

# Resume

**1. Name:** Dr. Dharmendra Pratap

**2. Present designation:** Assistant Professor

**3. Present Institutional address, telephone number, fax and email:**

Department of Genetics & Plant Breeding,

Chaudhary Charan Singh University,

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## 4. Academic degrees:

S. No	Degree/ Research	University/ Institution	Year	Field of Study
1	Ph. D.	CSIR-National Botanical Research Institute, Lucknow/ University of Lucknow, Lucknow.	2009	Botany (Plant Molecular Virology)
2	M.Sc.	Kumaun University, Nainital.	2004	Biotechnology
3	B. Sc.	University of Lucknow, Lucknow.	2000	Botany, Zoology and Chemistry

**5. Title of PhD Thesis:** “Molecular characterization of a cucumovirus causing fern leaf/ shoestring in tomato and development of resistance in tomato plants utilizing viral capsid protein gene”

**Supervisor:** Prof. S.C. Srivastava, Ex. Head, Dept. of Botany, University of Lucknow, Lucknow

**Co-supervisor:** Dr. S.K Raj, Chief Scientist, National Botanical Research Institute, Lucknow

## 6. Details of employments and nature of duties (excluding the time spent for PhD):

S. No.	Institution/ Place	Position	From (Date)	To (date)	Duration	Nature of duty
1	Department of Genetics & Plant Breeding, CCS University, Meerut	Assistant Professor	30.05.15	till date	-	Teaching & Research

2	Department of Horticulture, Sikkim Central University, Gangtok	Assistant Professor	30.04.12	27.05.2015	03years, 27 days	Teaching & Research
3	Ankur Seeds Private Limited, Nagpur	Research Coordinator	29.07. 11	28.04.2012	08 months,29 days	Research & Management
4	International Centre for Genetic Engineering and Biotechnology, New Delhi	RA	22.10.09	28.07.2011	01 years, 09 months,06 days	Research & Development

### 7. Areas of specialization:

1. Plant Molecular Virology
2. Plant Biotechnology
3. Functional Genomics

### 8. Awards and Scholarships:

- Fellow of the Society of Applied Biotechnology, India (FSAB).
- CSIR-Junior Research Fellowship (JRF) and National Eligibility Test (NET) for Lectureship, Dec-2003
- Qualified GATE (Life Science), Feb-2004 (92.25 percentile, AIR 374)
- DBT fellowship for pursuing M.Sc. (Biotechnology), 2002-04, admitted by combined entrance examination (CEE) conducted by JNU, New Delhi, India.

### 9. Experience of executing Research Project as Principal Investigator (PI) / Co-PI

- Principal Investigator in SERB-DST funded project
 

**Title:** “Molecular characterization of the viruses associated with chirke and foorkey disease of Large Cardamom in North East India.”

**Cost of Project:** 21 Lakhs

**Funding agency:** SERB-DST, New Delhi

**Manpower:** One JRF

**Date of Start:** 06.06.2013

**Duration:** Three Years

### 10. Members of Professional Societies

- Life member of Indian Virological Society, New Delhi, India

- Life member and Fellow of Society of Applied Biotechnology, India

#### **11. Orientation Course/ Refresher attended**

- Four weeks **Orientation course** at Academic Staff College, Jawaharlal Nehru University, New Delhi during 04 - 28 March 2013. Grade obtained “A”
- Three weeks **Refresher Course** at Academic Staff College, DDU Gorakhpur University, Gorakhpur during 06 - 26 September 2014. Grade obtained “A”

#### **List of Research Publications:**

1. Chaudhary K, **Pratap D** & Sharma PK (2016). Transcription activator-like effector nucleases (TALENs): An efficient tool for plant genome editing. *Engineering in Life Sciences*, DOI. 10.1002/elsc.201500126 **IF 2.48**
2. **Pratap D**, Kumar S, Snehi S. K & Raj S.K (2012). Biological and Molecular Characterization of Cucumber mosaic virus Isolate Causing Shoestring Disease of Tomato in India which has Closer Affinity to European or East Asian Isolates of CMV. *Indian J of Virology* **23(1)**, 57-63. **IF 1.33**, ISSN: 0970-2822
3. **Pratap D**, Raj S.K, Kumar S, Snehi S. K, Gautam K. K & Sharma A.K (2012). Coat protein-mediated transgenic resistance in tomato against a IB subgroup *Cucumber mosaic virus* strain. *Phytoparasitica* **40(4)**, 375-382. **IF 0.527**, ISSN: 0334-2123 (Print) 1876-7184 (Online)
4. **Pratap D**, Kashikar A & Mukherjee S. K (2011). Molecular characterization and infectivity of a Tomato leaf curl New Delhi virus variant associated with newly emerging yellow mosaic disease of eggplant in India. *Virology Journal* **8 (305)**, 1-11. **IF 2.56**, ISSN: 1743-422X
5. **Pratap D**, Kumar S, Raj S. K & Sharma A.K (2011). *Agrobacterium*-mediated transformation of eggplant (*Solanum melongena* L) using cotyledon explants and coat protein gene of *Cucumber mosaic virus*. *Indian Journal of Biotechnology* **10**, 19-24. **IF 0.385**, ISSN: 0975-0967 (Online) 0972-5849 (Print)
6. **Pratap D**, Kumar S & Raj S.K (2008). First molecular identification of a *Cucumber mosaic virus* isolate causing shoestring symptoms on tomato in India. *Australasian Plant Disease Notes* **3**, 57-58. **IF 0.2**, ISSN: 1833-928X

7. Raj S.K, Snehi S.K, Kumar S, **Pratap D** & Khan M.S (2009). Association of '*Candidatus Phytoplasma asteris*' (16SrI group) with yellows of *Achyranthes aspera* L. in India. *New Disease Reports* **18**, 12. **IF 2.729**, ISSN: 2044-0588
8. Afreen B, Khan A.A, Naqvi Q. A, Kumar, S, **Pratap D**, Snehi S.K & Raj S.K (2009). Molecular identification of a *Cucumber mosaic virus* subgroup II isolate from carrot(*Daucus carota*) based on RNA3 genome sequence analyses. *Journal of Plant Diseases and Protection* **116** (5), 193-199. **IF 0.605**, ISSN: 1861-3829
9. Khan A.A, Rafiq A, Kumar S, **Pratap D**, Verma D.K& Naqvi Q.M (2008). Molecular evidence for the association of *Cucumber mosaic virus* causing mosaic and leaf deformation of *Pisum sativum* in Western Uttar Pradesh, India. *Australasian Plant Disease Notes* **3**, 42-43. **IF 0.2**, ISSN: 1833-928X
10. Raj S.K, Kumar S, **Pratap D**, Vishnoi R, Choudhari S & Chandra S (2007). Natural occurrence of *Cucumber mosaic virus* on Lemongrass (*Cymbopogon citratus*), a new record. *Australasian Plant Disease notes* **2**, 95-96. **IF 0.2**, ISSN: 1833-928X
11. Raj S.K, Kumar S, **Pratap D**, Vishnoi R, Snehi S.K (2007). Natural occurrence of *Cucumber mosaic virus* on *Rauvolfia serpentina*, a new record. *Plant Disease* **91**, 322. **IF 2.46**, ISSN: 0191-2917

#### **Oral/ Poster Presentation in International/ National Conference/ Symposium**

1. Pratap D (2016) Participated in "Training Workshop on R-Package in Genetical Data Analysis" organized by Department of Genetics and Plant Breeding, Ch. Charan Singh University, Meerut on Jan 9-10, 2016.
2. Pratap D (2015) Molecular identification of virus responsible for tomato leaf curl disease. National seminar on "Challenges in plant sciences: Now and then" organized by Department of Botany, Ch. Charan Singh University, Meerut on Dec 8-10, 2015.

3. Pratap D (2015) Prospective of Nanotechnology in present agriculture scenario. UGC sponsored National Seminar on The role of Biology in Bringing Second Green Revolution, organized by MS College, Saharanpur, U.P, 11-12 October, 2015
4. Pratap D (2014) Participated in DBT sponsored “Workshop on capacity building in effective management of Intellectual Property Rights (IPRs) in biotechnology by Universities and research institutes in Sikkim” organised by Biotech Consortium India Limited (BCIL), New Delhi on November 04-05, 2014
5. Pratap D (2014) Molecular characterization of virus responsible for foorkey disease of large cardamom in Sikkim and Darjeeling hills. International Conference on Horticulture for Nutritional, Livelihood and Environmental Security in Hills: Opportunity and Challenges organized by Uttar Banga Krishi Vishvidyalaya (Hill Campus), Kalimpong, Darjeeling, West Bengal, India, 22-24 May 2014
6. Pratap D (2014) Participated in DBT sponsored Workshop on “Frontiers in Science and Technology” organised by Sikkim University, Gangtok, India on May 24-26, 2014
7. Pratap D (2013) Study of viruses responsible for the foorkey and chirke disease of large cardamom in north east India. National Conference on New Frontiers in Medicinal Plant Research (NCMPR-2013) organised by Sikkim University, Gangtok, India, 3 - 5 October 2013.
8. Pratap D (2013) Participated in the conference organized during International Flower Show in Sikkim during 17-27 January 2013
9. Pratap D, Kumar S and Raj S K (2007) Cloning and sequencing of complete RNA 3 genome for molecular identification of Cucumber mosaic virus causing shoestring on tomato in India. 10th International plant virus epidemiology symposium, ICRISAT, A.P, India, 15-20 October 2007
10. Pratap D, Kumar S, and Raj SK (2006). Molecular characterization of virus causing shoestring in tomato. XVI<sup>th</sup> Annual Convention of Indian Virological Society, ICRISAT, India, 7-10 Feb 2006
11. Pratap D and Raj SK (2008). Development of transgenic tomato plants for resistance against Cucumber mosaic virus. National symposium on advance in microbial diversity and disease

management for sustainable crop production. College of Forestry and Hill Agriculture, G B Pant University of Agriculture and Technology, Hill campus, Ranichauri, Tehri Garhwal, India

12. Raj SK, Singh R, Khan MS, Kumar S, **Pratap D**, Vishnoi R and Choudhari S (2005) Eco friendly approaches for management of viral disease. Third International Conference on Plants and Environmental Pollution organized by International Society of environmental Botanists and National Botanical Research Institute, Lucknow, India, 28Nov -2 Dec 2005

### **Book Chapters**

1. Raj SK, Khan MS, Kumar S, **Pratap D** & Vishnoi R (2006) Cucumber mosaic virus infecting vegetable and pulse crops, Vol:3 Vegetable and Pulse Crops, (Eds. GP Rao, P Lavakumar, RJ Holguin-Pena) Studium Press, Texas, USA, 39-66. ISBN-10-1933699345
2. Raj SK, Kumar S, Pratap D & Singh BP (2006) Viruses affecting ornamental plants. In: Characterization, Diagnosis and Management of Plant Viruses, Vol: 4 Grain, crops and Ornamentals (Eds. GP Rao, C Bragard and Benedicte SM Lebas.) Studium Press, Texas, USA, 1-29. ISBN-1-933699337
3. Chaudhary, K & **Pratap D** (2015) RNA Interference: An Efficient Tool for the Study of Plant Functional Genomics. Research in Biotechnology in India: Some Initiatives and Accomplishment (Eds. N Bagh & A Bagh) in Press



Place: Meerut

(Dharmendra Pratap)

Date: 28/01/2016