

URRICULUM VITAE

DR. JYOTI PANDEY

M. Sc., Ph.D.

Assistant Professor (Adhoc)
Department of Botany
Guru Ghasidas Vishwavidyalaya,
Bilaspur(C.G.)
Email: pandeyjyoti123@gmail.com



Educational Qualifications:

Examination passed	Name of University /Institution	of Passing year	Percentage of marks	Class/ Division	Subject specialization
Ph. D*	P. U. Jaunpur (Research work was carried out at Indian Institute of Vegetable Research, Varanasi)	2006	Awarded	Awarded	Botany
M.Sc.	P. U. Jaunpur	2001	69.75	First	Botany
B.Sc.	P. U. Jaunpur	1999	63.10	First	Botany, Zoology, Chemistry

***Ph.D. Thesis Title**

“Characterization of *Capsicum* Germplasm, Inbreds and CMS based Cresses with Special Reference to Oleoresin and Capsaicin”

Research Experience/ Positions held, so far:

Name of the post	Name and address of employer	Duration of appointment with dates	Nature of job
Dr. D.S. Kothari Postdoctoral Fellow	UGC (BHU)	3.02. 2009 – 2.02.2012	Research
Research Associate	CSIR (BHU)	1.10.2008 – 02.02.2009	Research
Senior Research Fellow	ICAR (IIVR)	14.06.2004 -30.04.2007	Research

Award: “Young Scientist Award 2011” in the field of "Genetics and Plant Breeding"
Under the auspices of Bioved Research Institute of agriculture and technology, Allahabad

Expertise acquired

- a. Conservation of germplasm and crossing
- b. Cytological analysis
- c. Biochemical and molecular analysis

Research Paper Published

1. Study of Physico-chemical Parameters of different Pond Water of Bilaspur District, Chhattishgarh, India. A K Dixit, S K Pandey, R Mehta, Niyaz Ahmad, Gunjan and **Jyoti Pandey**. (2015). *Environmental Skeptics and Critics*. 4(3): 89-95
2. Singh Sanjay Kumar, Upadhyay A. K, **Pandey Jyoti**, Pandey A.K. (2013). Studies on heterosis and combining ability in bottle gourd (*Lagenaria siceraria* (mol.) standl.) for yield traits. *Annals of Horticulture*. 5 (2): 246-251.
3. **Pandey Jyoti** , Srivastava K, Upadhyay AK and Singh J (2013). Qualitative Traits in Chilli (*Capsicum annuum* L.) In: Proc. XV EUCARPIA Meeting on genetics and Breeding of Capsicum and Eggplant (2-4 September), Turin, Italy, pp.425-430.
4. **Pandey J**, J Singh, R Kumar, K Srivastava, S. Kumar, M. Singh, and B. Singh (2010). Effect of storage on stability of capsaicin and colour content in chilli (*Capsicum annuum* L). *Advances in genetics and breeding of capsicum and eggplant* . JaimsProhens and Adrian Rodriguez-Burruezo. p. 267-272.
5. **Pandey Jyoti**, Jagdish Singh and Kartikeya Srivastava. (2010). Comparision of HPLC and spectrophotometric methods for determination of capsaicin content in chilli (*Capsicum annuum* .L). *Processed Food Industry*. 13 (7): 23-25.
6. **Pandey Jyoti**, Jagdish Singh, A. K. Singh, Mathura Rai, and Sanjeet Kumar (2009). Promising lines for qualitative traits in chilli (*Capsicum annuum* L). *Vegetable Science* 36 (3) suppl. 390-392.
7. **Pandey Jyoti**, Jagdish Singh, Ajay Verma, A. K. Singh, Mathura Rai and Sanjeet Kumar. (2009). Variation in ascorbic acid content at three different maturity stages of chillies. *Processed Food Industry*.12 (3): 31-33.
8. **Pandey J**, Singh J, Verma A, Singh AK, Rai M, Pandey AK and Kumar S. 2009. Variability in quality components of RILS in chilli (*Capsicum Annuum* L.). *Acta Hort. (ISHS)* 830:179-182.
9. **Pandey Jyoti**, Jagdish Singh, Ajay Verma, A. K. Singh, Mathura Rai and Sanjeet Kumar (2008). Evaluation of chilli (*Capsicum annuum* L) genotypes for some quality traits. *J Food Sci Technol*. 45(5), 463–465.
10. **Pandey Jyoti**, Jagdish Singh, Ajay Verma, A. K. Singh, Mathura Rai and Sanjeet Kumar. (2008). Manifestation of heterosis in cms based hybrids of chilli (*capsicum annuum* L.). *Vegetable Science*.35 (1): 25-30.

11. **Pandey Jyoti**, Jagdish Singh, Ajay Verma, A. K. Singh, Mathura Rai and Sanjeet Kumar. (2007). Storage effect on colour traits in chilli (*Capsicum annuum* L) powder. *Processed Food Industry*. 10 (11): 20-24.
12. **Pandey Jyoti**, Jagdish Singh, Ajay Verma, A. K. Singh, Mathura Rai and Sanjeet Kumar. (2007). Heterosis studies in CMS hybrids of chilli (*Capsicum annuum* L.) for yield and quality parameters. *XIIIth Meet, Progress in Research on Capsicum & Eggplant. Niemirowicz- Szczytk, Poland*, p.211-220.

Book chapter published/ accepted

1. **Pandey J**, Srivastava K and Kumar Sanjeet (Sinha A, Sharma VK and Srivastava (2012) . Chilli (*Capsicum* spp.): A Diverse Crop with Innovative Uses. In: *Microbial Diversity of Natural Ecosystem: Modern Trends* (Sinha A, Sharma VK and Srivastava M Eds) Biotech Books Vol.1 Chapter 12 187-195.
2. Srivastava K, Kumar R and **Pandey J** (2012). Major Disease of Tomato and their Management. In: *Microbial Diversity of Natural Ecosystem: Modern Trends* (Sinha A, Sharma VK and Srivastava M Eds) Biotech Books Vol.1 Chapter 32 513-525.
3. Sabjiyo mai jal prabandhan. In: *Bhoomi avam Jal Sansadhan Prabandhan* (2010) Srivastava K and **Pandey J** (Singh SR and Singh SR Eds) Kala Prakashan Vol.1 113-119.

Popular article published:

1. Rajesh Kumar, Sanjay Kumar, **Jyoti Pandey** and Mathura Rai. (2007). Arthik samridhi ke liye mirch ki kheti.1 (2). 43-47.

Book

1. Jyoti Pandey (2015). Chilli: A Solanaceous Crop with Tremendous Attributes. ISBN No. 978-3-659-58721-4. Lap Lambert Academic Publishing, Germany.

Papers Presented In Conferences /Sminar/Workshop

S. No	Title of paper presented	Title of Conference /Seminar	Date	Organized by	Whether International /National /State	Mode of Presentation	Authors
1.	Diversity in chilli (<i>Capsicum annuum</i> L) genotypes for capsaicin, oleoresin and extractable colour content	Plant Genome Diversity Conservation and Manipulation	Feb 16-17, 2007	Department of Botany, BHU, Varanasi, India	National	Poster	Pandey Jyoti , Jagdish Singh, Ajay Verma, A. K. Singh, Sanjeet Kumar and Mathura Rai

2.	Screening of chilli (<i>Capsicum annuum</i> L.) germplasm for vitamin C, capsaicin, oleoresin and other qualitative traits.	SAARC Workshop on Biodiversity Conservation	Sep 21-22, 2010	Department of Plant Physiology, Institute of Agricultural Sciences, BHU, Varanasi, India	International	Oral	Jyoti Pandey , Kartikeya Srivastava and Jagdish Singh
3.	Effect of integrated use of organic manure, inorganic fertilizer and biofertilizer on yield and nutrient uptake of cabbage (<i>Brassica oleracea</i> L. var. capitata)	IXXXXIII Annual Convention of Indian Society of Agricultural Chemists and National Conference on Soil Management for Achieving Food Security and Nutritional Safety Under Normal and Intensified Agro ecosystems	Nov 01-02, 2010	Department of Soil Science and Agricultural Chemistry, Institute of Agricultural Sciences, BHU, Varanasi, India	National	Poster	A. K. Upadhyay, Jagdish Singh, Anant Bahadur, J. S. Bohra, and <u>Jyoti Pandey</u>
4.	Determination of beta-carotene, alpha-carotene, xanthophyll and lycopene content in green vegetables	National conference of plant physiology	Nov 25-27, 2010	Department of Plant Physiology, Institute of Agricultural Sciences, BHU, Varanasi, India	National	Oral	Jyoti Pandey , A. K. Upadhyay, K. Srivastava and Jagdish Singh
5.	Performance of chilli genotypes for capsaicin, oleoresin, extractable colour and colour value content during two seasons	IVth International Conference on plants and environmental pollution	Dec, 8-11, 2010	International society of environmental botanists and national botanical research institute, lucknow	International	Poster	Jyoti Pandey , Kartikeya Srivastava, and Jagdish Singh

6.	Effect of wellgro products on yield and quality traits in chips variety of potato	International Conference on Managing sustainable development on rural economy and agri business	Jan, 21-23, 2011	Department of Agricultural Economics, Institute of Agricultural Sciences , BHU, Varanasi, India	International	Poster	Kartikeya Srivastava and Jyoti Pandey
7.	Effect of season on qualitative traits in Chilli (Capsicum annum L)	National Conference On Environmental Problems In India And Challenges To Plant Bilogist	Feb 4-5, 2011	Department of Botany, U.P(Autonomous) College, Varanasi	National	Oral	Jyoti Pandey , Kartikeya Srivastava, Ashok kumar Singh and Jagdish Singh
8.	Studies On The Qualitative Traits In Chilli (Capsicum Annum L.)	13 th Indian Agricultural Scientists and Farmers Congress on sustainable developmental Strategies For Food Security, Bio- diversity and Livelihood Security	Feb 19-20, 2011	Bioved Research Institute of Agriculture & Technology, Allahabad	National	Oral	Jyoti Pandey , Kartikeya Srivastava, Jagdish Singh and Ajai Kumar Pandey
9.	Studies on Heterosis in Chilli (Capsicum annum L.)	Emerging Trends in plant sciences	March 3-4, 2011	Department of Botany, BHU, Varanasi, India.	National	Poster	Jyoti Pandey , Kartikeya Srivastava, Rajesh Kumar and Jagdish Singh
10	Water pollution causes and control	Controlling environmental pollution through water conservation for sustainable development	Nov 26-27, 2011	Mahima Research Foundation and Social Welfare, Varanasi	National	Oral	Jyoti Pandey and Kartikeya Srivastava,

11	Effect on colour quality in chilli (<i>Capsicum annuum</i> L) powder after storage	International on mycology and plant pathology : biotechnological approaches	Feb 28-1 March, 2012	Center of advanced study in botany, BHU, Varanasi	International	Poster	Jyoti Pandey and Kartikeya Srivastava
12	Chilli a diverse crop	National Symposium On Plant Biology and its Role in Sustainable Food And Energy Production	March 17-18, 2012	Department of Botany Guru Ghasidas Vishwavidyalaya Bilaspur-495009, Chhattisgarh	National	Oral	Jyoti Pandey and Kartikeya Srivastava
13	Capsicum: A Solanaceous crop with tremendous attribute	National Research Seminar on Environment and conservation of biodiversity	Jan 29-30, 2015	Department of Botany Govt Madanlal Shukla College, Seepat, Bilaspur, Chhattisgarh	National	Oral	Jyoti Pandey
14	Variability in vitamin-c content at three different maturity stages of chilli.	Recent trends in Science and Technology	Feb 28-29, 2015	Swami Vivekanand University, Sagar (MP)	International	Oral	Jyoti Pandey