P, **Chatterjee R** and Das N.R. 2010. Effect of foliar application of boron and molybdenum in sprouting broccoli (*Brassica oleracea* var *italica* Plenck) under terai region of West Bengal, *Research Journal of Agricultural Sciences*, 1(4): 335-337
43. **Chatterjee Ranjit**, 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 Coochbehar district of West Bengal, India. *Green Farming*. **2**(12):849-851.(ISSN 0974-0775).
44. Choudhuri Partha and **Chatterjee Ranjit**.2009. Evaluation of some Garlic (*Allium sativum* L.) germplasm for their suitability under terai zone of West Bengal.*Orissa Journal of Horticulture* **37**(2):30-34. (ISSN 0973-2180)
45. Pal P K, **Chatterjee R** and Bandhopadhyay S. 2009. Indiginization of vermicompost technology-A case study. *Green Farming* **2** (9):609-612(ISSN 0974-0775).
46. Panwar P, Choudhuri P, **Chatterjee R**, Suresh C P and Medda P.S. 2007. Growth and yield of palak under multitier agroforestry system in terai zone of W.B. *Range Management & Agroforestry* **28**(1):41-43 (ISSN 0971-2070).
47. **Chatterjee Ranjit** and Choudhari Partha.2007. Influence of vermicompost as potting mixture on growth of Moringa cv PKM 1 seedling under terai zone of west Bengal.*The Horticultural Journal*. Special issue **20**(3):134-136.
48. Medda P S, **Chatterjee R**, Choudhuri, P and Singh, LS. 2007. Nutrient management of *Lal sak* (*Amaranthus tricolor* L.) by combining inorganic, organic and biological sources under young coconut orchard. *The Horticultural Journal*. Special issue **20**(3):137-139.
49. Choudhuri P, **Chatterjee R** and Medda P S.2007. Effect of combined application of organic and inorganic sources of nutrients on yield and yield attributes of Okra in terai zone of West Bengal. *The Horticultural Journal*. Special issue **20**(3):140-142.
50. Panwar P, Choudhuri P, Medda P S, Suresh C P and **Chatterjee R**. 2006. Effect of mulch materials and light intensity on performance of Elephant foot yam in multitier agroforestry system. *Environment and Ecology*. **24S**(3A):930-933(ISSN 0970-0420).
51. **Chatterjee Ranjit** and Satya P. 2006. Sex Expression and phenotypic performance of local pumpkin cultivars as influence by ethrel application. *Environment and Ecology* **24S**(4):1161-1163(ISSN 0970-0420).

52. Saha, Partha, **Chatterjee Ranjit** and Mukherjee, D. 2006. Effect of boron and molybdenum on yield and quality of Sprouting Broccoli under terai Agro ecological region of West Bengal. *Crop Research*. **32**(3):396-400(ISSN 0970-4884).
53. **Chatterjee Ranjit** 2006. Effect of transplanting dates and spacing on seed yield and quality of cauliflower (*Brassica oleracea* var *botrytis* L.) cv Pusa Early Synthetic. *Seed Research*, **34**(1):104-106 (ISSN 0379-5594).
54. **Chatterjee Ranjit**, Choudhari Partha and Bandhopadhyay Shekar. 2006. Influence of integrated use of organic and inorganic sources of nutrients on green yield of palak (*Beta vulgaris* L. var *bengalensis* Hort.) cv Pusa Bharati in terai zone of west Bengal. *Environment and Ecology*. **24**(S):722-723.(ISSN 0970-0420).
55. **Chatterjee Ranjit** and Kohli U K. 2004. Variability studies in Bell Pepper. *The Horticultural Journal* **17**(3): 241-244.
56. **Chatterjee Ranjit** and Kohli U K. 2004. Correlation and path coefficient analysis in Bell Pepper. *The Horticultural Journal*. **16**(3):57-61.

**Date : 02-01-2018**

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**(Ranjit Chatterjee)**