**CURRICULUM VITAE**

| **POOJA DHIMAN (Ph.D, M.Sc. Microbiology)**  Dhiman Tractors  Haridwar road laksar  Laksar, Haridwar (Uttarakhand) 247663  **Email: poojadhiman.0023@gmail.com**  **Phone no. 9690728023** | **pic1** |
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PhD in Microbiology at H.N.B. Garhwal University, Srinagar, a travel enthusiast who strongly believes in dedication and sincerity in work and is always ready to explore new avenues.

**Professional Objective:**

To acquire a commendable position as a technical support specialist by virtue of my professional and academic experiences.

**Educational Qualification:**

| **Name of Examination** | **Subjects** | **University/Board** | **Year** | **Percentage**  **(%)** |
| --- | --- | --- | --- | --- |
| PhD  M.Sc.  B.Sc.  Intermediate  High school | Microbiology  Microbiology  Chemistry, Botany Zoology  English, Hindi, Chemistry, Physics, Biology  Eng, Hindi, Maths, Sci, S.sc. ,Drawing | H.N.B. Garhwal University  Gurukul Kangri University,  H.N.B. Garhwal University  U.A board    U.A board | 2020  2011  2009  2005  2003 | Awarded  73.54%  62%  67%  68% |

**PhD specialization:** Microbial diversity and ecology of forest fire

**Title:** “FLORISTIC COMPOSITION, PHYSICO-CHEMICAL PROPERTIES AND MICROBIOLOGICAL STUDY OF BURNT AND UNBURNT SOIL OF CHILLA FOREST RANGE, RAJA JI NATIONAL PARK, UTTARAKHAND”

**Specialization in MSc.:** Microbiology

Deal with following experients:

* Isolation and identification of microorganism from different source.
* Functional characterization of microorganism.
* Isolation of Rhizobia from leguminous crop.
* Oil and compound extraction from plants.
* Pharmaceutical Product testing.
* Pour, streak and spread plate methods.
* Biochemical characterization of microorganism.
* Microbial limit test.
* Bioinformatics

**Dissertation title in M.Sc. :**

**“**Antifungal activity of Extracts of *Aloe vera* against *Aspergillus niger*

**Description:**

Perform extraction process to obtain the *Aloe vera* extracts

Study of building deteriorating fungal spp.

Analyses the antifungal activity of *Aloe vera* against building fungi.

**Institute : Central Building Research Institute (C.S.I.R) , Roorkee**

**Work proficiency:**

* Study of related literature.
* Sampling of building deteriorating fungi.
* Culturing and maintenance of pure fungal culture
* Oil extraction
* Preparation of plant extracts
* Testing and evaluation of extracts for their antifungal activity.
* Statistical Analysis of Data
* Writing research paper and review

**Pharmaceutical Training Title:**

**“**Isolation and Identification of Microorganism in Quality Control Samples”

**Description:**

Microbial limit test in pharmaceutical products

Sterility testing

Water testing

Swab testing

**Company Patanjali Ayurveda ltd (D38) Haridwar**

**Professional Experience:**

**Position**:Assistant Professor at Roorkee Institute of Medical Science (Roorkee)

**Responsibilities:**

Teaching Theory and practicals (B.Sc.and M.sc)

Conduction of practical session for undergraduate and post graduate

Conduct Science Quiz

Conduct Science Lectures

Maintenance of data

Conduct Science Seminar

Guiding students for various science related activities and competitions.

**CONFERENCE PRESENTATIONS**

1. **Title:** COMPARATIVE STUDY OF EFFECT OF PRESCRIBEDFIRE ON FUNGAL COMMUNITY IN RAJAJI NATIONAL PARK **Paper Presented** at 11th Uttarakhand State Science & Technology Congress 2016-17, UCOST Dehradun-2nd to 4th March, 2017).
2. **Title:** ENZYMATIC POTENTIAL OF BACTERIAL POPULATION AFTER PRESCRIBE FIRE IN CHILLA FOREST, UTTARAKHAND **Poster Presentation**-Presented at “National Conference on Perspective in Natural and Applied Sciences” (PNAS) organized by Uttaranchal (P.G) college of Bio-medical Sciences and Hospital Dehradun-9th to 10th March, 2018).
3. **Title:** PRESCRIBE FIRE AND ITS CONSEQUENCES ON TREE STRATA AT MIXED FOREST OF CHILLA FOREST RANGE, RAJAJI NATIONAL PARK. **Paper Presented** atNational Conference on Multidisciplinary Approaches of Plant Sciences 29th to 31st  October 2018)
4. **Title:**EFFECT OF FOREST FIRE ON MICROBIAL POPULATION- A PRELIMINARY STUDY. **Paper Presented** at Presented at 10th Uttarakhand State Science & Technology Congress  2015-16, UCOST Dehradun February-10th to 12th 2016).
5. **Title:** EFFECTS OF FOREST FIRE ON STRUCTURE AND ABUNDANCE OF MICROBIAL COMMUNITY**. Paper presented** at National seminar on climate change, Bio diversity & Environment challenges: Issue and strategies for sustainable development. Department of Geography, H.N. B. Garhwal University, Srinagar
6. **Title:** ANTIFUNGAL ACTIVITY OF *ALOE VERA* AGAINST *ASPERGILLUS NIGER.* **Paper presented** at Crop diversity and Enterpreneurship development in Himalayan Environment, Department of Botany, RCU Gov. Post graduate college Uttarkashi- 29 sep-1 oct. 2016.
7. **Title:** ORAGNIC FARMING. **Paper presented** at Natural resources & Environment at Chinmaya Degree College, BHEL, Haridwar, October 13-14 2012.
8. **Title**: COSMECEUTICAL VALUE OF HERBAL PRODUCTS AS NATURAL INGREDIENTS AND NOVEL TECHNOLOGIES IN ANTI-AGING **Paper presented** at 17th Annual convention of society of Pharmacognosy & international symposium on frontier in herbal cosmetics and nutraceuticals, February 23-24, 2013.
9. Title **“** INFLUENCE OF ANNUAL PRESCRIBED BURNING ON SHRUB STRATUM AT CHILLA FOREST RANGE, RAJA JI TIGER RESERVE, UTTARAKHAND INDIA” Paper presented at International conference on Aerosol air quality, climate change and impact on water resources and livelihood in the greater Himalaya” organized by ARIES, Nanital in collaboration with department of physics H.N.B.G.U Srinagar. 14-16 September 2020

**TRAINING AND WORKSHOP**:

1. Participated in National workshop on Analysis of Official Statistics Using SPSS. Organized by Department of Statistics, School of Life Sciences, H.N.B. Garhwal University (A Central University) Srinagar, Uttarakhand from 18 to 20 February 2015.
2. Participated in National workshop on Popularization of remote sensing based maps & geospatial information organized by ISRO and ISRS on August 11, 2017.
3. Participated in symposium on Promotion pf public awareness on water development, conservation and management in Uttarakhand – Water for welfare: An Uttarakhand Initiative. Organized by Department of Environment science Science H.N.B. Garhwal University (A Central University) Srinagar, Uttarakhand, 9-03-2018.
4. Participated in World Tuberculosis Day organized by Department of Botany and Microbiology, H.N.B Garhwal University Srinagar
5. Participated in Training course on Aquifer mapping Through Participatory Approach and Local Ground Water issues organized by Central Ground water Board, Ministry of water resource, River Development, and Ganga Rejuvenation and Under the agencies of National Research Institute, Raipur Dehradun Ground water training and research institute.

**List of Publication:**

1. Padma Singh and **Pooja Dhiman** Antimicrobial activity of *ziziphus mauritiana* and *cynodon dactylon* leaves extracts.International Journal of Institutional Pharmacy and Life Sciences 6(1): 2016.
2. **Pooja Dhiman**, J. P. Mehta, Padma Singh, Snober Shafi and Sharesth Baldotra (2018). Effect of prescribe fire on bacterial abundance and their enzymatic activity in burnt and unburnt soil of Chilla forest, Rajaji National park, Uttarakhand, INDIA. Plant Archives, 18(1), 1125-1128.
3. **Dhiman Pooja**, Singh Padma, Mehta J. P, Kumari Sharesth, Shafi Sanober. (2018). Comparative study of effect of prescribe fire on fungal distribution in Rajaji National park, Uttarakhand India. *International journal of life science*, 6(2); 365-370.
4. Shafi Snobar, Mehta, J. P., Sharesth, Kumari., and **Pooja, Dhiman**. (2018). Short-term effect of prescribed fire on Pine and Oak dominated forest ecosystems of Pauri Garhwal, India. *NeBIO: An international journal of environment and biodiversity*, 9(2), 199-209.
5. Snobar Shafi, J.P. Mehta, Sharesth Kumari, and **Pooja Dhiman**. (2018). Phenology and reproductive behavior of two perennial grasses under burnt and unburnt conditions at Pauri Garhwal, Uttarakhand India.*Plant Archives*,*18*(2), 2097-2101.
6. Sharesth Kumari, J.P. Mehta, Snobar Shafi and **Pooja Dhiman** (2018). Vegetational analysis of woody vegetation in burnt and unburnt forest communities of Pauri, Garhwal Himalaya. *Plant Archives*, *18*(1), 135-143
7. Sharesth Kumari, J.P. Mehta, Snobar Shafi and **Pooja Dhiman** (2017). Phytosociological analysis of woody vegetation under burnt and unburnt oak dominated forest at Pauri, Garhwal Himalaya, India. *Environment Conservation Journal*, *18*(3), 99-106.
8. Shafi, Snobar, Mehta, J.P., Sharesth, Kumari., and **Pooja, Dhiman**. (2017). Indigenous uses of plants under Pinus dominated ecosystem at Pauri Garhwal, India. *International Journal of Herbal Medicine*, *5*(4), 09-15.
9. S. Shafi, J.P. Mehta, S. Kumari and **P. Dhiman** (2017). Phytosociological analysis of woody species under burnt and unburnt communities at Pauri Garhwal, Western Himalaya, India**.** *Envis bulletin himalayan ecology*, *25*.

**Computer:**

Software:

* + 6 month diploma in basic computer application
  + PAST
  + SPSS 22
  + MEGA 7
  + FIG TREE, Ali view, Clustal W

**Personal Attributes:**

* Initiative & Self Motivated.
* Quick Learner..
* Outcome and deadline focused.
* Ability to work within a project-based and team-based environment.
* Ability to prioritize work.
* Well developed planning & organization skills.

**Personal Profile:**

**Date of Birth** 20 June 1988

**Nationality** Indian

**Blood Group** O+

**Languages Known** English, Hindi,

**Hobbies & Interests** Reading, Music, Travelling, trekking

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