**Breif Curriculum vitae**

Name: Dr. Varun Dhiman

Designation: Assistant Professor, Environmental Science

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# Introduction

I have a good convincing power and would love to interact with people. I am very hard working and result oriented person.

# Objectives

I want to become a successful person in my life. I want to fulfil my dream of serving the organization with my hard work, dedication and utmost honesty. I would also like to share my knowledge, skill and experience with the management in whatever task I do.

# Research Interest

Ecology and Environment, Waste Management, Toxicology and Detoxification, Bio indicators.

# Educational Qualifications:

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| --- | --- | --- | --- |
| **Sr.**  **No.** | **Qualification** | **Board/University** |  |
| 1. | Matriculation | HPBOSE Dharamshala |  |
| 2. | Senior Secondary | HPBOSE Dharamshala |  |
| 3. | Graduation (B.Sc. Medical) | HP University Shimla |  |
| 4. | B.Ed. | HP University Shimla |  |
| 5. | M.Sc. (Environmental Sciences) | Central University of Himachal Pradesh |  |
| 6. | PhD (Environmental Sciences) | Central University of Himachal Pradesh |  |

**Professional Qualifications:**

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| 1. | Six Months Certificate in Information technology from NIIT Dharamshala |
| 2 | One Month Summer Training in Shivalik Solid Waste Management Ltd. |

# Work Experience

* I bring along a total of more than 6 years extensive research experience as a Research Degree Scholar with Central University of Himachal Pradesh and in my last assignment I have been associated with teaching subjects such as toxicology, waste management, natural resource and biodiversity conservation to the master’s students of environmental sciences.
* Worked as Lecturer (Environmental Sciences) in College of Horticulture and Forestry, Neri, Hamirpur.
* Assistant Professor, Department of Environmental Sciences, Government P G College Una, (H.P.), India (April,2023 – till date).

# Selected Skills and Abilities

* Highly Skilled in Computers.
* Have practical knowledge of FTIR, Handheld XRF, Flame photometer, Turbidity and Nephalometer meter etc.
* Work with online bioinformatics tools like I-TASER, Phyre, Rampage, Multalin etc.

# Qualified Examinations

* UGC NET Qualified (2 Times)
* HP TET Qualified (2 Times)
* CTET Qualified (2 Times)
* CSB (PRT) Qualified for Army Public Schools

# Additional Certificates

* Certificate in all India I.T Quiz 2007 organized by AISECT.
* Certificate of Excellence by SBI under SBI TALENT AWARD SCHEME.
* 5 days training certificate on ERDAS & GEO MEDIA-REMOTE SENSING & GIS SOFTWARE conducted by SCIENCE, Dehradun in collaboration with Intergraph at department of Environmental Science, School of Earth & Environmental Sciences, Central University of Himachal Pradesh in 2014.
* Certificate of participation in science quiz at state level.
* Merit certificates of 10th & 12th.
* Certificate of participation in Quiz on theme every day science (1st place) organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh.
* Certificate of Merit for 1st position in the quiz contest organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh during science week celebration.
* Certificate for 2nd position in the quiz contest organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh during Earth day celebration in 2013.
* Certificate of participation in Slogan Writing competition in Earth day-2013 organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh.
* Certificate for 1st position in the quiz contest organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh during Earth day celebration in 2014.
* 4 weeks Summer training certificate with Shivalik Solid Waste Management Limited.
* Certificate for 1st position in the poster making competition organized by School of Earth & Environmental Sciences during Earth day celebration in 2015.
* Certificate of participation in “GREEN AWARENESS CAMPAIGN” organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh.

# Workshops, Seminars & Conferences Attended

* Participated in national conference on IMPLICATIONS OF CLIMATE CHANGE ON HIMALAYAN ENVIRONMENT ICHE-14 organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh in 2014.
* Poster presentation in National Workshop on “RECENT TRENDS IN ENVIRONMENTAL SCIENCE AND CARBON MANAGEMENT (RTCM-15)” organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh in 2015.
* Participated in National Workshop “Popularisation of Remote Sensing Based Maps & Geospatial Information” jointly organized by ISRS & ISRO in 2018.
* Participated as an Organizer of National Workshop on “Environmental Risk Assessment (ERA) and Food Toxicity” organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh in 2018.
* Participated as an Organizer of National Seminar on “Emerging Trends in Environmental Science and Technology” organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh in 2017.
* Participated as an Organizer of International Symposium on “Emerging Trends in Modelling Strategies for Natural Resource Conservation and Waste Management” organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh in 2018.

# Poster Presentations

* Presented a poster on topic “Study of Heavy metal toxicity in Land Snails” in National Workshop “RECENT TRENDS IN ENVIRONMENTAL SCIENCE AND CARBON MANAGEMENT (RTCM-15)” organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh in 2015.
* Presented a poster on topic “Surfactant Removal from soil using Earthworms” in National Seminar “Emerging Trends in Environmental Science and Technology” organized by School of Earth & Environmental Sciences, Central University of Himachal Pradesh in 2017.
* Presented a poster on topic “Exploring world of Cone snails and their medicinal importance in curing life threatening diseases” in the national level virtual conference on environment and biodiversity for sustainable development, organized by Dept. of chemistry, botany and zoology with IQAC, Raje Ramrao Mahavidyalaya, Jath, Shivaji University, Kolhapur, India.

# Publications

1. **Dhiman, V.,** 2023. Metal Bioleaching from E-waste Using Fungal Communities. In *Microbial Technology for Sustainable E-waste Management* (pp. 201-211). Cham: Springer International Publishing <https://doi.org/10.1007/978-3-031-25678-3_12>
2. **Dhiman, V.** and Pant, D., 2022. Bioindication and biomarker responses of earthworms: a tool for soil pollution assessment. In *Advances in Bioremediation and Phytoremediation for Sustainable Soil Management: Principles, Monitoring and Remediation* (pp. 365-378). Cham: Springer International Publishing. <https://doi.org/10.1007/978-3-030-89984-4_23>
3. **Dhiman, V.,** Pant, D. and Sharma, S.D., 2022. Era of Market Globalization: A Review of Energy Demand, Opportunities, and Challenges in India. *Economics and Policy of Energy and Environmental Sustainability*, pp.63-77. SpringerNature Singapore. <https://doi.org/10.1007/978-981-19-5061-2_4>
4. **Dhiman, V.,** Pant, D. and Sharma, S.D., 2022. Single-Use Plastics: An Escalating Global Environmental Problem. In *Economics and Policy of Energy and Environmental Sustainability* (pp. 215-243). Singapore: Springer Nature Singapore. <https://doi.org/10.1007/978-981-19-5061-2_4>
5. **Dhiman, V.** and Pant, D., 2022. π-π Interaction: Defining the Role and Relevance in Environmental Detoxification of Heavy Metals from Soil. In *Soil Health and Environmental Sustainability: Application of Geospatial Technology* (pp. 659-672). Cham: Springer International Publishing. <https://doi.org/10.1007/978-3-031-09270-1_29>
6. **Dhiman, V.,** Giri, A. and Pant, D., 2022. Pollutants Bioremediation Using Biosurfactants: A Novel Approach for Improving Soil Health. In *Soil Health and Environmental Sustainability: Application of Geospatial Technology* (pp. 489-502). Cham: Springer International Publishing. <https://doi.org/10.1007/978-3-031-09270-1_21>
7. Kumar, A., **Dhiman, V.,** Kumar, P. and Pant, D., 2021. Effects of piperazine and EDTA in garden snail towards electrolytic variation and antimicrobial activities. *Environmental Science and Pollution Research*, *28*, pp.65911-65922. <https://doi.org/10.1007/s11356-021-15543-5>
8. **Dhiman, V.** and Pant, D., 2021. Environmental Biomonitoring by Snails. *Biomarkers*, pp.1-59. <https://doi.org/10.1080/1354750X.2020.1871514>
9. **Dhiman, V.,** Pant, D., Dhewa, T. and Padam, A., 2021. A Review on the Antidiabetic and Anticancer Activities of Conus Venom Peptides. *Journal of Biologically Active Products from Nature*, *11*(5-6), pp.413-441. <https://doi.org/10.1080/22311866.2021.1944316>
10. **Dhiman, V.,** 2020. Organic farming for sustainable environment: Review of existed policies and suggestions for improvement. *International Journal of Research and Review*, *7*(2), pp.22-31. Corpus ID: 215231884
11. **Dhiman, V.,** 2020. Biomedical Waste Management Practices at Sub-Health Centres and Medical Stores in Tehsil Shahpur of State of Himachal Pradesh: A Case Study. *International Journal of Science and Healthcare Research*, *5*(1), pp.106-111. <https://doi.org/10.5281/ZENODO.3930262>
12. Dutt, S., Sharma, K., Sharma, V. and **Dhiman, V.,** 2021. Status of Sandalwood (*Santalum album* Linn.) in Low Hills of Himachal Pradesh. *International Journal of Economic Plants*, *8*(4), pp.201-206. <https://doi.org/10.23910/2/2021.0421>
13. Pant, D. and **Dhiman, V.,** 2020. An overview on environmental pollution caused by heavy metals released from e-waste and their bioleaching. *Advances in Environmental Pollution Management: Wastewater Impacts and Treatment Technologies*, pp.41-53. <https://doi.org/10.26832/aesa-2020-aepm-04>
14. **Dhiman, V.,** Pant, D., Kumari, S. and Kumar, S., 2020. Recent advances in novel remediation processes towards heavy metals removal from wastewaters. *Advances in environmental pollution management: wastewater impacts and treatment technologies. Agro Environ Media*, pp.77-99. https://doi.org/[10.26832/aesa-2020-aepm-06](https://doi.org/10.26832/aesa-2020-aepm-06)
15. **Dhiman, V.** and Pant, D., 2020. Human health and snails. *Journal of Immunoassay and Immunochemistry*, pp.1-25. <https://doi.org/10.1080/15321819.2020.1844751>
16. **Dhiman, V.,** Pant, D., Sharma, D.K. and Prakash, P., 2020. A review on persisting threats to snail’s diversity and its conservation approaches. *Archives of Agriculture and Environmental Science*, *5*(2), pp.205-217. <https://doi.org/10.26832/24566632.2020.0502019>
17. **Dhiman, V.,** 2020. Preliminary toxicity assessment of chromium (Cr) and lead (Pb) on terrestrial snail (Helix aspersa). *Archives of Agriculture and Environmental Science*, *5*(1), pp.67-72. <https://doi.org/10.26832/24566632.2020.0501010>
18. Pant, D., Giri, A. and **Dhiman, V.,** 2018. Bioremediation techniques for e-waste management. In *Waste Bioremediation* (pp. 105-125). Springer, Singapore. https://doi.org/10.1007/978-981-10-7413-4\_5

**Declaration**

I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.



Dr. Varun Dhiman