

Kumaun University, Nainital

Curriculum Vitae

Name : **Seeta Dewali**
Designation : Assistant Professor
Department : Department of Zoology,
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Contact Information

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Educational Qualification

Degree	University	Subjects	Year
Ph.D.	Kumaun University, Nainital	Zoology	2024
M.Sc.	Kumaun University, Nainital	Zoology	2017
B.Sc.	Kumaun University, Nainital	Zoology, Botany and Chemistry	2015
12 th	CBSE, New Delhi	Biology, Chemistry, Physics. Hindi and English	2012
10 th	CBSE, New Delhi	Science, Maths, Social science, Hindi and English	2010

Work Experience

Position	Department	University/Organization	Year
Assistant Professor (Guest)	Zoology	Kumaun University, Nainital	11/11/2020 - till date

Administrative Responsibilities

Position	Nature of responsibility	University/Organization	Year
NA	NA	NA	NA

Research Interests

My primary research interests lie within the realm of micro and molecular biology, with a distinct focus on probiotic bacteria and their multifaceted applications in both human health and aquaculture. My research endeavours aim to pave the way for the development of cutting-edge strategies that harness the power of probiotic bacteria to improve human health and welfare, while also advancing the sustainability and productivity of aquaculture systems. Through interdisciplinary collaboration and a comprehensive understanding of micro and molecular biology, I strive to contribute to transformative advancements in these critical fields.

Publications (start from recent publications)

a) Research Papers

Authors name	Title of the paper	Vol, page no	Year
Dewali, S., Arya, D. K., Tripathi, A., Naz, A., Fartyal, B., Garjola, J., ... & Sharma, N. P.	Early detection of mastitis using genomic and proteomic approaches in milchig animals to ensure milk quality	24(1)386-404	2024
Seeta Dewali, Netrapal Sharma, Rashi Miglani, Nagma Parveen, Gaurav Rawat, Deepak Chandra Melkani, Neha Kathayat, Satpal Singh Bisht	Comparative study of snow-fed and Spring-Fed Rivers of Kumaun Himalaya, India	17(10) 1036-1051	2023

Netrapal Sharma, Satpal Singh Bisht, Sanjay Gupta, Rohit Pant and Seeta Dewali.	<i>In vitro</i> efficacy of whole-grain finger millet (<i>Eleusine coracana</i>) extract on primary rat osteoblasts	18(4); 74-83	2023
Seeta Dewali, Netrapal Sharma, Deepak Chandra Malkani, Mansi Arya, Satpal Singh Bisht.	Socioeconomic status and livelihood of fishermen in and around three river systems of Kumaun Himalaya, Uttarakhand	29(3); 33-39	2023
Mansi Arya, Shikha Bora, Deepak Melkani, Seeta Dewali, Netrapal Sharma, Satpal Singh Bisht.	Badri cow milk and milk products: A nutraceutical review	29(3); 98-106	2023
Pathak VM, Verma VK, Rawat BS, Kaur B, Babu N, Sharma A, Dewali S, Yadav M, Kumari R, Singh S, Mohapatra A, Pandey V, Rana N and Cunill JM	Current status of pesticide effects on environment, human health and its eco- friendly management as bioremediation: A comprehensive review.	13:962619	2022
Nagma Parveen, Rashi Miglani, Ankit Kumar, Seeta Dewali, Kulbhushan Kumar, Netrapal Sharma and Satpal Singh Bisht	Honey bee pathogenesis posing threat to its global population: a short review. Proceedings of the Indian National Science Academy	88(1), 11-32.	2022

Seeta Dewali, Rimpy Sharma, Mokshi Sharma, Azra Naz, Vishakha Arya, Renu Gahtori, Kiran Arya, Jyoti Garjola, Anshika Tripathi, Palak Narang, Bhawana Fartyal, Kajal Bora, Deepak Kumar Arya, Satpal Singh Bisht and Netrapal Sharma	Genetics and Therapies of Mastitis in Common Milch Animals: A Review.	4(8).	2022
Sharma N, Bisht SS, Gupta S, Dewali S, Parveen N, Pant R.	Two-dimensional Gel Analysis of Total Seed Protein of Horse Gram (<i>Macrotyloma uniflorum</i>) for Identification of their Proteomic Diversity.	11(2), 335.	2022
Hemant Sharma, Seeta Dewali, Avinash Sharma, Gaytri Soni, Sunita Sharma	Medicinal plants are a role in human health diseases and the isolation of phytochemical through various methods	. 12 (1) 9–18	2022

b) Patents (start from recent publications)

Authors name	Title of the patent	Patent no (Granted or filed)	Year

c) Books (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year

d) Book chapters (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year
Seeta Dewali, Netrapal Sharma, Deepak Melkani, Mansi Arya, Neha Kathayat, Amrita Kumari Panda and Satpal Singh Bisht	Emerging Solutions in Sustainable Food and Nutrition Security.	Springer	978-3-031-40907-3.	2023
Avdhesh Kumar, Aseem Kerketta, Seeta Dewali, Netrapal Sharma, Amrita Kumari Panda, Satpal Singh Bisht	Emerging Solutions in Sustainable Food and Nutrition Security	Springer	ISBN978-3-031- 40907-3	2023
Santosh Kumar Behera, Seeta Dewali ⁺¹ ,	Computational Biology for Stem Cell Research.	Elsevier	ISBN: 9780443132223	2023

Netrapal Sharma, Satpal Singh Bisht, Amrita Kumari Panda, Sanghamitra, and Sunil Kumar				
Rashi Miglani, Nagma Parveen, Ankit Kumar, Seeta Dewali , Gaurav Rawat, Rojita Mishra, Amrita Kumari Panda and Satpal Singh Bisht	Recent advances and future perspectives of Microbial Metabolites	Academic Press	ISBN: 9780323901130	2023
Amrita Kumari Panda, Seeta Dewali, Rashi Miglani, Rojita Mishra, Surajit De Mandal, Satpal Singh Bisht	Recent advances and future perspectives of Microbial Metabolites	Academic Press	ISBN 9780323901130	2023
Amrita Kumari Panda, Rojita Mishra, Rashi Miglani, Seeta Dewali , Ankit Kumar, Shikha	Biodiversity: Threats and Conservation.	CRC Press,	ISBN: 9781003220398,	2022

Bora and Satpal Singh Bisht				
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e) Conference Publications/Proceedings (start from recent publications)

Authors name	Title of the paper	Conference name	Year
Ritu Khatri*, Divya Joshi, Anushka Shah, Shivangi Bisht, Kadambari Bisht, Ayushi Rai, Priyanshu Bisht, Tanmay Khatwal, Deepak Kumar Arya, Seeta Dewali , Deepak Chandra Melkani, Netra Pal Sharma, H.C.S. Bisht, Satpal Singh Bisht	Pharmacogenomics studies of some medicinal plants and identification of anticancer activity on animal cells.	National Conference on Trending Biotechnological Interventions to Address & Combat Himalayan Biodiversity Challenges on March 6-8, 2024	2024
Priyanshu Singh Bisht*, Tarun Khatwal, Ayushi Rai, Divya Joshi, Anushka Shah, Shivangi Bisht, Kadambari Bisht, Ritu Khatri, Pankaj Bhatt, Deepak Kumar Arya, Seeta Dewali , Deepak	Study of Common Drugs as Anti-Inflammatory Agents in Cultured Animal Cells.	National Conference on Trending Biotechnological Interventions to Address & Combat Himalayan Biodiversity Challenges on March 6-8, 2024	2024

Chandra Melkani, Netra Pal Sharma and Satpal Singh Bisht			
Kadambari Bisht*, Anushka Shah, Shiwangi Bisht, Priyanshu Singh Bisht, Ritu Khatri, Tarun Khatwal, Ayushi Rai, Divya Joshi, Pankaj Bhatt, Deepak Kumar Arya, Seeta Dewali , Deepak Chandra Melkani, Netra Pal Sharma and Satpal Singh Bisht	Study of antiaging properties of some pharmaceutical constituents on animal fibroblast cells.	National Conference on Trending Biotechnological Interventions to Address & Combat Himalayan Biodiversity Challenges on March 6-8, 2024	2024
Ayushi Rai*, Priyanshu Singh Bisht, Tarun Khatwal, Divya Joshi, Kadambari Bisht, Ritu Khatri, Anushka Shah, Shivangi Bisht, Deepak Kumar Arya, Seeta Dewali , Deepak Chand Melkani, Netra Pal Sharma,	Regenerative Medicine: A concept note on its function and importance.	National Conference on Trending Biotechnological Interventions to Address & Combat Himalayan Biodiversity Challenges on March 6-8, 2024	2024

H.C.S Bisht and Satpal Singh Bisht			
Tarun Khatwal*, Priyanshu Singh Bisht, Ayushi Rai, Divya Joshi, Kadambari Bisht, Ritu Khatri, Anushka Shah, Shivangi Bisht, Deepak Kumar Arya, Seeta Dewali , Deepak Chand Melkani, Netra Pal Sharma, H.C.S Bisht and Satpal Singh Bisht	Study of <i>Tinospora cordifolia</i> extract on melanoma cell for their anticancer properties.	National Conference on Trending Biotechnological Interventions to Address & Combat Himalayan Biodiversity Challenges on March 6-8, 2024	2024
Anushka Shah*, Ritu Kahtri, Kadambari Bisht, Divya Joshi, Shivangi Bisht, Tarun Khatwal, Priyanshu Singh Bisht, Ayushi Rai, Deepak Kumar Arya, Deepak Chandra Melkani, Netra Pal Sharma, Seeta Dewali and Satpal Singh	Identification and accessing the role of novel Quinone compounds as Anti-cancer agents on cancer cells.	National Conference on Trending Biotechnological Interventions to Address & Combat Himalayan Biodiversity Challenges on March 6-8, 2024	2024

Bisht			
Shivangi Bisht*, Divya Joshi, Kadambari Bisht, Anushka Shah, Ayushi Rai, Priyanshu Singh Bisht, Tarun Khatwal, Ritu Khatri, Pankaj Bhatt Deepak Kumar Arya, Seeta Dewali, Deepak Chandra Melkani, Netra Pal Sharma and Satpal Singh Bisht	Study of cannabis (Hemp) plant extract on animal cells for their anti-aging properties.	National Conference on Trending Biotechnological Interventions to Address & Combat Himalayan Biodiversity Challenges on March 6-8, 2024	2024
Divya Joshi*, Anushka Shah, Ayushi Rai, Shivangi Bisht, Kadambari Bisht, Ritu Katri, Priyanshu Singh Bisht, Tarun Katwal, Pankaj Bhatt, Deepak Kumar Arya, Seeta Dewali, Deepak Chandra Melkani, Netra Pal Sharma and	Hematological disorder related to milch animals and their treatment.	National Conference on Trending Biotechnological Interventions to Address & Combat Himalayan Biodiversity Challenges on March 6-8, 2024	2024

Satpal Singh Bisht			
Seeta Dewali, Netrapal Sharma, Deepak Melkani and Satpal Singh Bisht	Microbial Revolution in Aquatic Animal Health: Exploring Probiotic Potential For sustainable and Ecological Aquaculture management.	International Conference on Animal science and veterinary medicine, by VDGOOD Professional Association, India (Nov. 2023), DOI: 10.13140/RG.2.2.14991.7 6964	2023
Seeta Dewali, Seema Chauhan, Netrapal Sharma, Deepak Chandra Melkani1 and Satpal Singh Bisht	Immunomodulation and stress management by Yoga: A molecular physiological approach.	Immunomodulation and stress management by Yoga: A molecular physiological approach at: Kumaun University Nainital.	2023
Neha Kathayat, Seeta Dewali, Netrapal Sharma, Satpal Singh Bisht	Global Status of Cervical Cancer in Women's Health Management.	International Conference on Women and Health on November 2023	2023
Seeta Dewali, Netrapal Sharma, Deepak Melkani, and Satpal Singh Bisht	Microbial Revolution in Aquatic Health: Exploring Probiotic Potential of <i>Schizothorax</i> <i>richardsonii</i> Gut Microbiota from Kosi River, Uttarakhand	31 st International Conference entitled “Functional Foods and Bioactive Compounds: Modern and Medieval Approaches” on September 29 – October 1, 2023	2023
Seeta Dewali*, Netrapal Sharma, Deepak Chandra	Biochemical and molecular characterization of	3 rd international conference (IAAHAS/AB/2023/013). Pg no. 59	2023

Melkani and Satpal Singh Bisht	probiotic bacteria isolated from the gastrointestinal tract of <i>Schizothorax richardsonii</i> from Gaula River, Uttarakhand		
Seeta Dewali, Netrapal Sharma and Satpal Singh Bisht	Probiotic potential of few gut-associated bacteria of Snow trout (<i>Schizothorax richardsonii</i>) collected from Saryu River of Uttarakhand	International conference on World environment summit 2022 By Environment and Social Development Association (ESDA India) at The University of Delhi held during October 2022	2022
Seeta Dewali, Netrapal Sharma and Satpal Singh Bisht	Isolation of total buffer soluble protein from frozen fish snow-trout (<i>Schizothorax richardsonii</i>) from the highland rivers of Uttarakhand, India	International conference on humanities, science and technology at Sant Gariha Guru University Sarguja Ambikapur (C.G.) held in September 2022	2022

Projects

Title of the project	Funding agency	Amount (Rs)	Year
Biofloc innovation: Boosting aquaculture productivity with microbial biotechnology	Kumaun University, Nainital	15,00000/-	2024

in Nainital district			
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Teaching details

Name of the course/paper	Department	University	Year
Paper V – Molecular Biology	Department of Zoology	Kumaun University, Nainital	2020 to till date
Paper – I Concepts in Cell Biology and Genetic	Department of Zoology	Kumaun University, Nainital	2020 to till date
Paper – IV Biotechnology	Department of Zoology	Kumaun University, Nainital	2020 to till date
Paper-I: Microbiology, Biological Techniques Biostatistics and Bioinformatics	Department of Zoology	Kumaun University, Nainital	2020 to till date

Professional Memberships

Organization	Position	Year
VDGOOD professional association	Member	2023
JUST AGRICULTURE	Member	2023
Microbiologists Society, Maharashtra India,	Member	2022

Honours and Awards

Award	Awarding Organization	Year
Young investigator award in zoology & biotechnology	VDGOOD Professional Association, India.	2024
Honor as a resource person or Expert of the session (Programme 1: Advances, Opportunities and Challenges in Plant and Agricultural science)	National Conference on Trending Biotechnological Interventions to Address & Combat Himalayan Biodiversity Challenges on March 6-8, 2024 Organized by “Uttarakhand Council for Biotechnology” In Co-ordination with Society for Plant Research (VEGETOS) & Graphic Era Hill University, Dehradun & Directorate of Coldwater Fisheries Research, Bhimtal, Venue: Uttarakhand Council for Biotechnology, Regional Center, Patwadangar, Nainital	2024
Young Professional award	SGT University, Gurugram (Haryana).	2023
Award winner	National Institute of Pharmaceutical Education and Research (NIPER-A)	2023
Best paper award	Sant Gahira Guru Vishwavidyalaya Sarguja, Ambikapur, Chhattisgarh India.	2022

Conference Presentations

Title of presentation	Conference name	Name of the institution	Year
Microbial Revolution in Aquatic Animal Health: Exploring Probiotic Potential For sustainable and Ecological	International Conference on Animal science and veterinary medicine,	VDGOOD Professional Association	2023

Aquaculture management.			
Immunomodulation and stress management by Yoga: A molecular physiological approach.	International Conference on Women and Health	Kumaun University Nainital.	2023
Biochemical and molecular characterization of probiotic bacteria isolated from the gastrointestinal tract of <i>Schizothorax richardsonii</i> from Gaula River, Uttarakhand	3 rd international conference	IAAHAS	2023
Probiotic potential of few gut-associated bacteria of Snow trout (<i>Schizothorax richardsonii</i>) collected from Saryu River of Uttarakhand	International conference on World environment summit 2022	Environment and Social Development Association (ESDA India) at The University of Delhi.	2022
Isolation of total buffer soluble protein from frozen fish snow-trout (<i>Schizothorax richardsonii</i>) from the highland rivers of Uttarakhand,	International conference on humanities, science and technology	Sant Gariha Guru University Sarguja Ambikapur (C.G.)	2022

India			
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Signature of the faculty member