

## Curriculum-vitae



***Dr. Vishal Sharma***

Associate Professor

**Qualifications:** M.Sc., Ph.D.

**Area of specialization:** Plant Tissue Culture

**Working experience:** 25 Years

### Publications

1. Vishal Sharma.2022.Carbon credits from Windrow composting of Municipal solid waste to combat climate change: a case study in Chandigarh. Pollution Research 41(3):189-195. Cite Scopus H-index 23; Scimago Journal Rank (SJR): 016; NAAS Rating: 5.10
2. Vishal Sharma.2022.A Micro- positive pressure aeration for windrow composting of municipal solid waste in Chandigarh: An opportunity in a carbon conscious world for combating climate change. Pollution Research 41(3):388-393.Cite Scopus H-index 23; Scimago Journal Rank (SJR): 016; NAAS Rating: 5.10
3. Vishal Sharma.2021.Windrow Composting as Municipal Solid Waste Stabilization case study in Chandigarh. Pollution Research, 40(3):168-174. Scopus Journal; Cite Scopus H-index 23; Scimago Journal Rank(SJR):016;NAAS Rating:5.10
4. Vishal Sharma.2021.Analytical Approach to optimizing the design of windrow composting plant. Pollution Research, 40(3):359-364.ScopusJournal; Cite Scopus H-index 23; SCImago Journal Rank (SJR):016; NAAS Rating: 5.10

5. Vishal Sharma.2021.Micropropagation of therapeutically important Swarna Jibanti (*Coelogyne cristata*Lindl) through pseudobulb segments-a study in vitro. Ecology, Environment and Conservation, 27(Feb):230-235.ScopusJournal: Cite score 0.90; Scopus H-index 11; SNIP Impact factor:0.677, NAAS Rating:4.89.
6. Vishal Sharma.2020. Exogeneous application of *Moringa oleifera* leaf extract and Salicylic acid on modulation of Salinity stress effects in Pea (*Pisum sativum*) plants. Ecology, Environment and Conservation,26(3):234-240. ISSN: 0971765X; ScopusJournal: Cite score0.90; Scopus H-index 11; SNIP Impact factor: 0.677, NAAS Rating: 4.89.
7. Vishal Sharma.2020.Effect of  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$  on regenerative capacity of mature foliar explants of *Papilionanthe teres*. Research Journal of Biotechnology (RJB); 15(2):111-116. Scopus Journal: SJR: 0.14;H-index:13;Citescore;0.22;NAAS Rating:6
8. Vishal Sharma.2019.Regenerative Competence in root explants of *Rhynchostylis gigantea*, an endangered genera: in vitro study. International Journal of Conservation Science,10(1):133-138.Scopus Journal: SJR:0.12;ISSN: 0971765X.
9. Vishal Sharma.2019. In vitro conversion of root meristem into protocorm like bodies in *Rhynchostylis retusa*-an Endangered fox tail orchid.Eco.Env &Cons.,25(4):328-332.ScopusJournal:Cite score0.90 ;Cite Rank ; Scopus H-index 11;SNIP Impact factor:0.677, NAAS Rating:4.89
- 10.Vishal Sharma.2018. Regenerative competence of thin layers (epidermal peel) for in vitro propagation of *Cattleya* 'Almakee'. Asian Journal of Microbiology, Biotechnology and Environmental Sciences (Oct Suppl.): 65-69.Scopus Journal; NAAS Rating:4.93; ISSN: 0972-3005;H-INDEX:13;SJR:0.11
- 11.Vishal Sharma.2018.Effect of Copper sulphate ( $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ ) and pre-cold treatment on labellum explants in Endangered Orchid taxa.Nature Environment and Pollution Technology,17(4):1425-1430.Scopus Journal:Scopus SJR Index (2017) = 0.193;H Index=7; NAAS (India;2019) = 3.85 Copernicus Index(2016) = 109.45;ISI Journal Impact Factor) =2.236 (2018).

12. Vishal Sharma *et al.* 2018. Extending a post harvest life and keeping quality of Gerbera (*Gerbera jamesonii*) using Silver nitrate, Salicylic acid and Sucrose. *Journal of Biol. Chem, Research*, 35(2):730-736
13. Vishal Sharma 2018. The phytodiversity and comparative account of Biological spectrum of Dehradun and Mussorie. *Research Journal of Life sciences, Bioinformatics, Pharmaceutical and Chemical sciences (RJLBPSC)*, 4(5): 251-259; ISSN; 2454-6348
14. Vishal Sharma and Nandini Paul Sharma. 2018. The floristic composition and Biological Spectrum of Chandigarh and Mussorie region. *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, 6(III):3338-3342; IC Value: 45.98; SJIF: 6.887; UGC approved: ISSN No: 2321-9653
15. Vishal Sharma, Garima Kamra, Rakhi Thakur, Ramandeep Kaur. 2018. Extending Post Harvest life and keeping quality of Gerbera (*Gerbera jamesonii*) using HQS and Calcium chloride with Sucrose. *International Journal of Innovative Pharmaceutical Sciences and Research*, 6(04):1-9: ICvalue:95.53; GIF:2.6095; UGC approved; ISSN:2347-2154

### **Awards of Excellence**

<b>Sr.No.</b>	<b>Title of the innovation</b>	<b>Awarding agency</b>	<b>Date of award</b>
1.	Environment Sustainability	United Nation (UN-SDG Action Award	2020-2021
2.	Solid Waste Management 66 Skoch Order of Merit- Semi- Finalist	SKOCH GROUP MG Road, Gurugram, Haryana 122001	2019-2020
3.	Windrow Composting-Solid waste Management	26 <sup>th</sup> International Congress of IFHE-International Award 2020 organised by IFHE (International Federation of Health Care	2020-2021

		Engineering) .Italy	
4.	Green Champion Award – Swachhta Action Plan- Exemplary Performance Award-2020-2021	Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, Ministry of Education, Government of India	2020-2021
5.	Research Under Literal Access(RULA Award)	RULA43650 Bandar Malaysia	2019-2020
6.	Best Maintained Campus(H <sub>3</sub> Category)	47 <sup>th</sup> Rose festival Municipal Corporation(MC), Chandigarh	2018-2019
7.	Best Maintained Campus(H <sub>3</sub> Category)	48 <sup>th</sup> Rose festival Municipal Corporation(MC), Chandigarh	2019-2020
8.	Best Maintained Campus(H <sub>3</sub> Category)	50 <sup>th</sup> Municipal Corporation(MC), Chandigarh	2021-2022
9.	Holcim award for Outstanding achievement in the field of Solid Waste Management is pioneer in Asia-Pacific region, passed all criteria in last 2507(2020-2021).	Holcim Foundation The Holcim Awards is an international competition that recognises innovative projects and future-oriented concepts in sustainable	2020-2021
11.	“Innovation in Recycling process and Technology” (Solid Waste Management)	Business World prestigious award “Recycling for Greener Tomorrow Conclave Awards	2021-2022
12.	United Nations Environment Program (UNEP) and UK The Green Gown International Awards-2022 Category: “Creating Impact”	The Green Gown International Awards in partnership with Association of Common with Universities (ACU), AUF, International	2022-2023

		Association of Universities (IAU) and UNEP	
13.	<p>UNEP GREEN INDIA AWARDS 2022</p> <p>For innovation in the field of Solid Waste Management to mitigate carbon footprints in World Environment Expo(WEE-2022) at Pragati Maidan(04-06 June,2022), New Delhi</p>	<p>UNEP(United Nation Environment Programme and Ministry of Environment Forest &amp;Climate Change, Government of India</p>	
14.	<p>NESA “Green Technology Innovation Award-2022 for Outstanding achievement in the field of Solid Waste Management</p>	<p>The National Environmental Science Academy, New Delhi(NESA) has conferred ‘Green Technology Innovative Awards-2022 in International Conference on Agriculture Science and at ICAR- IGFRI, Jhansi, Uttar Pradesh, for his contribution in the field of mitigation of Carbon footprints</p>	2022-2023
15.	<p>Appreciation Certificate – Swachhta Action Plan- Exemplary Performance Award for Mega Plantation Drive and Environment Sustainability Activities on Environment Day(June5) for its contribution to contribution to the field of Swachhta aspects and practice</p>	<p>Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, Ministry of Education, Government of India</p>	2022-2023
16.	<p>Appreciation Certificate – Swachhta Action Plan- Exemplary Performance Award for Mega Plantation Drive and Environment Sustainability Activities on Environment Day(June5) for its contribution to contribution to the field of Swachhta aspects and practice On Environment Day(june5,2022)</p>	<p>Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, Ministry of Education, Government of India</p>	

### **Other recognitions**

- Member Board of studies for the Post Graduate course in Botany (2017-2019)
- Appointed as External Expert Member of IQAC committee of the Government College for Panchkula, Sector-1, Panchkula (Haryana) on 14th March, 2016 till date.
- Appointed as Subject Expert and DHE Nominee (2018-2019) for the selection of Assistant Professor in Botany at MCM DAV College, Sector – 10, Chandigarh in the interview held at Chitra Gupta Road, Delhi.
- Life member of 'The Orchid Society of India' (TOSI), Panjab University Chandigarh
- Life member of 'Phytomorphology – An International Society of India', Delhi University, Delhi