

BRIEF BIO-DATA



Name	:	Dr. Anil K. Choudhary
Designation	:	Principal Scientist (Agronomy)
Division	:	Division of Crop Production
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Education: (Ph.D/MSc./Gradation):

S.N.	Institution/ University	Degree Awarded	Year	Discipline
1	Himachal Pradesh Krishi Vishvavidyalaya, Palampur (HP)	B.Sc. (Agriculture)	1996	Agricultural Sciences
2	Himachal Pradesh Krishi Vishvavidyalaya, Palampur (HP)	M.Sc. (Agronomy)	1998	Agronomy
3	CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur (HP)	Ph.D. (Agronomy)	2003	Agronomy

Position and Employment (Starting with the most recent employment):

S. No.	Institution Place	Position/ Designation	Department/ Division	From (date)	To (date)
1	ICAR-Central Potato Research Institute, Shimla (HP)	Principal Scientist (Agronomy) in PB-4/Pay Level-14	Division of Crop Production	17-01-2020	Continue
2	ICAR-Indian Agricultural Research Institute, New Delhi	Principal Scientist (Agronomy) in PB-4/Pay Level-14	Division of Agronomy	16-10-2018	16-01-2020
3	ICAR-Indian Agricultural Research Institute, New Delhi	Senior Scientist (Agronomy) in PB-4, Pay Level 13A	Division of Agronomy	16-10-2015	15-10-2018
4	ICAR-Indian Agricultural Research Institute, New Delhi	Senior Scientist (Agronomy) in PB-3/Pay Level-12	Division of Agronomy	16-10-2012	15-10-2015
5	CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur (HP)	Assistant Scientist (Agronomy) in PB-3/Pay Level-10	Farm Science Centre, Sundernagar (HP)	07-04-2006	15-10-2012

Major Area of Research:

- **Cropping Systems' Research & Crop Diversification**
- **Integrated Crop Management & Ecosystem-Services Auditing**
- **Crop Modeling, Precision Agriculture & Abiotic Stress Management**
- **Soil Microbiome Engineering, Plant Nutrition & Soil Health Management**

List of 5-7 best research papers:

1. Shrivastava, V.L., **Choudhary, A.K.**, Hariprasad, P., Sharma, S. 2024. Transmission of antibiotic resistance through organic amendments in arable land: A 3-year field study with pigeonpea-wheat cropping system. **Journal of Hazardous Materials** 472:134378. <https://doi.org/10.1016/j.jhazmat.2024.134378>. **[IF-2022: 13.60; NAAS-2024: 19.60]**.
2. Kumar, A. and **Choudhary, A.K.*** 2023. Food-energy-carbon nexus of Himalayan okra-pea cropping system: Impacts of AM-fungi, precision phosphorus and irrigation regimes in an acid Alfisol. **Science of the Total Environment**, 899:165589, <https://doi.org/10.1016/j.scitotenv.2023.165589>. **[IF-2023: 9.80; NAAS-2024: 15.80]**.
3. Verma, G., Dhaka, A.K., Singh, B., Kumar, A., **Choudhary, A.K.***, Kumar, A. et al. 2024. Productivity, soil health, and carbon management index of soybean-wheat cropping system under double zero-tillage and natural-farming based organic nutrient management in north-Indian plains. **Science of the Total Environment** 917:170418. DOI:org/10.1016/j.scitotenv.2024.170418. **[IF-2022: 9.80; NAAS-2024: 15.80]**.
4. Kumar, A., Rana, K.S., **Choudhary, A.K.*** et al. 2021. Energy budgeting and carbon footprints of zero-tilled pigeonpea-wheat cropping system under sole or dual crop basis residue mulching and Zn-fertilization in a semi-arid agro-ecology. **Energy** 231:120862. **[IF-2022: 9.00; NAAS-2024: 15.00]**.
5. Rajpoot, SK., Rana, D.S., **Choudhary, A.K.*** 2021. Crop and water productivity, energy auditing, carbon footprints and soil health indicators of *Bt*-cotton transplanting led system intensification **Journal of Environmental Management** 300:113732. **[IF-2022: 8.70; NAAS-2023: 14.70]**.
6. Bhupenanchandra, I., Chongtham, S. K.,Gangarani, A., Dutta, P., Lamalakshmi, E., Mohanty, S., **Choudhary, A.K.**, Konsam, S. et al. 2024. Harnessing weedy rice as functional food and source of novel traits for crop improvement. **Plant, Cell & Environment**, 14868: 1–24. <https://doi.org/10.1111/pce.1486824>. **[IF-2022: 7.30; NAAS-2024: 13.30]**.
7. **Choudhary, A.K.*** and Rahi, S. 2018. Organic cultivation of high yielding turmeric (*Curcuma longa* L.) cultivars: A viable alternative to enhance rhizome productivity, profitability, quality and resource-use efficiency in monkey-menace areas of NW-Himalayas. **Industrial Crops and Products** 124:495-504. DOI: <https://doi.org/10.1016/j.indcrop.2018.07.069>. **[IF-2022: 5.90; NAAS-2023: 11.90]**.