

## CURRICULUM -VITAE



**Name:** Dr. Vikram Singh

**Designation:** Assistant Professor

**Department:** Department of Botany

**Institution-** Sant Guru Ghasidas Govt. P.G. College Kurud, Dist. Dhamtari, (C.G), India.

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### **Academic Qualification:**

Qualification	Year	Board/University	Percentage
PhD (Bioscience)	2021	SoS in Life Science, Pt.RSU, Raipur, C.G	Awarded
M.Sc (Biotechnology)	2013	School of Biotechnology, Devi Ahilya Vishwavidyalaya, Indore	76.56
B.Sc (Biotechnology)	2011	E. Raghvendra Rao Post Graduate SGGV, Science College Bilaspur, C.G	65.00
12 <sup>th</sup>	2006	CGBSE, Raipur	76.00
10 <sup>th</sup>	2004	CGBSE, Raipur	74.00

### **Field of Research:**

- Plant Tissue Culture
- Molecular Biology
- Virology

### **Ph.D Guideship:**

- Botany

### **Research Work /Experience:**

- Presently working as Assistant professor in Botany, Sant Guru Ghasidas Govt. P.G. College Kurud, Dist. Dhamtari.
- Worked as Assistant professor in Botany, Govt. Naveen College Rajpur, Dist. Balrampur

- **Ph.D Title:** Development and standardization of *in vitro* propagation protocol for virus free Banana (*Musa* sp. AAA) cv ‘Grand Naine.’
- Worked as post of Project Fellow in CCOST funded research project of the School of studies in Biotechnology, Pt R.S.U. Raipur (C.G.) [From November 01, 2014 to October 31, 2016].
- Worked as Assistant professor in Biotechnology (Adhoc), Sarguja University UTD Ambikapur (C.G.). [From 19 September 2013, 11 July 2014]
- Worked for 6 months project (M.Sc. dissertation) on “Mitogenic activity of phytohemagglutinin purified from *Phaseolus vulgaris* in various microorganisms” in School of Biotechnology, Devi Ahilya Vishwavidyalya, Indore.

### **Achievements:**

- Qualified **CG-State Eligibility Test (SET-2019)**.
- **Received best oral presentation (2020)** in “National conference on “Recent advances & trends in biotechnology” at School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.). In collaboration with Pt. Deendayal Upadhyay Memorial Health Sciences & Ayush University of CG, Raipur.
- **Published two** partial cds. of Banana bunchy top virus isolate Raipur coat protein gene, with gene bank accession no **MK614017.1** and **MN494142.1** in NCBI database.
- Qualified **Council of Scientific and Industrial Research (CSIR-NET- 2012)**.
- Qualified All India **Combined Entrance Exam for Biotechnology (CEEB-BT-2007-2008)**.

### **List of Publications:**

- Anjum A, **Singh V**, Adil S, Quraishi A (2022) *In vitro* Propagation of *Curcuma caesia* Roxb. via Bud Culture Technique and ISSR Profiling of the Plantlets for Genetic Homogeneity. *Research Journal of Biotechnology* 17(12):48-54
- Kumbhakar S, Chauhan R, **Singh V**, Jadhav S.K. Quraishi A (2022) Screening of a new candidate tree legume- *Pithecellobium dulce* (Roxb.) Benth., for lead remediation. *Brazilian Journal of Botany* <https://doi.org/10.1007/s40415-022-00830-3>
- **Singh V**, Adil S, Quraishi A (2022) Elimination of BBTv via a systemic *in vitro* electrotherapy approach *Journal of Virological Methods* 300 (2022) 114367

- **Singh V**, Chauhan R, Quraishi A (2021) Assessment of culture medium without commercial ammonium nitrate for in vitro culture of industrially important plant species. *Plant Cell, Tissue and Organ Culture* <https://doi.org/10.1007/s11240-021-02167-3>
- Chauhan R, **Singh V**, S. Keshavkant, Quraishi A (2021) Vitrification-Based Cryopreservation of In Vitro-Grown Apical Meristems of *Chlorophytum borivilium* Sant et Fernand: A Critically Endangered Species. *Proceedings of the National Academy of Sciences, India, Section B: Biological Sciences* 91(2):471–476
- **Singh V**, Chauhan R, Quraishi A (2019) Sensitive and closed tube plant DNA virus detection via PCR. *Research Journal of Biotechnology (UGC-CARE journal, Indexed in Scopus & Web of Science)* 15:111-116
- **Singh V**, Koche V, Quraishi A (2019) *In vitro* antiviral chemical treatment to BBTV-infected banana cultures for production of virus-free plants. *Research & Reviews: A Journal of Life Sciences* 9:11-16 (**UGC journal no 62799**)
- **Singh V**, Koche V, Quraishi A (2018) Virus elimination strategies for *Musa* spp. *Research & Reviews: A journal of Microbiology and Virology* 8:7-14 (**UGC journal no 48607**)
- Kaur I, Khandwekar S, Chauhan R, **Singh V**, Jadhav SK, Tiwari KL, Quraishi A (2018) Exploring the Efficiency of Native Tree Species Grown at Mine Tailings for Phytoextraction of Lead and Iron. *Proceedings of the National Academy of Sciences, India, Section B: Biological Sciences* 89:951-956 (**UGC-CARE journal**).

### **Book Chapter:**

- Chauhan R, **Singh V**, Quraishi A (2019) *In vitro* conservation through slow-growth storage. In: Mohammad Faisal, Abdulrahman A Alatar (Eds) *Synthetic Seeds*, **Springer** (ISBN 978-3-030-24630-3)

### **Conference/Seminar/Workshop:**

- **Singh Vikram** (2020) A rapid, sensitive and closed-tube detection of banana bunchy top virus through PCR. “National conference on “Recent advances & trends in biotechnology” at School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.). In collaboration with Pt. Deendayal Upadhyay Memorial Health Sciences & Ayush University of CG, Raipur.
- **Singh Vikram** (2018) A rapid assay of BBTV by closed tube detection system in *Musa* spp. National Conference on “Plant and Microbial Products: Progress, potentials and IPR issues” at Department of Botany, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) February 07-09, 2018.

- **Singh Vikram** (2018) Development of rapid indexing method for BBTV in *Musa* spp. National Seminar on New horizons in life sciences- prospects and challenges” at School of studies in Botany, Gwalior (M.P.) March 21-22, 2018.
- **Singh Vikram** (2018) A simple and rapid method for the detection of BBTV in *Musa* spp. National Conference on Research Interventions in Biotechnology and their applications in sustainable resources utilization” at Rungta College of science and Technology, Durg (C.G.) September 07, 2018.
- Award for certificate of merit in **National Conference on “Plant and Microbial Products: Progress, potentials and IPR issues”** organized by Department of Botany, Guru Ghasidas Vishwavidyalaya (C.G.) February 07-09, 2018.
- Paper presented in **National Seminar on “Innovations &Prospects in Biotechnology”**, organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) January 02-04, 2016.
- Presented Poster in National seminar on **Industrial Facet of Biotechnology** organised by school of biotechnology DAVV, Indore, (MP) from 24 to 25 January 2012.
- Workshop on “Molecular Biology (HiPer<sup>®</sup> Teaching Kits)” organized by HiMedia Laboratories Pvt. Ltd. on October 13-14, 2014.
- One day Workshop on “Opportunities and Entrepreneurship in Biotechnology” organized by School of Studies in Biotechnology Pt. Ravishankar Shukla University Raipur, C.G.

### **Other Achievements:**

- Botanical society of India, Lucknow, India, Annual membership

### **FDP/Induction/Refresher:**

- Faculty Induction Programme conducted at by UGC-HRDC, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) **(03.07.2023 to 31.07.2023)**.
- NEP 2020 Orientation & Sensitization Programme conducted under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Pt. Ravishankar Shukla University, Raipur, (C.G.) from **(16.01.2024 to 24.01.2024)**.