

Curriculum Vitae



Personal Information

Name	Dr. Vivek Chand Chandel
Designation	Assistant Professor of Botany
Permanent Address	Ward No. 7 Dabrog, Post office & Tehsil Sarkaghat, District Mandi, Himachal Pradesh, PIN-175024, INDIA.
Phone	+91-9418298001, +91-7018002601
E-mail	vivekchandel20@gmail.com
Nationality	Indian
Host lab Address	Mycology and Plant Pathology Lab, Department of Botany, Panjab University Chandigarh, India. 160014
Present Address	Assistant Professor, Department of Botany, Government College Bhoranj, District Hamirpur, Himachal Pradesh.

Education

Degree	Doctor of Philosophy.
PhD in Botany	Thesis title "Physiological studies on some luminescent Fungi"
University	Panjab University Chandigarh, India
Duration	June 2006 – Dec. 2013
PhD Thesis	The study gives an account of the optimum physical (temperature, H-ion concentration and incubation period) and physiological requirement
Research	(carbon, nitrogen and trace elements) for the growth and luminescence of three species (<i>Armillaria mellea</i> , <i>Ompholotus olearius</i> and <i>Panellus stipticus</i>).
Experience/Skills	The main emphasis of my research work was focused on molecular biology, biotechnology and biochemistry of these bioluminescent fungi.

Degree	Master of Philosophy in Botany
University	Panjab University Chandigarh, India
Duration	October 2003-November 2004
M.Phil. Thesis	Thesis title "Development of Anther and Male Gametophyte of two
Research	Epidendroid Orchids i.e. <i>Smitinandia micrantha</i> and <i>Cymbidium aloifolium</i> ".
Experience/Skills	

Degree Duration Department and University Subjects	Master of Science in Botany July 2001- June 2003 Department of Botany, Dr. BRA University, Agra, India Algae, Bryophytes, Fungi, Bacteria, Virus, Lichen, Pteridophytes, Gymnosperms, Angiosperms, Cytology, Genetics Molecular Biology, Plant Physiology, Biochemistry, Plant Ecology, Environmental biology, Economic botany, Plant Pathology and Statistics.
Degree Duration University Subjects	Bachelor of Science in Medical July 1998 – June 2001 Himachal Pradesh University, Shimla, India. Botany, Zoology, Chemistry, English and Hindi.
Research Publications	<ol style="list-style-type: none"> 1. R.K. Bhanwara, S.P. Vij, Vivek Chandel, Ravi Kant and Sunil Dutt, 2006. Development of pollinium in two epidendriod orchids. Current Science. 90:1384-1387. ISSN No.0011-3891. 2. R.K. Bhanwara, S.P. Vij, Ravi Kant, Vivek Chandel and Sunil Dutt, 2006. Pollinium development in <i>Epipactis veratifolia</i> Bioss and Hohen. Journal of orchid society of India. 20(1-2):1-6. ISSN : 0971-5371 3. I.B. Prasher, V.C. Chandel and A.S. Ahluwalia, 2012. Influence of culture conditions on mycelia growth and luminescence of <i>Panellus stipticus</i> (Bull.)P. Karst. Journal of research biology 3: 152-159. ISSN: Print: 2231 –6280; Online: 2231- 6299 4. I.B. Prasher, V.C. Chandel and Radha Chauhan, 2014. Effect of carbon and nitrogen sources on growth and luminescence of <i>Panellus stipticus</i> (Bull.)P. Karst. Journal of advanced botany and zoology. V1/4: 1-4.DOI:10.15297/JABZ.V114.08. ISSN: 2348 – 7313 5. I.B. Prasher, M. Sharma, V.C. Chandel and Hem Chander 2017. Effect of physical factors, carbon and nitrogen sources on the growth and sclerotial production in <i>Morchella hybrida</i>. J. Biol. Chem. Chron. 3(1):20-27. ISSN (Print): 2454 – 7468, ISSN (Online): 2454 – 7476 6. Hem Chander and V.C. Chandel 2019. An enumeration of lichens from Bara Bhangal region of Dhauladhar wildlife sanctuary. Asian J. Adv. Basic Sci. 7(1):45-50. ISSN (Print): 2454 – 7492 ISSN (Online): 2347 – 4114 7. R. Jindal, D. Singh and V.C. Chandel 2020. Checklist of macroinvertebrates of Binwa a western himalayan hill stream and their role as bioindicator. Plant Archives Vol. 20(1):2674-2677 e-ISSN:2581-6063 (Online), ISSN(Print):0972-5210 8. Pawitar Dulari, Ajay Bhushan, Brijender Bhushan and Vivek C. Chandel 2020. Internet of Things (IoT) to Study the Wild Life: A Review. J. Biol. Chem. Chron. 6(2):11-15 ISSN (Print): 2454 – 7468 ISSN (Online): 2454–7476 9. Pawitar Dulari, Brijender Bhushan, Vivek C. Chandel and Ajay Bhushan 2020. Protecting the Environment through Sustainable Development Goals (SDG). World Journal of Environmental Biosciences. 9(4):21-28 ISSN: 2277–8047 10. Devender Singh, Vivek C Chandel and Ravi Dutt. Ethics in teaching– A subtle step in right direction. International Journal of Educational Research and Studies, Volume 4, Issue 2, 2022, Pages 33-35

Books	<ol style="list-style-type: none"> 1. Vivek C. Chandel, (2019). <i>Mushroom Cultivation Technology</i>. Trueman Book Company, Jalandhar, India. ISBN 81-87223-73-1 2. Vivek C. Chandel, and Vikas K. Guleria (2020). <i>Medicinal Botany and Ethnobotany</i>. Trueman Book Company, Jalandhar, India. ISBN 81-87223-10-3 3. Neelam Dhand, Aruna Saini, Renu Rana and Vivek Chandel (2022). <i>Biodiversity</i>. Trueman Book Company, Jalandhar, India. ISBN 81-87223-33-2 4. L. K. Attri and V.C. Chandel (2022). <i>Fundamental of Plant Biochemistry</i>. New Delhi Publishers, New Delhi. ISBN 978-93-93878-13-7
Conference/ Workshop symposium/ Webinar attended	<ol style="list-style-type: none"> 1. 91st session of Indian Science Congress Association held at P.U., Chandigarh in January, 2004. 2. A National Seminar of 'The Orchids Society of India' at Chandigarh during 2006. 3. National workshop on "Plant Taxonomy", Department of Botany, Chandigarh on 9-10, 2006 4. 1st Chandigarh Science Congress 10 - 11 March 2007, organized by Panjab University Chandigarh, India. 5. National Symposium on "New Trends in Plant Sciences" 22 March, 2007, Panjab University Chandigarh 6. National Symposium on "Recent Advances in Phycology: From Molecule to Ecosystem" November 14 - 16, 2007. 7. 11th Punjab Science Congress, February 7-9, 2008, Organised by Thapar University Patiala. 8. Chascon- 2008. 2nd Chandigarh Science Congress 14 - 15 March 2008, organized by Panjab University Chandigarh. India. 9. National Symposium on "New Biology in Agriculture" November 7-8, 2008 held at Panjab University Chandigarh, India. 10. International conference on "Conserving Nature in a Globalizing India" from February 17-19, 2009 organized by the BNHS at Indian Institute of Science, Bangalore. 11. Workshop on "Developing SOPs for Syrups and Tablets", Herbal health research consortium Pvt. Ltd. Amritsar, August 9, 2009 12. Webinar on "Molecular Taxonomy and DNA Barcoding: Concepts, Methods and Applications", 20th May 2020. Organized by RD & SH National college and SWA Science College, Bandra(W) Mumbai, India 13. International webinar on "Life style management: A Holistic Approach". 21st June 2020. Organized by CM Dubey PG College, Bilaspur(CG) India. 14. Web Series-cum-training programme on "Land Rehabilitation: Using Common Sense & Science" June 27th 2020. Organized by Dept of Botany, Kurukshetra University, Kurukshetra, Haryana 15. Webinar on "Leveraging AI & DS for better future", June 16, 2020. Organized by Jansons Institute of Technology, Coimbatore, India 16. Webinar on "Ecosystem Restoration", 5th June 2021. Organized by Career Point University Hamirpur (HP), India

**Paper presentation
in Seminars/
Conferences/
Workshop**

1. National Conference on "Plant & Microbial biodiversity, present scenario, threats and conservation strategies" presented a paper entitled "Effect of carbon and nitrogen sources on luminescence of *Panellus stipticus*" March 1-2, 2012 organised by Department of Botany, PU, Chandigarh
2. 1st Himachal Science Congress on "Role of Science & Technology in sustainable development" presented a paper entitled "Effect of carbon sources on growth and luminescence of *Panellus stipticus*." October 15-16, 2014, organized by HPSCSTE Shimla H.P.
3. National Conference on "Current Trends in Plant Sciences with Special Reference to Phycology and Mycology". Presented a paper entitled "Bioassay for the determination/detection of Hg by naturally bioluminescent fungus *Panellus stipticus* (Bull.) P.Karst." October 28-29, 2014, Organized by Department of Botany, PU, Chandigarh
4. National Seminar on "Renewable Energy Sources" presented a paper entitled "Inventorizing pharmaceutical industries involved in utilization of bioresources in Punjab" 29th October, 2014 organized at Universal institute of Engineering & Technology, Lalru, Punjab.
5. State level seminar on "Environmental issues in India-Challenges ahead" presented a paper entitled "Development of methodology for economic valuation of bioresources" May 7, 2015 organized by Department of Botany & Zoology, GC Bhorang, Dist. Hamirpur H.P.
6. College Level Workshop on Higher Education "Formulation of New education policy" presented a paper entitled "Promoting research and innovation" November 2, 2015 organized by PSR Govt. College Baijnath, Dist. Kangra (HP)
7. International Conference on "Birthing The New Humanity: Challenges and Prospects" presented a paper entitled "Chemical composition and medicinal value of *Carum carvi*" November 3-5, 2017. Organized by PSR Govt. College Baijnath, Dost. Kangra, H.P.
8. National Workshop on "Yoga and meditation in Indian society: Myths and realities" presented a paper entitled "Yoga & meditation as scientific tool" April 8, 2019 organized by SCVB Govt. College Palampur (HP)
9. National Conference on "Analytical Techniques & Opportunities in Life Sciences". presented a paper entitled "Entrepreneurship development through mushroom farming" February 1&2, 2020, Organized by Department of Microbiology, HPT Arts & RYK Science College Nashik, Maharashtra, India
10. International seminar-cum-webinar on "Relevance of sociology in post Covid-19 world" presented a paper entitled "Biodiversity loss and destruction by human actions favours to emerge diseases like Covid-19" 25-26 September 2020 organized by Govt College Palampur, Dist Kangra in collaboration with SSHP.
11. Seminar on "National Education Policy 2020: Challenges in Implementation" presented a paper entitled "Ensuring quality education in universities and colleges" 9th march 2021 organized by Govt College Palampur, Dist Kangra, HP
12. National Seminar on "Biodiversity and sustainable development" presented a paper entitled "Habitat preference of *Lophura*

	leucomelanas (Klij) in Shivalik hills of outer Himalaya” 28-29 th August 2021 organised by Government college Paonta Sahib, Sirmour (HP)
Chaired/Co-chaired session in Seminars/ Conferences	<ol style="list-style-type: none"> 1. State level seminar on “Environmental issues in India-Challenges ahead” Chaired a technical session on May 7, 2015 organized by Department of Botany & Zoology, GC Bhorang, Dist. Hamirpur H.P. 2. Seminar on “National Education Policy 2020: Challenges in Implementation” chaired a technical session on “Promotion of Indian languages, arts and use of technology” 9th march 2021 organized by Govt College Palampur, Dist Kangra, HP
Workshop/Program Coordinated	<ol style="list-style-type: none"> 1. Basic techniques in Molecular Biology, July 2-3, 2018, BECon 2k18-19, IIT Delhi Event held at PSR Govt. College Baijnath, Dist. Kangra, H.P.
Training Programme Attended	<ol style="list-style-type: none"> 1. Training Programme on “Behavioural adaptation with climate change in Himalayan region” June, 19-23, 2017 held at HIPA Shimla, H.P. organized by IIFM Bhopal. 2. Training Programme on “MS-Excel” August, 26-27, 2016, organized by HIPA regional training centre Dharmshala. 3. Induction Training Programme from April 30 to May 12, 2012, organized by Government College of Teacher Education, Dharmshala under the aegis of Department of Higher Education, H.P.
Refresher courses Attended	<ol style="list-style-type: none"> 1 Science Academies sponsored refresher course on “Plant Taxonomy and Ethnobotany” from October 8-21, 2018, organized by Department of Botany, MD University, Rohtak, Haryana, India. 2 UGC sponsored refresher course on “Environment Awareness (Inter/multidisciplinary)” from 17th August to 29th August 2020, organized by HRDC Himachal Pradesh University Shimla. 3 Two week Interdisciplinary Refresher Course on “Research Methodology and Data Analysis” from 16th September to 30th September 2022 organized by Teaching learning centre, Ramanujan College University of Delhi.
Orientation courses Attended	<ol style="list-style-type: none"> 1 UGC Sponsered 93rd Orientation Programme from February 2 to March 20, 2012 organized by the UGC Academic Staff College, Panjab University, Chandigarh.
Faculty Development Program	<ol style="list-style-type: none"> 1. FDP on “Quality teaching, research and internationalization of higher education: Emerging challenges and opportunities” from 06th October to 08th October 2020, organized by Career Point University, Hamirpur, HP. 2. FDP on “Skills, Knowledge and Opportunities for Teachers in the present Scenario” from 11th to 16th August, 2021, organized by Career Point University, Hamirpur, HP.
Invited lectures / Resource Person	<ol style="list-style-type: none"> 1. Delivered two lectures as resource person on topics “Mycology: An Introduction-I” and “Mycology: An Introduction-II” on dated 13th

	<p>December 2019, organized by GCTE Dharmshala, sponsored by Dept of Hr Education, Govt. of Himachal Pradesh.</p> <ol style="list-style-type: none"> As Expert speaker for the national webinar on “Entrepreneurship Opportunities in Mushroom Farming” on dated 26th June 2020, organized by CISEE, Career Point University, Hamirpur, Himachal Pradesh. Invited talk on topic “Impact of Covid-19 on Biodiversity” in a webinar series on “Environmental Science” on dated 20th November 2020 organized by Baba Gulam Shah Badshah University, Rajouri, Jammu Kashmir. As Expert speaker for the International virtual faculty development program on “Research and Writing” on dated 26-30 June 2022, organized by Andhra Loyala Institute of Engineering and technology, Vijayawada, Andhra Pradesh, India & Cape Comorin Trust, India.
Thesis evaluated & holds Viva Voce examination	<ol style="list-style-type: none"> Ph.D thesis entitled as “Macrofungal Diversity of Hamirpur Region, Himachal Pradesh” submitted by Ms Jyoti Pathania at Career Point University Hamirpur, 2019. M.Phil Dissertation evaluation and Viva-voce examination of Ms Savita Kumari, Career Point University Hamirpur, 2019.
Co-Supervisor to Ph.D students	<ol style="list-style-type: none"> Appointed as Co-Supervisor to guide Ph.D research of Mr. Rajeev Bhoria in the department of Botany, Career Point University, Hamirpur, 2019.
Teaching Experience	<p>12 Years</p> <ol style="list-style-type: none"> Government College Bhoranj 06-05-2021 to continue Government College Palampur 04-07- 2018 to 06-05-2021 Government College Baijnath 12-03-2015 to 03-07-2018 Government College Bhoranj 09-06-2010 to 11-03-2015 DAV College Banikhet, Dalhousie, H.P. Session 2005-06
Departmental Examination	<p>Board of Departmental Examinations, HIPA, Govt of Himachal Pradesh 2019. Financial Administration, Roll No. 41911199 1st Division</p>
Research Experience	
Project Fellow	<p>DST sponsored project entitled “<i>To evaluate the potential of some luminescent fungi and algae for the estimation of trace/heavy metals through the use of markers and sensors</i>” from 1st April, 2006 to 31st March 2008, Mycology and Plant Pathology Lab, Department of Botany, Panjab University Chandigarh.</p>
Project Associate	<p>Project entitled “<i>Survey of commercially important Flora and Fauna in Punjab</i>”. 26th November, 2008 to 31st March, 2009, Punjab Biodiversity Board, PSCSTE, Chandigarh.</p>
Project Associate	

Project entitled "*Inventorising industries involved in the utilization of bioresources in Punjab*". 1st April 2009 to 31st May, 2010, Punjab Biodiversity Board, PSCSTE, Chandigarh.

Referee's

1. Dr. I. B. Prasher (Ph.D Supervisor)
Professor (Mycology)
Department of Botany
Panjab University Chandigarh, India
Email: chromista@yahoo.co.in
2. Dr. A. S. Ahluwalia (Ph.D Co-Supervisor)
Professor (Algology)
Department of Botany
Panjab University Chandigarh, India

I, hereby declare that all the details furnished above are true to the best my knowledge and belief.

Place: Sarkaghat

Date:

Signature