


Curriculum Vitae (2017-2022)

Full Name	Dr. Prasant Arya			
Designation	Assistant Professor			
Department	Department of Himalayan Aquatic Biodiversity			
Campus	Srinagar Campus			
School	School of Life Sciences			
Mobile	+91 7895883300			
Email	prashantarya09@gmail.com			
Education Qualification	<p>BSc. (2007), Gurukul Kangri University (Haridwar)</p> <p>MSc. (2009), Gurukul Kangri University (Haridwar)</p> <p>NET- 2016, 2017 and 2018</p> <p>Ph.D. (2017) H. N. B. Garhwal University (A Central University) Srinagar (Garhwal) 246174 Uttarakhand</p>			
Teaching Experience	05-Years	Research Experience	09 Years	
Areas of Interest/ Specialization				
<ul style="list-style-type: none"> ➤ Aquatic Microbial diversity. ➤ Antimicrobial Potential. ➤ Bioactivity 				
Honours & Awards				
<ul style="list-style-type: none"> ➤ Honored by Medhavi Chatra Award in Gurukula Kangri University, Haridwar. ➤ Best Presentation Award in National Conference on “Microbes in Extreme Environments: Diversity and Translational Applications (MEEDTA 2015). ➤ Got IInd Position in Faculty group of Article/Idea/Research Proposal on COVID-19 Competetion-2020 organized by the MHRD and Innovation Cell of HNBGU. 				
Member of Academic Institutions				
Annual Membership of Indian Science Congress Association, Kolkata.				
Membership of Scientific Organization				
Member of Reviewer Committee for the Journal of Science and Technological Researches (eISSN:2456-7701).				
Research Supervision (No. of Ph.D. Degree Awarded/ Registered)				

NA
Research Projects/ MoU undertaken- Nil
<p>Administrative Experience-</p> <ul style="list-style-type: none"> ➤ Member: Discipline Committees for Convocation, Cultural/Academic and other program of the University ➤ Member: Member of Proctor Board in University Student's Election-2022 and University Convocation-2022 ➤ Member: Member of Managing Team (Academic Events) in University Cultural program 2023.
Scientific Visits Abroad/International Collaboration- Nil
<p>Industrial Training</p> <ul style="list-style-type: none"> ➤ Six-month industrial training on General Microbial Techniques used in Pharmaceutical Industry from Ind-Swift Laboratories Limited (Mohali). ➤ One-month training on Water and Waste water Treatment from Bharat Heavy Electricals Limited (BHEL) Haridwar. ➤ One-month training on Microbiological Quality Testing of milk product from Dehradun Dugth Utpadak Sahakari Sangh Limited, Dehradun.
<p>Conference/Symposium/Workshop Attended during last five years (2017-2022).</p> <ol style="list-style-type: none"> 1. Attended a Faculty Development Programme on “Advance Research and Statistical Techniques” (2018) organized by Uttaranchal University Dehradun. <p>International</p> <ol style="list-style-type: none"> 1. Presented on “Bioactivities, bioactive compounds and phytoconstituents analysis of Himalayan Medicinal plant <i>Angelica glauca</i>” Prashant Arya and J P Mehta. In International seminar on The Himalayan Challenge: To words Interdisciplinary Dialogues for Sustainability and Development organized by Sri Dev Suman Uttarakhand University Tehri Garhwal (2017). 2. Presentation on “Bioactive compounds and phytoconstituents analysis of Himalayan Medicinal herbs <i>Peristrophe bicalyculata</i>” Prashant Arya and J P Mehta. In International Conference on Contemporary Issues of Climate Change, Conservation of Biodiversity and Natural Resources in Himalayan Environments, 14th to 16th November, 2019. Organized by Department of Zoology Government P. G. College

New Tehri, Tehri Garhwal, Uttarakhand.

National

1. Presentation on “Antibacterial and phytochemical analysis of *Peristrophe bicalyculata* leaves Extract against some human pathogens” Prashant Arya and J. P. Mehta. In National seminar of Indian Science Congress Association UK Chapter.
2. Presentation on “Isolation and identification of common Respiratory Tract Pathogens form clinical sample” Prashant Arya and J. P. Mehta. In National Conference Perspective in Natural and Applied Sciences (PNAS)-2018 organized by UCOST and UCB (Dehradun).
3. Presentation on “Antioxidant and free radical scavenging properties of Himalayan medicinal plant *Angelica glauca* Prashant Arya and J. P. Mehta. In National Seminar on Research in Environment and Biosciences: Current Scenario and Future Perspectives, organized by Dept. of Zoology DAV (Dehradun).
4. Presentation on “A Review Article on Traditional Health Care System of Uttarakhand” Prashant Arya. In National Conference on Environment Resources and Development of the Indian Himalaya, organized by Dept. of Geography H N B Garhwal University Srinagar.
5. Presentation on “Diversity of medicinal plants in Himalaya used in respiratory tract infection” Prashant Arya and J P Mehta. In National Seminar on Strategies for Conservation & Sustained Utilization of Biodiversity, dated on 18th to 19th oct 2019. Organized by Uttaranchal University (Dehradun) Uttarakhand.

Conference/Symposium/Workshop Organized during last five years (2017-2022)-

Webinar

- Participated in online webinar on “Microbiologist in Everybody” organized by Biocon Academy and Biotechnika Info Labs Pvt Ltd dated on 3rd June, 2020.
- Participated in National Webinar on “Issues and Solutions for Saving Biodiversity in Himalayan Region” Jointly organized by: Uttarakhand State Council for Science and Technology (UCOST), Dehradun & The National Academy of Sciences, India, Prayagraj (Uttar Pradesh) dated on 5th June, 2020.
- Participated in the National Webinar on “Medicinal Plants and Community health” organized by Govt. PG College Nagnath-Pokhari (Chamoli) dated on 8th June, 2020.
- Participated in the International Webinar on “Post COVID-19 Education Scenario:

Prospects and Challenges” organized by School of Education (PMMMNMST) HNBGU Srinagar (Garhwal) dated on 6th June, 2020.

- Participated in the National webinar on “Environmental Conservation Gaon Se” organized by Dept. of Geography HNBGU Srinagar (Garhwal) dated on 5th June, 2020.
- Participated in the Webinar on “Post COVID-19: Issues, Challenges & Strategies for revival of Tourism Sector” organized by CMTHS, HNBGU Srinagar (Garhwal) Uttarakhand dated on 13th June, 2020.
- Attended DBT sponsored lecture on “Physiology of Flowering” organized by Department of Botany, Doaba College, Jalandhar dated on 13th June, 2020.
- Attended International webinar on “Microbial Diversity from Heath to Environment” organized by the Dept. of Botany & Microbiology HNBGU Srinagar (Garhwal) dated on 27th June, 2020.
- Attended a one-day National E Seminar on” COVID-19 Impact on Environment- Myth or Reality” organized by Shri Murli Manohar Town PG College Ballia dated on 14th July, 2020.
- Participate in the National Workshop on “Intellectual Property Rights” organized by Govt. Post Graduate College, Nagnath-Pokhari (Chamoli), Uttarakhand dated on 21st July, 2020.
- Participate in the International Webinar on “Recent Trends in Systematic Biology” organized by Govt. Post Graduate College, Nagnath-Pokhari (Chamoli), Uttarakhand dated on 28th July, 2020.

Publications during last five years (2017-2022)

Journals

1. **Prashant Arya** and J. P. Mehta (2017) Antioxidant potential of Himalayan medicinal plants *Angelica glauca*, *Alysicarpus vaginalis* and *Peristrophe bicalyculata*. International Journal of Current Microbiology and Applied Sciences. 6(7) 1892-1901
2. **Prashant Arya** and J. P. Mehta (2017) A Review on Antimicrobial and Phytochemical Screening of Traditionally used Himalayan Medicinal Plants. Environment Conservation Journal 18(1-2):49-62
3. Navneet Singh, **Prashant Arya**, Rajendra Singh, km. Prachi and Devendra Singh Negi (2017) Synthesis and in-vitro Antibacterial activity of benzimidazole derivatives from some amino acids. International Research Journal of Chemistry (17) 01-15
4. **Prashant Arya** and J P Mehta (2017) Distribution and resources of medicinal plants

(*Aconitum violaceum*, *Angelica glauca*, *Alysicarpus vaginalis* and *Peristrophe bicalyculata*) in Garhwal Himalaya. ENVIS Bulletin Himalayan Ecology 25:136-140

5. **Prashant Arya** (2018) Antioxidant, phytochemical and antibacterial action of Himalayan medicinal herbs *Peristrophe bicalyculata* leaves extract against respiratory tract pathogens. International Journal of Pharmacy and Pharmaceutical Sciences 10(3):16-21
6. Navneet Singh, **Prashant Arya**, Prashast Kumar Tripathi and Devendra Singh Negi (2018) Synthesis, Characterization and Antibacterial Activity of Two Novel Benzimidazole Compounds from Citric Acid. Journal of Applicable Chemistry 7 (1): 52-58
7. **Prashant Arya** and J P Mehta (2019) A Review on Traditional Health Care System of Uttarakhand. Environment and Ecology 37(2) 582-588
8. J.P. Mehta, B. S. Bhandari and **Prashant Arya** (2020) Structural analysis and diversity status of some montane forest stands along an altitudinal gradient in Garhwal Himalaya. Journal of Science and Technological Researches (JSTR) 2(2) 15-23
9. Deepak Patel, Sanjeev Kumar, Navneet Swami, Tanuja Deoli, **Prashant Arya**, Sarvesh Kumar (2020) Impact of COVID-19 Pandemic, Major Precaution and Treatments. Indo American Journal of Pharmaceutical Research. 10(07):1239-1246. DOI NO: 10.5281/zenodo.3972792
10. **Prashant Arya**, Jagat Prakash Mehta, Vineet Kumar Maurya (2021) Methanolic Extract of *Angelica glauca* Edgew Root and Stem: A Possible Component of Herbal Medicines against Respiratory Infections. Indian Journal of Pharmaceutical Education and Research 55 (2): 552-562. DOI: 10.5530/ijper.55.2s.127
11. Sanjeev Kumar, Navneet Swami, Pawan Singh Rana, **Prashant Arya**, Deepak Patel, Vijay Jyoti Kumar and Sarvesh Kumar (2021) A review on different prevention and treatment technology used for the curing of viral infection. European Journal of Biomedical and Pharmaceutical sciences 8(7) 197-203.
12. Sarvesh Kumar, Renu Chaudhary, **Prashant Arya**, Sanjeev Kumar, Payal Verma, Navneet Swami, Vijay Jyoti Kumar. (2022) Chemical composition and medicinal potential of *Oroxylum indicum*: A Review. Journal of Mountain Research 16(3) 31-42

Books Chapters

1. **Prashant Arya** and J. P. Mehta (2020) Concept of Conventional Health Care System in

Uttarakhand. Recent Advancements in Sciences with Special Reference to Himalaya. Ancient Publishing House Delhi-110 053 (India) ISBN- 978-93-84866-91-4 Pp-221-234.

2. **Dr. Prashant Arya**, Navneet swami and J P Mehta (2020) Role of Traditional knowledge in health care system of India including COVID-19 Pandemic situation. COVID-19 A Drill Down Analysis Volume-I. INSC Publishing House (IPH) ISBN-978-81-946370-2-8 Pp 142-147.
3. **Dr. Prashant Arya** (2020) COVID-19 Pandemic and Its Impact on the Environment. Air Quality, Climate Change and the Environment Effects Referring to the Pandemic COVID-19 Lockdown. Ancient Publishing House Delhi-110 053 (INDIA) ISBN- 978-93-84866-93-8 Pp-15-28.
4. **Dr. Prashant Arya** and Dr. Navneet Swami (2021). Clinical Management of Covid-19 By Ayurveda. COVID-19 A Clinical Management. Lexicon International Publisher. ISBN-978-81-949147-0-9 Pp- 221-230

Book Published-

Total Number of Research Publications: 25