

❖ **Profile Summary**

Dr. Arunima Paliwal is an award-winning Junior Agronomist (SS) and educator with 9.5 years of experience in agronomic research, academic instruction, and government extension services. A Ph.D. (NET) graduate from G.B.P.U.A&T, Pantnagar, she specializes in hill agriculture, having developed 5 distinct technologies, trained hundreds of farmers, and guided 10 researchers as a major advisor. Recognized with the Young Women Scientist and Uttarakhand Icon awards, she is a prolific researcher with 6 books and 39 peer-reviewed papers to her credit. Alongside her research, she brings strong institutional leadership to university governance, currently serving as a Hostel Warden and a member of key administrative committees, including the Disciplinary Board and Board of Studies.



❖ **Recent Publications** (Scientific publications in last five years)

S. N	Title of Paper	Journal	Year of publication
1	Approaches for Fertility Management in Legume-based Cropping Systems: A Review.	<i>Legume Research</i>	2026
2	Atmospheric plasma exposure strengthens germination, seedling vigour and enzymatic activity for improved wheat establishment.	<i>Plant Science Today.</i>	2026
3	Quinoa (<i>Chenopodium quinoa</i> Willd.) Growth Dynamics and Yield under Varied Geometry and Fertility Levels.	<i>Bhartiya Krishi Anusandhan Patrika.</i>	2026
4	Assessment of nanoparticle spray effects on lentil seed quality.	<i>International Journal of Research in Agronomy</i>	2026
5	Rediscovering Buckwheat: A Review on its Restorative Capacities.	<i>J. Agri. Horti. Res.</i>	2025

6	Lentil behavior following foliar nano particle application: implications for plant growth and development.	<i>Proc. Indian Natl. Sci. Acad.</i>	2025
7	Quinoa's (<i>Chenopodium quinoa</i> Willd.) Nutraceutical Properties and Traditional Lore.	<i>Environ. Ecol.</i>	2024
8	Optimization of Nano-DAP Fertilization for Improvement in Growth and Yield of Finger Millet (<i>Eleusine coracana</i> (L.) Gaertn.).	<i>J. Adv. Biol. Biotechnol.</i>	2024
9	Growth and Economic Return of Quinoa (<i>Chenopodium quinoa</i> Willd.) under Different Plant Spacing and Fertility Conditions.	<i>J. Exp. Agric. Int.</i>	2024
10	Evaluation of seed vigour tests to predict field emergence potential of finger millet [<i>Eleusine coracana</i> (L.) Gaertn.] and barnyard millet [<i>Echinochloa frumentacea</i> (Roxb.) Link.] varieties.	<i>Int. J. Agri., Environ. and Biotech.</i>	2023
11	Agronomic and genetic performance of quinoa (<i>Chenopodium quinoa</i>) genotypes in rainfed conditions of Garhwal Hills of Uttarakhand.	<i>The Pharma Innovation Journal.</i>	2022
12	Productivity and Economics of Intercropping of Finger Minger (<i>Eleusine coracana</i>) and Amaranth (<i>Amranthus</i> spp.) in Rainfed Hills of Uttarakhand.	<i>International Journal of Bioresource and Stress Management.</i>	2022
13	Performance of Little Millet (<i>Panicum sumatrense</i>) Varieties Under Different Fertility Level in Rainfed Conditions of Uttarakhand Hills.	<i>Int. J. Agri., Environ. and Biotech.</i>	2022
14	Bio-efficacy of nicosulfuron against mixed weed flora in maize and its residual effect on succeeding crops.	<i>Indian Journal of Weed Science.</i>	2022

15	Evaluation of yield and yield related traits of grain amaranth (<i>Amaranthus</i> spp.) accessions in Garhwal hills of Uttarakhand.	<i>International Journal of Economic Plants.</i>	2022
16	Productivity and profitability enhancement in grain amaranth (<i>Amaranthus hypochondriacus</i> L.) through use of sulphur fertilization in hilly region of Uttarakhand.	<i>The Pharma Innovation Journal.</i>	2022
17	Assessment of Herbicidal effect on the Seed Quality of Finger Millet (<i>Eleusine coracana</i> (L) Gaertn.).	<i>Biological Forum – An International Journal.</i>	2022

❖ **Education**

Qualification/ Degree	Title of Project/ Thesis/ Dissertation	Year of completion
Post Graduation	Response of mustard (<i>Brassica juncea</i> L.) Czernj. & Cosson) to potassium in combination with other nutrients	2013
Ph.D.	Weed dynamics and management in rice-wheat system under conservation agriculture practices	2017

❖ **Work History (Professional Experiences)**

Post held	Nature of Employment	Employer's Address	Period of Employment	
			From	To
Junior Agronomist (Level 11)	Regular	College of Forestry, Ranichauri, Tehri Garhwal- 249199, V.C.S.G. Uttarakhand University of Horticulture and Forestry Bharsar, Pauri Garhwal, Uttarakhand, India	09.03.2022 to Continue	
Junior Agronomist	Regular	College of Forestry, Ranichauri, Tehri Garhwal- 249199, V.C.S.G. Uttarakhand University of Horticulture and Forestry, Bharsar, Pauri Garhwal, Uttarakhand, India	09.03.2018 to 08.03.2022	
Assistant Agriculture Officer-3	Regular	Krishi Aivm Bhumi Sanrakshan Adhikari, Ranikhet	01.08.2017 to 05.03.2018	
Senior Research Fellow	Regular	Department of Agronomy, College of Agriculture, G.B. Pant University of Agriculture & Technology, Pantnagar	18.03.2017 to 18.07.2017	

Seed Production Research Officer cum Manager	Regular	Tarai Farm Seeds & Co., Vill. Chinki (Gidhpuri), Kichha (U.S. Nagar), Uttarakhand	16.02.2015 to 20.07.2015
Assistant Professor	Temporary	Department of Agriculture and Forestry, Mewar University, Gangrar (Chittorgarh), Rajasthan, India	02.08.2014 to 14.02.2015

❖ **Administrative Experience**

Duration	Post	Organization	Nature
28.09.2024 to continue	Hostel Warden, Gaura Devi Hostel	College of Forestry, Ranichauri	In- Charge
09.04.2025 to 20.08.2026	In-charge, Store	College of Hill Agriculture, Chirbatiya, Camp at Ranichauri	In- Charge
30.05.2024 to 09.01.2026	In-charge, Vegetable Research Block	College of Forestry, Ranichauri	In- Charge
10.07.2023 to 23.09.2024	Assistant Warden, Girls Hostel	College of Forestry, Ranichauri	In- Charge
22.09.2021 to 20.02.2022	Co-coordinator RAWES B.Sc. (Hons.) Agriculture	College of Hill Agriculture, Chirbatiya, Camp at Ranichauri	In- Charge
14.08.2018 to 11.02.2020	Warden, Ganga Hostel	College of Forestry, Ranichauri	In- Charge

❖ **Thesis Supervision**

S. No.	Student Name	Degree	Year of Award	University	Thesis Title
1.	Rahul Rana	M.Sc. (Ag.) Seed Science and Technology	2020	Veer Chandra Singh Garhwali	Response of sulphur on growth, seed yield and seed quality of Grain Amaranth (<i>Amaranthus hypochondriacus</i> L.)
2.	Abhishek Thakur		2022	Uttarakhand University of	Foliar application of nano scale zinc and copper to enhance plant growth, yield and seed quality of lentil (<i>Lens culinaris</i> Medic.)

3.	Ashok Kumar	M.Sc. (Ag.) Agronomy	2023	Horticulture and Forestry, Bharsar	Evaluation of different lots of Chia (<i>Salvia hispanica</i> L.) genotypes to assess the seed quality and its enhancement
4.	Aditya Raj Bisht				Response of promising adzuki bean (<i>Vigna angularis</i>) genotypes to different fertility levels
5.	Pratiksha Raj				Seed quality of quinoa (<i>Chenopodium quinoa</i> Willd.) influenced by the geometry and fertility levels
6.	Shifa Rayeen		2024		Agro-morphological and biochemical assessment in buckwheat (<i>Fagopyrum</i> spp.) germplasm
7.	Manju Panwar		2025		Qualitative and quantitative study of Amaranth (<i>Amaranthus</i> spp.) accessions
8.	Richa Chand		2026		Morphometric and qualitative evaluation of finger millet (<i>Eleusine coracana</i> L. Gaertn) germplasms in mid-hills of Himalayas
9.	Babita Lohani				Yield and quality dynamics in buckwheat (<i>Fagopyrum esculentum</i> Moench) under progressive sowing approaches in Mid-hills of Himalayas
10.	Sargam				Studies on paired rows intercropping of different crops with grain amaranth (<i>Amaranthus hypochondriacus</i> L.) in mid hills of Himalayas

❖ **Professional Activities**

Activity/ Membership	Organization	Since
Life Membership	Indian Society of Weed Science, DWR, Jabalpur	2017
Life Membership	Agricultural Technology Development Society (ATDS), Ghaziabad, UP	2019
Life Membership	Trends in Biosciences by DSAS&RD	2020
Life Membership	Advances in Life Sciences by DSAS&RD	2020
Life Membership	Institute of Scholars (InSc)	2020

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Life Membership	Advances in Life Sciences by DSAS&RD	2020
Life Membership	Indian Society of Agronomy, New Delhi	2021
Life Membership	International Journal of Economic Plants	2022
Life Membership	Indian Society of Agriculture Science & Technology Research (ISASTR), Noida, India	2024

❖ **Awards/Achievements**

Name of Award/ Fellowship/ Recognition	Organization	Year
PPIC Scholarship	G.B. Pant University of Agriculture & Technology, Pantnagar	2011-12
Young Scientist Award	Agricultural Technology Development Society (ATDS)	2019
Best Article Award	Agriculture & Food: e-Newsletter	2019
Best Article Award	Agriculture & Food: e-Newsletter	2020
Young Achiever Award	Institute of Scholars	2020
Excellent Teacher Icon Award	Uttar Pradesh World Records (UPWR)	2020
Certificate of Excellence in Reviewing	Journal of Scientific Research and Reports	2020
Best Article Award	Agriculture & Food: e-Newsletter	2020
Uttarakhand Icon Award	UK World Records (UKWR)	2020
2 nd rank for group project entitled “Relationship between Bio-geo Chemistry and Soil Quality” at three week Online National Certificate Course on “Soil Management for Climate Smart Agriculture”	MPKV, Rahuri	2021
Young Agronomist Award	Agricultural & Environmental Technology	2021

	Development Society (AETDS)	
Young Investigator Award	Scientific Educational Research Society (SERS)	2021
Young Women Scientist Award	Just Agriculture Eductaion Group & ISASTR, Noida	2024

❖ **Publications**

Total number of Research Papers	39
Total number of Papers presented in various conferences/symposium etc.	12
Books	06
Book chapters	26
Popular articles	40
Technical bulletins	21
Souvenir	53