

## **BIODATA**

Name : **Dr. Vijay Kumar Singh**  
Father's name : Shri Lalamani Singh  
Designation : Assistant Professor  
Institution's address : Department of Botany  
D. A-V. (PG) College  
Kanpur

### **Academic Qualifications:**

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High School (1995) with science subjects and passed with 59% marks

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Higher secondary (1997) with science subjects and passed with 67.40% marks

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B.Sc. (BZC) (2000) Passed with 63.83% marks

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M.Sc. (Botany) (2002) Passed with 63.71% marks

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CSIR-NET (LS) (2003) Life Sciences

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GATE (2003) Life Sciences

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Ph.D. (2009) Morphocytogenetical and molecular studies in selected charophyte taxa

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### **Area of specialization**

- Cytogenetics and Molecular biology

## Participation in programmes (Refresher/Orientation/Workshops etc.):

Details of course	Institution & Place	Period of courses attended	Total duration of course in weeks & days
Orientation/ Induction	Ramanujan College, University of Delhi, Delhi	01.09.2020- 30.09.2020	30 days
Refresher course	Ramanujan College, University of Delhi, Delhi	22.05.2022- 05.06.2022	2 weeks

## Publications

### National Publications/ Seminars/ Conferences/ Workshops:

1. Participated in a national seminar on “The present status of medicinal plants: Aspect and prospects” and presented an article on “Medicinal plants: a re-emerging health aid and their authentication by DNA fingerprinting” held on 31<sup>st</sup> January & February 1<sup>st</sup> – 2009 M.G.K.V.P. Varanasi.
2. Participated in national symposium on the topic “Current challenges in Plant Science: Gene to ecosystem” and presented a paper entitled “Genomic study of Algae” held on March 24-25, 2009 in the Department of Botany, Banaras Hindu University, Varanasi.
3. **Singh, V.K.** and Chaudhary, B.R. 2010. The first cytotaxonomic report in two forms of *Chara vulgaris* complex (Div. Charophyta), *Res. Environ. Life Sci.* 3(3) 113-114.

### International Publications/ Seminars/ Conferences/ Workshops:

1. Participated in an International Conference on Applied Phycology entitled ‘Algae in Biotechnology and Environment’ and presented paper

- “Cytomorphological Diversity in charophyte Taxa from Eastern Uttar Pradesh” held on 14-15 February-2006 Delhi University, New Delhi.
2. Published abstract entitled “18S rDNA sequencing in Indian charophyta: a new dimension” in an International symposium on phycological research held at the department of Botany, Banaras Hindu University, Varanasi-India dated February 25-27, 2010.
  3. **Singh, V.K.** and Chaudhary, B.R. 2010. A new chromosome count for *Chara corallina* (Klein ex Willd. em.) R.D.W. *Vegetos* Vol. 23 (1): 23 – 26.
  4. Rani, H., **Singh, V.K.**, Asif, S. and Ansari, M.I. 2018. Silver nanoparticle synthesis and characterization from leaf extract of *Psoralea corylifolia* (Babchi). *orient.j.chem.* Vol. 34, No.(5): 2673-2676.
  5. **Singh, V.K.**, Trivedi, S., Shukla, K. and Singh, M. 2022. Phytochemical assessment from callus and shoot cultures of a potential medicinal herb: *Phyllanthus Amarus* (Schum. & Thonn) *Plant Archive*. Vol. 22, No. (1): 109-114.
  6. **Singh, V.K.**, Pandey, S., Tripathi, P. and Singh, M. 2022. Medicinal Orchids: An insight on *in vitro* culture and therapeutic phytochemicals. In: Tiwari, A. and Mishra, P. [eds.] *Advances in Plant Science*. LAP Lambert Academic Publishing, Republic of Moldova, Europe. ISBN: 978-620-5-49854-5. pp. 1-32.