



Dr. Nivedita Sharma

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Address: Ruia Dharmshala, Kankhal, Haridwar

PROFESSIONAL SYNOPSIS

- Qualified Lecturer with approximately 7.5 years of experience in Teaching and **Qualified Uttarakhand State Eligibility Test for Assistant Professor (U-SET-2014) in Life Sciences conducted by Kumaun University, Nainital.**
- Worked as an Assistant Professor in **S.M.J.N (P.G) College, Haridwar** in the Department of Science from June 2015-2018.
- Working as an Assistant Professor in Department of Allied & Applied Science from December 17, 2020 in **University of Patanjali, Haridwar.**
- Visiting Faculty in Agriculture Department of **S.G.R.R (P.G) College, Dehradun** and took papers of Plant Biochemistry, Plant Breeding Techniques and Elements of Genetics during Session 2014-15.
- PGT (Biology) in **Gayatri Vidyapeeth School, Shantikunj, Haridwar** from June 2011 to May 2013.

OTHER RESPONSIBILITIES

- Editor of UOP Bulletin (**'Patanjali Vishwavidyalaya Prabha'**, a quarterly literary magazine of the University of Patanjali, Haridwar).
- Examiner/ Paper setter/ Moderator (UG/ PG/ Ph.D. / Entrance exam.) in diff. Universities.
- Member of the Fact Finding Committee of the University of Patanjali.
- Member of the Prospectus Committee of the University of Patanjali.
- Member of the Activity Club formed under New Education Policy Cell.
- Member of the Tabulation Team (Exam cell) of University of Patanjali.
- Member of the NAAC team for documentation work of Criteria 1 of University of Patanjali.
- Member of the Discipline Committee and Extra-Curricular Committee formed in Department of Allied & Applied Science.

AREA OF EXPERTISE / ABSTRACT AND RESEARCH PAPERS PUBLISHED

Plant Pathology

Mycology

Ecology

Genetics

Microbiology

Environmental
Science

➤ Abstract published in 9th Uttarakhand State Science & Technology Congress (UCOST) 2014-15, 26-28 Feb, 2015 at Uttarakhand State Council for Science & Technology, Vigyan Dham, Dehradun entitled as **“Disease incidences in Seabuckthorn (*Hippophae* Linn)”**

➤ Abstract Published in the National Conference on Natural Resource Management Avenues & Application (NRMAA) on 18th-19th March, 2016 organized by Uttaranchal (P.G.) College of Bio Medical Sciences & Hospital Dehradun, Uttarakhand. entitled as **“Seabuckthorn - Its sustainable utilization for Biodiversity conservation”**

- Abstract published in the U.G.C. New Delhi Sponsored National Seminar on Values, Ethics and Social Responsibility on 28-29th Feb, 2016 at S.M.J.N (P.G.) College, Haridwar entitled as **“Values, Ethics and Corporate Social Responsibility”**
- Abstract published in the NAAC Sponsored National Seminar on Role of IQAC in Enhancing Quality of Teaching, Learning and Evaluation” on 9th-10th Oct.2015 organized by IQAC, S.G.R.R (P.G.) College, Dehradun sponsored by NAAC, Bangalore entitled as **“Learner Centered Teaching: An Active Approach to Learning”**
- Abstract published in National Conference on Recent Advances in Science, Technology & Management on 29-30 April, 2017 organized by Phonics Group of Institutions, Roorkee entitled as **“Evaluation of *Trichoderma harzianum* as a potential bio-control option for fungal root disease of seabuckthorn”**
- Abstract published in National Conference on Recent advances in Ayurvedic herbal medicine - from source to manufacturing organised by Faculty of Biomedical Sciences, Uttarakhand Ayurved University Dehradun on 15 and 16 Sept. 2017, entitled **“Medicinal and Economic potential of Seabuckthorn: A wonder plant”**.
- Abstract published in National Seminar on High Altitude Medicinal and Aromatic Plants on 10-11 Nov. 2017 held at Kisan Bhawan Dehradun, entitled **“Seabuckthorn- A Hidden Treasure for the livelihood improvement of rural communities in Uttarakhand”**.
- Abstract published in International Seminar on Himalayan Challenges: Towards Interdisciplinary Dialogues for Sustainability and Development on 29-01 Dec, 2017 held at Doon University, Dehradun, entitled **“Identification and Assessment of Fungal Diseases of Seabuckthorn” A Wonder Medicinal Plant”**.
- Abstract published in International Conference entitled **“Integration of Traditional Medicinal System with Modern Science: Relevance, Challenges and Future Perspectives”** during 11-13 March, 2021 organized by Patanjali Research Institute, Haridwar and Uttarakhand State Council of Science & Technology.

- Published Research Paper entitled **First Report on Occurrence of *Emericella quadrilineata* on leaves of *Hippophae salicifolia* D.Don from India** Int.J.Curr.Microbiol.App.Sci) 4(6): 1006-1009 (2015).
- Published Research Paper entitled **First Report on Phyllospheric Mycoflora of *Hippophae salicifolia* D.Don from India.** Int. J. Pure App. Biosci. 4 (1): 235-239 (2016).
- Published Research Paper entitled **Occurrence and Diversity of Soil Mycoflora in Some Selected Brassica Growing Agricultural Fields of Dehradun District of Uttarakhand Himalaya.** Int. J. Pure App. Biosci. 4 (1): 253-264 (2016).
- Published Research Paper entitled **First Report of Seabuckthorn wilt caused by *Fusarium sporotrichoides* in India.** IIOAB Journal 7 (7): 1-4 (2016).
- Published Research Paper entitled **First Report on Occurrence of damping off disease in *Hippophae salicifolia* D.Don caused by *Fusarium* species from Uttarakhand, India.** IJCMS Journal 3(1): 572-575 (2017).
- Published Research Paper entitled **First Report on Occurrence of leaf spot disease on *Hippophae salicifolia* D.Don caused by *Alternaria* species from Uttarakhand, India.** J. Mycopathol, Res, 55(4): 365-368 (2018).
- Published Research Paper entitled **Evaluation of *Trichoderma harzianum* as a potential bio-control option for fungal root disease of seabuckthorn.** Annals of Plant Sciences, 7.7: 2373-2376 (2018).
- Published a Research paper entitled **“First Report of *Trichoderma harzianum* as an effective bio-control agent against Leaf Spot Disease of a Wonder Plant (Seabuckthorn) in Uttarakhand”** International Journal of Emerging Technologies and Innovative Research, 9 (9): b143-b149 (2022).
- Published an article entitled **“Pharmacological properties of Indian hemp *Cannabis sativa*”.** Indian Farmer, 9 (11): 529-535 (2022).
- Published an article entitled **“Homa Organic Farming: A Sustainable Approach in Agricultural Science”** Just Agriculture, 3(3): 27-29 (2022).
- Published a Research paper entitled **“First Comprehensive Report on the Occurrence of Various Fungal Diseases in Seabuckthorn from Uttarakhand, India”** International Journal of Advances in Agricultural Science & Technology, 10 (1):6-27 (2023).

CHAPTER AND BOOK PUBLISHED

- Published a Chapter entitled **Seabuckthorn: Its Sustainable Utilisation for Biodiversity Conservation** in book entitled Environmental Pollution, Biodiversity, And Sustainable Development-Issues and Remediation. Apple Academic Press, pp 147-158 (2019).
- Published a Chapter entitled **Seabuckthorn: an Emerging Horticultural Crop of India** in book “Trends in Agriculture: Traditional and Modern Approaches. M/S Agrobios Research, pp 313-324 (2021).

- Published a book entitled: **Pathogenic Diseases of a Wonder Plant-Seabuckthorn in Garhwal Himalayas and their bio-control**. Edububs Publishing House. ISBN: 978-81-949033-9-0. (2022)

SEMINARS, CONFERENCE & WORKSHOPS ATTENDED AND PARTICIPATED

- Attended an International Seminar entitled **“Our Genes and Genomes- Past, Present and Future”** held on 04th Feb, 2015 at I.C.F.R.E Auditorium, Dehradun jointly organized by HNB Uttarakhand Medical University, Dehradun; CARDIFF University, United Kingdom, UCOST, Dehradun and Sri Dev Suman University, Tehri, Garhwal.
- Attended Seminar on **“Retrospect and Prospects of Natural Resource & Disaster Management in Uttarakhand Himalaya”** on 10th-11th April, 2014 organized by Department of Botany, Dolphin (P.G) Institute of Biomedical and Natural Sciences, Dehradun.
- Attended Seminar on the topic **“Enhancing Research Culture in Institutions of Higher Education”** organized by IQAC of S.G.R.R(P.G.) College, Dehradun on 13th May, 2014.
- Participated in Workshop cum Hands-on-Training on **“Recent Trends in Bioinformatics & its Application in Modern Biotechnology”** organized by Uttarakhand Council for Biotechnology (UCB), Haldi (U.S.Nagar) held at UCB Camp Office, Silk Park, Prem nagar, Dehradun.
- Presented a paper entitled **“Learner Centered Teaching: An Active Approach to Learning”**: In the NAAC Sponsored National Seminar on *Role of IQAC in Enhancing Quality of Teaching, Learning and Evaluation*” on 9th-10th Oct.2015 organized by IQAC, S.G.R.R (P.G.) College, Dehradun sponsored by NAAC, Bangalore.
- Presented a paper entitled **“Values, Ethics and Corporate Social Responsibility”** in the U.G.C. New Delhi Sponsored National Seminar on *Values, Ethics and Social Responsibility* on 28-29th Feb, 2016 at S.M.J.N (P.G.) College, Haridwar.
- Presented a paper entitled **“Seabuckthorn - Its sustainable utilization for Biodiversity conservation”** in the National Conference on *Natural Resource Management Avenues & Application (NRMAA)* on 18th-19th March, 2016 organized by Uttaranchal (P.G.) College of Bio Medical Sciences & Hospital Dehradun, Uttarakhand.
- Presented a Paper entitled **“Disease incidences in Seabuckthorn (*Hippophae* Linn)”** in 9th Uttarakhand State Science & Technology Congress (UCOST) 2014-15, 26-28 Feb, 2015 at Uttarakhand State Council for Science & Technology, Vigyan Dham, Dehradun.
- Attended a three day National Workshop and Seminar on **“Taxonomic Keys and Identification of different groups of flora and fauna including molecular tools”** from 28-30th March, 2016 at Gurukul Kangri Vishwavidyalaya, Haridwar.
- Presented a poster entitled **“Seabuckthorn Leaves As a Potential Source for *Trichoderma harzianum*”** at National Seminar sponsored by UGC, New Delhi on Environmental Health vis-à-

vis Human Welfare in Present Scenario on 18-19th April, 2016 at D.A.V (P.G.) College, Dehradun, Uttarakhand.

- Presented a poster entitled **“Evaluation of *Trichoderma harzianum* as a potential bio-control option for fungal root disease of seabuckthorn”** at National Conference on Recent Advances in Science, Technology & Management on 29-30 April, 2017 organized by Phonics Group of Institutions, Roorkee.
- Presented a poster entitled **“Medicinal and Economic potential of Seabuckthorn: A wonder plant”** at National Conference on Recent advances in Ayurvedic herbal medicine - from source to manufacturing organised by Faculty of Biomedical Sciences, Uttarakhand Ayurved University Dehradun on 15 and 16 Sept. 2017.
- Presented a paper entitled **“Seabuckthorn- A Hidden Treasure for the livelihood improvement of rural communities in Uttarakhand”** at National Seminar on High Altitude Medicinal and Aromatic Plants on 10-11 Nov. 2017 held at Kisan Bhawan Dehradun.
- Presented a paper entitled **“Identification and Assessment of Fungal Diseases of Seabuckthorn” A Wonder Medicinal Plant** at International Seminar on Himalayan Challenges: Towards Interdisciplinary Dialogues for Sustainability and Development on 29-01 Dec, 2017 held at Doon University, Dehradun.
- Attended a Workshop on **“Hands on Training on Molecular and Microbiological Techniques”** held at Gurukul Kangri Vishwavidyalaya, Haridwar on March 9-10, 2018.
- Attended the Lecture Workshop on **“Emerging Trends in Bioinorganic Chemistry”** held at the Department of Chemistry, Indian Institute of Technology Roorkee.
- Presented a poster entitled **“*Trichoderma harzianum* - A potential bio control option against damping off disease of seabuckthorn”** at National Conference on Status of Upcoming Trends in Biodiversity Conservation sponsored by UCOST (Dehradun), organized by Chaman Lal Mahavidyalaya, Haridwar on 06 Jan 2019.
- Attended a two day National Seminar on **“Ptho foKku esa oSKkfud ,ao rduhdh “kCnkoyhß”** sponsored by Commission for Scientific and Technical Terminology MHRD Govt. of India and organized by Chaman Lal Mahavidyalaya, Haridwar on 09-10 December, 2019.
- Attended a webinar on **“Covid 19 Lockdown and Environmental Quality 2.0”** organized by Society for Environment, Health, Awareness of Nutrition and Toxicology (SEHAT), New Delhi on 14 April, 2020.
- Attended a two day webinar on **“Evolution of science seen from historical perspective”** conducted by the Department of Botany, Deshbandhu College, University of Delhi under the aegis of IQAC on 12th & 13th May 2020.
- Attended a three days’ workshop entitled **“Safe Campus Program”** organized by the **Association of Indian Universities** and **Martha Farrell Foundation** held from 25th February -27th February 2021
- Participated as Invited Guest Speaker in International Conference on **“Integration of Traditional Medicinal System with Modern Science: Relevance, Challenges and Future Perspectives”** from

11-13th March, 2021 organized by Patanjali Research Institute and Uttarakhand State Council of Science & Technology.

- Participated as Speaker in 7 Days International Yoga Webinar Organized by University of Patanjali from 15-21 June, 2021 on the topic” **Seabuckthorn berry: an opportunity to rejuvenation in Ayurveda.**
- Participated as Invited speaker in virtual live programme **GYAN PRAVAH** organized by University of Patanjali, Haridwar on 2nd and 3rd July, 2021 and 4th and 5th Aug, 2021.
- Attended Five Days Online Bridge Course “**Oils and Fats from Plants-Future Prospects**” organized by KSCSTE-Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode, Thiruvananthapuram on 26th July to 30th July 2021.
- Attended One day National Seminar Organised by Patanjali Research Foundation Trust, Haridwar, Uttarakhand on the topic "**Intellectual Property Rights: Need, Prospects, Awareness and challenges in Herbal Medicine Sector**" on 14th March, 2022.
- Participated as key note speaker on title “**Pathogenic Diseases of wonder plant seabuckthorn in Uttarakhand and their bio-control**” at 4th International Conference on Recent Scientific and Technological Trends (ICRSTT) organized by Maa Shakumbhari Trust, Noida, UP on 23-24 April, 2022.
- Presented a poster entitled” **A Systematic Study on Major Fungal Diseases Occurring on Seabuckthorn in Uttarakhand**” at An International Conference on “**Modernization of Traditional Indian Medicine: Industrial Perspectives**” organized by Patanjali Research Institute, Haridwar in Collaboration with NMPB & NABARD from 01-04 August, 2022.
- Attended a one day workshop on “ **Scientific Paradigms of Anti- Cancer Treatments Available in Ayurveda**” Organized by Patanjali Research Institute, Haridwar in collaboration with Ministry of Ayush, Govt. of India on 5th Sep, 2022.
- Paper presented in a two day National Conference on “**Emerging Technologies and Enabling Tools for Eco-Friendly Management of Diseases of Medicinal & Aromatic Plants (MAPs)**” supported by NMPB, Ministry of Ayush, Gov of India, organized by Manav Rachna International Institute of Research & Studies, Faridabad, on 23-24 Sep, 2022.
- Attended a one day workshop on **Herbal Research, Data Analysis and Validation of Ayurvedic Drugs** organised by Patanjali Research Institute on 17th Dec, 2022.
- Participated as Invited talk by Patanjali Research Institute (phrd) in the **VIGYANAM** Program on the topic “”**Studies On Commonly Occurring Pathogenic Diseases of Hippophae salicifolia D. Don in Garhwal Himalayas and their bio-control** on 7th Jan, 2023.
- Attended one day state level workshop on **Intellectual Property Rights (IPR)** organised by Indira Priyadarshini Govt. Girls (P.G) College of Commerce, Haldwani, Nainital, Uttarakhand, India on 8th Feb, 2023.

- Paper Presentation on the topic **“Homa Therapy: A Powerful Tool for Combating Soil, Water and Environmental Issues”** in a National Conference on Empowering Innovative Science & Technology for Indigenous Development of Uttarakhand: Dimensions & Challenges organised by Faculty of Science, Rajkiya Mahavidyalaya, Chinyalisaur, Uttarkashi on 2nd March, 2023.
- Paper Presentation on the topic **“India’s Vedic Philosophy on Botany”** in a three days National Workshop on “Revisiting Indian Knowledge System in the light of Modern Science” organised by Chaman Lal Mahavidyalaya, Landhaura, Haridwar and sponsored by ICPR on 13-15th March, 2023.
- Poster Presentation on the topic **“Agnihotra- A Vedic Touch to Modern Agriculture”** in a National Conference on “Science & Technology for all” organised by The Indian Science Congress Association: Haridwar Chapter, Gurukul Kangri Vihwavidyalaya on 19th March, 2023.
- Paper Presentation on the topic **“Concepts of Botany in Vedic India”** in a National Conference on “Knowledge, Cultural Traditions & Practices of India” organized by Gurukul Kangri Vihwavidyalaya from 29th-31st March, 2023.

UGC APPROVED ORIENTATION AND REFRESHER COURSE

- Attended **Faculty Induction Programme** organized by CPDHE, University of Delhi from 5th Sep-8th Aug, 2021 with **Grade “A”**
- Attended **Refresher Course in Life Sciences** conducted by UGC-MHRD and Organised by Punjabi University, Patiala from 12th-25th Nov, 22 with **Grade “A”**

REFRESHER COURSE (OTHERS)

- Attended 14 days **Refresher Course on Vedic Science** organized by the University of Patanjali, Haridwar, India between June 19 and July 02, 2022 with **Grade ‘A’**.
- Attended 07 days **International Faculty Development Program** on “Improving the Writing Skills of Early Career Researchers” jointly organised by SKAUST-K and Just Agriculture Education Group from 15-21st Dec, 2022.

SEMINARS, CONFERENCE, WORKSHOPS & OTHER ACTIVITIES ORGANIZED

- Organizing Secretary of a **Science Quiz Competition** organized by Department of Allied & Applied Science on 27th Feb, 2021.
- Organised a workshop in collaboration with Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, Ministry of Education, Govt. of India on the topic entitled **“Psycho-social support for covid pandemic condition”** on 30th June, 2021.

- Organizing Secretary in a One Day National Webinar on **“Recent Trends in Science & Technology”** Organized by Department of Allied & Applied Science, University of Patanjali, Haridwar on 30th July, 2021.
- Coordinated the one day District Level Cluster Workshop for **Swachh Action Plan Orientation** of HOIs and Principals of all Higher Education Institutions in District Haridwar on 18th Sep, 2021.
- Organizing Secretary of a **Speech Competition** organized by Department of Allied & Applied Science on 18th Nov, 2021.
- Organizing Secretary of a **Cleanliness Drive** under the aegis of Swachh Action Plan organized by Department of Allied & Applied Science on 27th Dec, 2021.
- Organizing Secretary of a **Poster Competition** organized by Department of Allied & Applied Science on 29th Dec, 2021.
- Organizing Secretary of World **Water Day** organized by Department of Allied & Applied Science on 22nd March, 2022.
- Worked as member of the organizing committee in organizing An International Conference on **“Modernization of Traditional Indian Medicine: Industrial Perspectives”** organized by Patanjali Research Institute, Haridwar in Collaboration with NMPB & NABARD from 01-04 August, 2022.
- **Got Seed money worth Rs. 50,000/- for one year duration under Minor Research Project from University of Patanjali on the topic “To study the impact of Agnihotra ash in mitigating sewage water pollution in Sep, 2022.**
- **Got third prize in the oral presentation** in a two day International Conference on **“Environment and Human Health: Global Issues** on the topic entitled **“Homa Therapy: A Holistic Approach for Human Health and wellness”** organized by Department of Botany & Microbiology, Gurukula Kangri (Deemed to be University), Haridwar on 7-8th Dec, 2022.
- Organised a one day training camp in collaboration with W-20 and Patanjali Mahila Samiti, Roorkee on **“Women’s Physical, Mental & Social Wellness”** on 5th March, 2023.

Edifications

2018	PhD (Botany) from H.N.B Garhwal Univ. Srinagar, Uttarakhand.
2011	Cleared B.Ed from S.G.R.R (P.G.) College, Dehradun, H.N.B Garhwal University, Srinagar with 72% Marks
2010	Cleared M.Sc (Botany) from S.G.R.R (P.G.) College, Dehradun, H.N.B Garhwal University, Srinagar with 65% Marks
2008	Cleared B.Sc, from Chinmaya Degree College, Haridwar, H.N.B Garhwal University, Srinagar with 64% Marks
2005	Completed Sr. Secondary from Bal Mandir Sr. Sec. School, Haridwar (CBSE board) with 68% Marks
2003	Completed Secondary from Doon Cambridge School, Haridwar (ICSE Board) with 74% Marks

Achievements

- Participated in *Teacher Orientation Program* held at Gayatri Vidyapeeth School, Shantikunj, Haridwar from 23rd May- 30th May, 2011 and 23rd May-31st May, 2012.
- Got NSS “A”, “B” and “C” Certificate during Graduation in 2008.
- Got state level certificate for participating in Republic Day Parade as a part of NSS cadre in 2007.
- Completed three months certificate course in *Computer Application Software* from Manav Shakshinic Prashakshinic Avam Vikas Sansthan, Hardwar Regd. under U.K Gov. 2630/1193S/1003.
- Completed *Business Package Course [MS-OFFICE-2003]* conducted from 5th March, 2012-24th April, 2012 at SMT Computer Institute, Hardwar.
- Got Certificates of Excellence in various Co-Curricular activities viz. Essay writing, G.K Quiz, Debates, Drawing, Speech, and Singing Competition at School and College level.
- Got **“YOUNG SCIENTIST AWARD”** at National Seminar sponsored by UGC, New Delhi on Environmental Health vis-à-vis Human Welfare in Present Scenario at D.A.V (P.G.) College, Dehradun, Uttarakhand.
- Got selected as Guest Faculty, 2015 in Botany by Uttarakhand Higher Education Commission, Haldwani, Nainital.
- Got **“YOUNG SCIENTIST AWARD”** at National Conference on Recent Advances in Science, Technology & Management on 29-30 April, 2017 organized by Phonics Group of Institutions, Roorkee entitled as **“Evaluation of *Trichoderma harzianum* as a potential bio-control option for fungal root disease of Seabuckthorn”**
- Got **“BEST PRESENTER AWARD”** at National Seminar on High Altitude Medicinal and Aromatic Plants on 10-11 Nov. 2017 held at Kisan Bhawan Dehradun, entitled **“Seabuckthorn- A Hidden Treasure for the livelihood improvement of rural communities in Uttarakhand”**.
- Got selected as PGT-Lecturer (Biology) by Uttarakhand Public Service Commission (UKPSC), Haridwar on 19th March, 2020.
- Got Certificate of Appreciation by **MGNCRE, Department of Higher Education, Govt of India** for valuable contribution towards effectively coordinating mini national conference for green champion award winners on 29 April, 2022.

Personal Information

Permanent Address : Ruia Dharamshala, Kankhal,
Haridwar, (UK) – 249408

Date of Birth : 30th March, 1987

Marital Status: Married

References:

1. **Dr. Mahavir Agrawal, Ph.D., D.Litt.**
Pro Vice Chancellor, University of Patanjali, Haridwar
Ex. Vice-Chancellor, Uttarakhand Sanskrit University, Haridwar
Mobile no. - +91 9719004452
2. **Dr. Manisha Solanki**
HoD and Assistant Professor
Department of Botany
Chinmaya Degree College, Haridwar
Mobile no.-+91 9837162852

I declare that all the statements are true and correct to the best of my knowledge.

Nivedita Sharma

(Signature)