

Academic Profile of RAIMANI HEMBROM

Name : RAIMANI HEMBROM
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Field of specialization: **Horticulture (Floriculture & Landscape Architecture)**

Describe yourself : Hardworking, punctual, quick learner and disciplined.

Educational Qualifications	:	Degree	University/Institute	Marks obtained (%)
	:	B.Sc. (Ag.)	Birsa Agricultural University, Ranchi	83.70
	:	M.Sc. (Ag.)	Banaras Hindu University, Varanasi	88.40
	:	Ph.D. (Hort.)	Indian Agricultural Research Institute, New Delhi (IIHR Bengaluru Campus)	91.69

Research Projects:

M.Sc. (2012-2014)	Effect of Zinc and Iron on Growth, Flowering, Postharvest And Yield Attributes in Lillium and Gladiolus.
Ph.D. (2014-ongoing)	Molecular Analysis of Host-Pathogen Interaction in Gladiolus: <i>Fusarium oxysporum</i> f.sp. <i>gladioli</i>

Achievements

- 4th rank in merit list in B.Sc and M.Sc.
- Received State government scholarship from 2008-2012.
- Cleared National Eligibility Test (NET) conducted by ASRB (ICAR), New Delhi, recognized by UGC/CSIR.
- Awarded **National Fellowship for Higher Education of ST Students** (earlier Rajiv Gandhi National Fellowship for SC/ST) for Ph.D. program under University Grant Commission funded by Ministry of Tribal Affairs.
- Awarded medals and certificates for Discipline, Art and Sports.

Research papers published in Journals

1. **Hembrom, R.** and Singh, A.K. 2015. Effect of iron and zinc on growth, flowering and bulb yield in liliium. *International Journal of Agriculture, Environment and Biotechnology*, **8**(1): 61-64.
2. **Hembrom, R.**, Singh, A.K., Sisodia, A., Singh, J. and Asmita. 2015. Influence of Foliar Application of Iron and Zinc on Growth, Corm and Cormel Yield in Gladiolus cv American Beauty. *Environment & Ecology*, **33**(4): 1544-1546.
3. Singh, A.K., **Hembrom, R.**, Singh, J., Sisodia, A. and Pal, A.K. 2015. Effect of Iron and Zinc on Growth and Postharvest Life in Liliium cv Tresor. *Environment & Ecology*, **33** (2): 625-628.
4. Singh, A.K., Asmita, Sisodia, A. and **Hembrom, R.** 2015. Effect of foliar application of zinc and copper on leaf nutrient content, growth and flowering in gladiolus (Gladiolus spp) cv. Pink Friendship. *Indian Journal of Agricultural Sciences*, **85** (7): 95-99.
5. Singh, A.K., Singh, S.V., Sisodia, A., Asmita, and **Hembrom, R.** 2015. Effect of Pinching and Nitrogen on Growth, Flowering and Seed Yield in African Marigold cv, Pusa Narangi Gainda. *Environment & Ecology*, **33** (4B): 1876-1879.

Abstracts published in Conferences/Symposia/ Seminars/Workshops:

1. **Hembrom, R.**, Asmita, Singh, J., Sisodia, A., Pal, A.K. and Singh, A.K. 2014. Response of foliar application of iron and zinc to growth, corm, cormel yield in gladiolus cv. American Beauty. International Symposium on Innovations in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation, Lucknow. Pp. 171.
2. **Hembrom, R.**, Singh, A.K., Singh, J., Sisodia, A. and Pal, A.K. 2014. Effect of Zinc and Iron on Growth, Flowering and Yield of Liliium cv. Tresor. Horticulture for Inclusive Growth, 6th Indian Horticulture Congress. Pp. 269.
3. Singh, A.K., **Hembrom, R.**, Kumar, A., Wagle, G.R. and Ghimire, N.R. 2014. Influence of Iron and Zinc on Flowering and Postharvest Life in Gladiolus cv. American Beauty. International Conference on Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture. Pp. 61.
4. Singh, A.K., Asmita, **Hembrom, R.**, Reddy, B.R., Singh, J. and Sisodia, A. 2014. Evaluation of germplasm of snapdragon (*Antirrhinum majus*) for vegetative, flowering and postharvest traits. Asian Plant Science Conference, Nepal. pp. 19.
5. Singh, A.K., Reddy, B.R., Sisodia, A., **Hembrom, R.** and Pal, A.K. 2014. Foliage Plant Breeding: Hurdles, Possibilities and Achievements. International Conference on Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture. Pp. 81.
6. Singh, J., Sisodia, A., Kumar, A., **Hembrom, R.** and Singh, A.K. 2014. Sustainable Use of Water in Container Gardening. National Seminar on Sustainable Water Resource Management in Era of Changing Climate. Pp. 23.
7. Kumar, A., Singh, J., Sisodia, A., **Hembrom, R.** and Singh, A.K. 2014. Study of tuberose cultivars growth, flowering and post-harvest life. National Seminar on Protected Cultivation of Horticulttural Crops and Value Addition. Pp.119-120.

8. Asmita, Singh, A.K., Sisodia, A., Pal, A.K. and **Hembrom, R.** 2014. Effect of zinc and copper to growth, flowering and bulb attributes in Asiatic lily cv. Albedo. Asian Plant Science Conference, Nepal. Pp. 20.
9. Singh, A.K., Singh, J., Sisodia, A., Kumar, A., Hemlata, **Hembrom, R.** and Pandey, A. 2014. Influence of Brackish Water in Ornamental Plants. Sustainable Use of Water in Container Gardening. National Seminar on Sustainable Water Resource Management in Era of Changing Climate. Pp. 25.
10. Singh, A.K., Pal, A.K., Sisodia, A., Singh, J., Asmita and **Hembrom, R.** 2014. Response of pinching and nitrogen to growth, flowering and seed yield in African marigold. International Symposium on Innovations in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation, Lucknow. Pp. 170.
11. **Hembrom, R.** and Rao, T.M. 2015. Skyscraping Gardening- Revolution on Rise. International Conference on Vertical Farming. Bengaluru. Pp. 12.
12. Kumari, P., **Hembrom, R.** and Thaneshwari. 2015. International Conference on Vertical Farming. Bengaluru. Pp. 13.
13. Thakur, N., Thaneshwari, Hemlata, **Hembrom, R.** and Kumari, P. 2015. Vertical Gardening: A New Concept for Urban Landscaping. International Conference on Vertical Farming. Bengaluru. Pp. 6.

Articles:

1. Singh, J., Sisodia, A., Sisodia, V., Singh, A.K., Reddy R.S. and **Hembrom, R.** 2013. Marigold- As a Source of Nutrient Supplement. Systemic Approach in Implementation of Informational and Resource-Saving Technologies in Food Crops Production: Prerequisite for Eco-Balancing. Pp. 15-20.
2. **Hembrom, R.**, Singh, A.K., Sisodia, A., Pal, A.K. and Ray, Priyabrat. 2014. Significance of flowers in aromatherapy. Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture. Pp. 13-18.
3. **Hembrom, R.**, Singh, A.K., Sivaram, G.T., Sivarama Krishna, V.N.P., Sisodia, A., Asmita and Verma, A. 2014. Importance of Indoor Plants in Enhancing Beauty and Improving Environment. Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture. Pp. 201-204.
4. Singh, A.K., **Hembrom, R.**, Sisodia, A., Reddy, B.R., Kumar, A. and Dakho, J. 2014. Therapeutic Role of Flowers. Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture. Pp. 81-86.
5. Singh, B.K., Kumar P., Pal, A.K., Verma, A., **Hembrom, R.**, Moharana, D.P. and Singh, A.K. 2014. Dehydration and development of pulped and beverage from mango. Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture. Pp. 23-30.
6. Singh, A.K., Sisodia, V., Sisodia, A., Sivaram, G.T., Sivarama Krishna, V.N.P., **Hembrom, R.** and Kumar, A. 2014. Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture. Pp. 426-430.
7. Singh, A.K., **Hembrom, R.** and Sisodia, A. 2015. Flower seed production under protected conditions. National Workshop cum Seminar on Precision Farming: A Boon for Flower Industry. Pp. 25-37.

8. सिंह, ए.के., सिसोदिया, अं., सिंह, ज., हेम्ब्रोम, रा., अस्मिता एवं हेम्लता. २०१५. ग्लैडियोलस की उन्नत जातियाँ एवं वैज्ञानिक खेती. मण्डलीय शाकभाजी, फल एवं पुष्प पर्दर्शनी.

Participation in Conferences/Symposia/ Seminars/Workshops:

International:

1. International Symposium on Innovations in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation, 16-18th October, 2014 at Babasaheb Bhimrao Ambedkar University, Lucknow.
2. International Conference on Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture, 15-16th November, 2014 at Institute of Agricultural Sciences, Banaras Hindu University, Varanasi.
3. 3rd International Symposium on “Phytophthora: Taxonomy, Genomics, Pathogenicity, Resistance and Diseases Management, 9-12th September, 2015 at ICAR-Indian Institute of Horticultural Research, Bengaluru.
4. International Conference on Vertical Farming, 2 and 3rd November 2015 at Hotel Taj West End, Bengaluru.

National:

1. National Conference on Systematic Approach in Implementation of Informational and Resource-Saving Technologies in Food Crop Production: Prerequisite for Eco-Balancing, 23-24th November, 2013 at Institute of Agricultural Sciences, Banaras Hindu University, Varanasi.
2. National Seminar on Indian Agriculture and Rural Development in Changing Global Scenario, 7th February, 2014 at Institute of Agricultural Sciences, Banaras Hindu University, Rajiv Gandhi South Campus, Barkachha, Mirzapur.
3. National Meet on Distant Hybridization in Horticultural Crop Improvement 22-23rd January, 2015 at ICAR-Indian Institute of Horticultural Research, Bengaluru.
4. National Conference on Fruit Breeding in Tropics and Subtropics- An Indian Perspective, 27-29th April, 2016 at ICAR-Indian Institute of Horticultural Research, Bengaluru.

Other qualifications: Diploma in Computer Applications