Curriculum Vitae

	**Dr. PardeepKumar** **Principal Scientist,DepartmentofSoilScience,College of Agriculture,CSK HPKV, Palampur** Email: drpardeep1968@gmail.com, pardeep1968@hillagric.ac.in Phone:8894439999,9418121828(M)
Date & Place of Birth	9th December, 1968 (Bilaspur, Himachal Pradesh)
Field of Specialization & Research Interest	Soil Fertility & Chemistry (Micronutrients Research)
Academic Qualification	Ph.D. (Soil Science)
Employment Record along with Professional Experience (in years)	**Assistant Scientist** (Soil Science), CSKHPKV Palampur (9 years); **Sr. Scientist** (Soil Science), CSKHPKV Palampur (6 years); **Professor** (Soil Science), CSKHPKV Palampur (>10 years).
Research Projects Handled	As PI (08) As Co-PI (13)
Research Publications	Total publications = 85
	Best five Publications: **1. Pardeep Kumar**, Liming Lai, Martín Leonardo Battaglia, Sandeep Kumar, Vance Owens, John Fike, John Galbraith, Chang Oh Hong, Rodney Farris, Ryan Crawford, Jamie Crawford, Julie Hansen, Hilary Mayton, and Donald Viands. 2019. Impacts of nitrogen fertilization rate and landscape position on select soil properties in switchgrass field at four sites in the USA. ***Catena*** 180: 183-193.10.1016/j.catena.2019.04.X028. **(NAAS Rating: 12.37).** **2**. Nagender Pal Butail, **Pardeep Kumar**, Arvind Kumar Shukla, Sanjib Kumar Behera, Munish Sharma, Praveen Kumar, Upinder Sharma, P.N. Takkar, Ch. Srinivasa Rao, Vivek Trivedi, Soumitra Das and Andrew Green. 2022. Zinc dynamics and yield sustainability in relation to Zn application under maize-wheat cropping on TypicHapludalfs. ***Field Crops Research.*** *10.1016/j.fcr.2022.108525***(NAAS Rating: 12.15).** **3**.Inder Dev, Asha Ram, SudeshRadotra, V.K. Mishri, Sindhu Sareen, **Pardeep Kumar**, Deepak Singh, Sushil Kumar, Naresh Kumar and Ramesh Singh. 2021. Cereal clover for sustainable forage production in the Himalayan Region. ***European Journal of Agronomy.*** 10.1016/J.eja.2021.126354..**(NAAS Rating: 11.72).** **4**. **Pardeep Kumar** and Pradeep K. Sharma**.2020.** Soil Salinity and Food Security in India.***Frontiers in Sustainable Food Systems****. Doi. 10. 3389/fsufs.2020.53378***(NAAS Rating: 11.01).** **5**. Praveen Kumar, Munish Sharma, Nagender Pal Butail, Arvind Kumar Shukla and **Pardeep Kumar. 2023.** Spatial variability of soil properties and delineationof management zones for Suketi basin, Himachal Himalaya,India.***Environment, Development and Sustainability***https://doi.org/10.1007/s10668-023-03181**(NAAS Rating: 10.08).**
Books/Manuals	BookChapter:1;Mannual:2;Bulletins:2
Conference/seminar/symposium papers	24
Extension activity	Deliveredabout250lectures.Pamphlets:8
Students Guided	M.Sc. = 13(completed), 1(continuing)}; {Ph.D. = 1(completed), 5(continuing)}
Awards/Fellowships	• **S.N. Ranade Memorial Award for Senior Scientist.** MICNELF Micronutrients Pvt. Ltd. Pune, Maharashtra (2020). • **Letter of Appreciation.**ICAR-Indian Institute of Soil Science, Bhopal (2020). • **Certificate of Appreciation, Director of Research,** CSK HPKV, Palampur (2015).

	• **Certificate of Appreciation,**Dean PGS, CSKHPKV, Palampur (2012). • **Outstanding Scientific Contributions Award.** ICAR-Indian Institute of Soil Science, Bhopal (2017). • **Certificate of Appreciation.** AICRP on MSPE, ICAR-IISS, Bhopal (2023). • **Appreciation Certificate,** Dean, PGS, CSKHPKV, Palampur (2023). • **Best Publication Award** for "Spatial variation in heavy metal contamination in roadside soil from hilly terrain of Northwestern Himalaya" by Parmar, DK., Khatkar, A., Kumar, P., Kumar, P., Sharma, M. and Butail, NP. Given by Society for Advancement of Human and Nature (SADHNA) UHF Solan. • **Appreciation letter** by The Head, Department of Soil Science for the diligent efforts in to establishing the NFL Professor Chair-Soil Science and dedicated work for fencing the farm area. • **Second prize in oral presentation** on "Geospatial mapping of soil micronutrients for augmenting quality of weather based agroadvisory in agricultural production system in Himachal Pradesh" by NK Sankhyan, Ranbir Sigh Rana, Anjali, Pardeep Kumar, Sanjay Kumar Sharma and VaibhavKalia in the National Seminar on "Agrometeorological Interventions for Enhancing Farmers' Income" held at College of Horticulture, Kerala agricultural University, Thrissur January 20-22, 2020.
International exposure/ Visits abroad	USA(SouthDakotaStateUniversity)asResearchAssociate1for5months(Jan.21,2018toJune20,2018).

Miscellaneous achievements/ activities:

- Incharge, AICRP on "Micro and secondary nutrients and pollutant elements in soils and plants".
- Professor NFL Chair-Soil Science
- Prepared GPS based block level soil fertility maps of Himachal Pradesh
- Established fully equipped micronutrient laboratory.
- ***Preparation of Secondary and Micro-nutrient Atlas of Himachal Pradesh*** **(ISBN 978-93- 5321-221-6):**
- ***Standardized management of Zn fertilizer*** in the predominant cropping system i.e. maize-wheat in acidic soils of Himachal Pradesh.
- ***Standardized management of B fertilizer***
- ***Optimized B and Mo nutrient dose*** for cauliflower in acidic soils of Himachal Pradesh.**Evaluated different sources of *Zn and B*** in comparison to the novel product (metalosate) for enhancing their ***use efficiency*** in apple, cauliflower, okra and potato
- ***Identified micronutrient efficient genotypes*** for zinc agronomic biofortication of okra and cauliflower, broccoli.
- ***Evaluated Mineral gypsum*** assulphur source in enhancing the crop yields of toria, pea, mash and paddy .
- Developed **IPNS based fertilizer equations** for pea, potato, okra and French-bean.