

# Resume

## Abhinay Singh

Abhinay Singh  
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Biotechnology Studies, APSU  
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**Career objective: To be Active & Diligent with a very good communication and academic skills to perform by the best of knowledge & ability.**

### Academic;

Degree/Certificate	Board/University	Year of passing	Marks
M.Sc (Biotechnology)	A.P.S. University Rewa	2007	70%
B.Sc(B.T.S.P)	Allahabad University	2005	50%
Higher Secondary	M.P.Board	2002	62.8%
High School	M.P.Board	2000	76%

### **\* CSIR-UGC NET JRF QUALIFIED**

### **Research paper published in International journals:**

Singh H, Deshmukh RK, **Singh A**, Gaikwad K, Sharma TR, Mohapatra T and Singh NK (2009) Highly variable SSR markers suitable for rice genotyping using agarose gels. Mol. Breeding. 24: DOI 10.1007/s11032-009-9328-1 (Impact Factor 2.8)

Deshmukh RK, **Singh A**, Jain N, Anand S, Gacche RN, Singh AK, Gaikwad K, Sharma TR, Mohapatra T and Singh NK (2010) Combining QTL Mapping and Transcriptome Profiling to Identify Candidate Genes for Grain Number in Rice (*Oryza sativa* L.). Functional and Integrative Genomics. (2010) DOI 10.1007/s10142-010-0167-2 (Impact Factor4).

**Singh A**, Mishra R.M, Chauhan U.K (2018) Etiology of major viral diseases in banana and plantain Int. J. of Pharm. Life Sci ISSN: 0976-7126

### Phd research title

**“Identification of putative promoter of Banana streak virus and its activity assays in transgenic plants”**

### **Research Experiences and Field of Work:**

#### **QTLs analysis and candidate gene identification**

**From February 2008 to March 2010 NRCPB New Delhi** research experience on the post of Junior Research Fellow in the project entitled “Identification of candidate genes for high grain number in rice panicle by combining QTL fine mapping and expression profiling” at IARI, Pusa, New Delhi under the guidance of Dr. NK Singh.

**From October 2010-March 2012** at Advanced Centre for Plant Virology. Division of Plant Pathology, under guidance of Dr V.K Baranwal in NPTC project.

### **Qualifications:**

#### **Professional:**

**'PhD in biotechnology'**

**'Master of Science' in Biotechnology'**

**'CSIR-UGC NET JRF'**

### **Hands on Experience with Following Techniques:**

#### **Molecular Biology;**

- RNA isolation, PCR based techniques such as RT-PCR
- Cloning techniques such as competent cell preparation, transformation, Ligation, Elution, Restriction-digestion, Sequencing and Sequence Analysis.
- Electrophoresis techniques such as Agarose, SDS-PAGE.
- Northern, southern & Western Blotting techniques.

**Biochemistry;** Biochemical test qualitative and quantitative estimation of nucleic acid and protein. Dialysis, SDS PAGE electrophoresis, Agarose gel electrophoresis, Paper, Ion exchange and Affinity chromatography

**Microbiology;** Plating, Pouring, Streaking, Inoculation, Culturing of micro-organisms, Staining, maintains of microbial culture.

#### **Hands on Softwares;**

**Population Study:** NTSYS pc, Power Marker, Structure...

**Linkage Mapping:** Mapmaker, MultiPoint, Joinmap ...

**QTL Mapping:** QTL-Cartographer, MultiPoint QTL, QTL network, Multi QTL...

**Molecular Tools:** Bioedit, DNA Star, MEGA4 ...

**Statistical Software:** SPSS, MSTAT, SPAR2, SPAD ...

#### **Computer Proficiency:**

MS-DOS, MS-Excel, MS-Word, MS-Power Point, , Internet Applications, Knowledge of various Internet Search Engines and Database like NCBI etc, programming in C.

### **Extra curricular activities:**

#### **Professional and Personal Strengths:**

Interest in innovative works, possess very good lab skills and techniques. Ability of quick understanding of subject and content matter.

#### **Personal Details:-**

Date of Birth: 04/09/1983

Fathers Name: Mr. Anand pratap Singh

Mother's name: Mrs. Nisha Singh

Sex: Male

Languages know: Hindi, English

Marital Status: Married

Hobbies: Reading Books and journals especially scientific magazines.

**Permanent Address:**

16\56, Behind Bal Bhariti School,  
Sirmour chowk, Rewa [M.P.], PIN- 486001.

**References: –****Dr N.K Singh**

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**Dr U.K Chauhan.**

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**Declaration-** I hereby declare that all the information included in the curriculum vitae is true and correct to best of my knowledge and belief.

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Date:  
Place: Rewa

(Abhinay Singh)