

Curriculum Vitae  
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**ARSHDEEP SINGH**

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**SPECIALIZATION:** Agricultural Economics

**DESIGNATION:** PhD Research Scholar (PAU);  
ICSSR Research Fellow

**DATE OF BIRTH:** March 17, 1995

**CITIZENSHIP:** Indian

**LANGUAGES:** English, Punjabi and Hindi

**EDUCATION**

<b><u>Institution</u></b>	<b><u>Qualification</u></b>	<b><u>Year</u></b>
• Punjab Agricultural University, Ludhiana-141004, Punjab, India	Ph.D. in Agricultural Economics	2019 to 2023*
• CSK Himachal Pradesh Krishi Vishav Vidyala, Palampur, Himachal Pradesh, India	M.Sc. (Agriculture) in Agricultural Economics	2017-2019
• Punjab Agricultural University, Ludhiana-141004, Punjab, India	B. Sc. (Agriculture)	2011-2017

*\*Thesis defended*

**TITLE OF DOCTORAL THESIS**

- MAIZE PRODUCTION IN PUNJAB: COMPETITIVENESS AND FUTURE OUTLOOK

**TITLE OF MASTER THESIS**

- MECHANISMS OF INSTITUTIONAL ARRANGEMENTS AND ECONOMICS OF MAIN ORGANIC CROPS IN CHAMBA DISTRICT OF HIMACHAL PRADESH

**FELLOWSHIPS, AWARDS and HONORS**

- Awarded with the Outstanding Master Thesis Award (Agricultural Economics) by Agricultural & Environmental Technology Development Society (AETDS) at 5<sup>th</sup> International Conference on Climate Change and Its Impact (CCI 2023).
- Awarded with Best oral presentation award (3<sup>rd</sup> Prize) at Regional Conference on at Specialty Agriculture in the Context of Farm Economy of Himalayan Region from 21-22 September 2022, organized by Indian Society of Agricultural Economics (ISAE), Mumbai
- Awarded with Best poster Presentation (1<sup>st</sup> Prize) at International Web Conference Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020), 4-6 October 2020
- Awarded with ICSSR Doctoral Fellowship 2022-23
- Awarded with Punjab State Mandi Board Scholarship from 2011 to 2017

**FIELDS OF INTEREST**

- Climate change, climate variability, climate resilience and impact of climate change on crop productivity
- GHG emissions, carbon footprint, carbon budgeting, water footprint
- Agricultural Marketing, marketing channels and system, value chain analysis
- Economics of agriculture & allied activities and Labour utilization & productivity
- Sustainable agrifood system (SAS), organic farming, sustainable agriculture system,
- Sustainable water management and water scarcity
- Agricultural policy evaluation

## **PROFESSIONAL SERVICES**

- Peer reviewer: Cogent Food & Agriculture and China Agricultural Economic Review
- Life Member, Society of Economics and Development
- Life Member, Indian Association of Hill Farming
- Life Member, Society of Extension Education

## **ACTIVITIES AND COMMITTEES**

- Chairman, Hostel No. 7, PAU, 2021 to 23
- Mess Manager, Hostel No. 7, PAU, 2021 to 23
- Member of Mess committee, Hostel No. 7, PAU, 2020-21
- Manager of canteen committee, Hostel No. 7, PAU, 2020-21
- Mess Manager, Shivalik PG hostel, CSK HPKV, October 2018
- Organizing Committee, Conference on Doubling the Farmers' Income: Challenges and Strategies (April 23-24, 2018), CSK HPKV, Palampur
- Coordinator of all committees, Hostel No.1, PAU, 2016-17
- Team leader, Rural Agricultural Work Experience Programme (RAWE), Punjab Agricultural University, Ludhiana, 2016-17
- Group Leader of Practical Crop Production, PAU, 2015-16
- Class Representative, PAU, 2013-17

## **SPORTS ACTIVITIES**

- Winner of Inter-college Handball tournament, PAU, 2013, 2014, 2015, 2016
- Represented PAU Handball Team in Inter-Varsity tournament in 2015.

## **Computer Skills & Research softwares**

- MS Office and Statistical packages like R, RStudio, Stata, SPSS, EViews and FAO-CROPWAT 8.0

## **PUBLICATIONS**

### **JOURNAL ARTICLES**

1. Singh P, Thakur R K and **Singh A**. 2023. Profitability and resource-use efficiency in vegetable cultivation in Hamirpur district of Himachal Pradesh. **Agricultural Research Journal**. 60(4): 621-626.
2. **Singh A** and Thakur RK. 2022. Profitability, resource use efficiency and technical efficiency of organic crops in Himachal Pradesh, India. **International Journal of Environmental Studies**. 80(5): 1248-1258.
3. Saini R, Kaur M, Singh R, Arora K, Singh G, Kaur G, Singh S, **Singh A** and Singh D. 2022. Understanding sustenance of small farm holders: A study of income equality among farm households in Indian Punjab. **Sustainability**. 14: 13438
4. **Singh A** and Singh S. 2022. Factors affecting the production of major pulse crops in Madhya Pradesh. **Journal of Crop and Weed**. 18(3): 1-7.
5. **Singh A** and Thakur R K. 2022. Economic assessment and labour utilization of organic kidney beans and black gram. **Indian Research Journal of Extension Education**. 22(2): 44-50.
6. **Singh A** and Thakur R K. 2022. Understanding the perception, constraints and reasons for the adoption of organic farming. **Indian Research Journal of Extension Education**. 22(5): 110-117.
7. **Singh A** and Thakur R K. 2022. Status of organic farming and economics of organic vegetable cultivation in Himachal Pradesh under *Prampragat Krishi Vikas Yojana* (PKVY). **Indian Journal of Hill Farming**. 35(1): 123-130.
8. **Singh A**, Thakur R K, Mehta K and Singh S. 2022. Economic viability of organic crops in Himachal Pradesh. **Journal of Community Mobilization and Sustainable Development**. 17(1): 1-8.
9. Singh P, Thakur R K and **Singh A**. 2021. Changing dynamics of cropping pattern and constraints perceived by the vegetable growers in Himachal Pradesh. **Indian Journal of Economics and Development**. 17(4): 810-820.

### **BOOK CHAPTER**

1. Singh A and Singh A. 2021. Status of production, availability and strategies for the promotion of organic inputs in India. Hassan W, Rohman, M, Mehjabeen and Panja P. (eds) In: Hi-tech production and pest management. Pp 169-177. Biotech books, New Delhi, India.
2. Singh A, Singh A and Singh H. 2022. Mulch as a Resource Saving Technique in the Modern Agriculture. Sanjay-Swami; Hassan W. (eds) In: Advances in Climate-Smart Agriculture. Pp 1-15. Vital Biotech Publication, New Delhi, India.

### **Manuscripts Under Review**

1. Trends and determinants of total factor productivity in Potato: evidence from India
2. Addressing the long-term and short-term impact of climate change on rice production in India
3. Climate change and Cereal production nexus in India: Empirical evidence from the ARDL modelling approach.
4. Assessment of reference crop evapotranspiration for the Punjab, India
5. Assessment of farm labour productivity in Punjab's Major Crop Cultivation

### **WORKS/PROJECTS UNDERWAY**

- Assessing the impacts of climatic and technological factors on wheat production: Empirical evidence from India
- Growth Trends and Decomposition Analysis of maize in major states of India
- Cost, Return and Profitability Structure of maize cultivation in major states of India
- Analyzing Maize vs. Paddy Profitability in Punjab: Is Maize a Viable Diversification Option?
- Carbon footprint of major crop cultivation in Punjab, India
- Water footprint of major crop cultivation in Punjab, India
- Environmental Impact Quotient of pesticides usage in crop production in Punjab, India
- Mapping Maize Value Chains in Punjab

### **TRAININGS ATTENDED**

- Participated in 3-day Workshop on International Workshop on “Climate Change and Agriculture: Analytical Methods and Policy Option”, from 17-19 January 2023 organized by the Centre for Agricultural and Rural Development Studies (CARDS), Tamil Nadu Agricultural University, Coimbatore, India in collaboration with International Food Policy Research Institute (IFPRI), Washington D.C., USA and Economic Research Institute for ASEAN and East Asia (ERIA), Indonesia
- Participated in 7-days online training program on “Application of R-Software for Social Science” Organized by the Department of Agricultural Economics, Acharya N G Ranga Agricultural University, from 14-20, November 2022.
- Participated in 10-day online training program on “Time Series Techniques for Forecasting in Agriculture” from 1-10 December 2021 organized by NAHEP-CAAST, ICAR-IARI.
- Attended one-week online Faculty Development Program (FDP) on "Data Analysis using Statistical Tools", organized by Jaypee Business School, a constituent of Jaypee Institute of Information Technology, Noida from 13-18 September 2021.
- Participated in the Online Orientation Programme on “J-Gate and CMIE Database” on 16-17 July 2021 at Centre for Agricultural Market Intelligence, Anand Agricultural University, Anand.
- Attended the online training program on “Climate change, impact, assessment and mitigation in Agriculture” held during 4-6 January 2021 organized by Department of Climate Change and Agricultural Meteorology, Punjab Agricultural University, Ludhiana
- Participated in 7-day Online National Training on "Strategic Plan to Double Farm Income through Protected Cultivation of Vegetable Crops organized by Centre for Advanced Agricultural Science and Technology (CAAST) on Protected Agriculture & Natural Farming, CSKHPKV, Palampur, under the aegis of World Bank & Indian Council of Agricultural Research (ICAR), New Delhi jointly funded NAHEP project held w.e.f. 31-08-2020 to 07-09-2020.
- Attended the National Training on “Research Methodology for Social Sciences” event organized by NAHEPCAAS, AAU, Anand from 1-11, September 2020.

## **CONFERENCES/SEMINARS**

- 5<sup>th</sup> International Conference on "Climate Change and Its Impact (CCI 2023)" organized by Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST-K) Srinagar, J&K from 9-11 June 2023.
- 26<sup>th</sup> Punjab Science Congress (National Conference) on “Environment, Food Security and Health with Respect to Climate Change” being organized by Sri Guru Granth Sahib World University, Fatehgarh Sahib (Punjab) under the aegis of Punjab Academy of Sciences, Patiala on February 7-9, 2023.
- Regional Conference on at Specialty Agriculture in the Context of Farm Economy of Himalayan Region from 21-22 September 2022, organized by Indian Society of Agricultural Economics (ISAE), Mumbai.
- Scientific Intervention to Address Challenges for Sustainable Buffalo Production from 10-11 December, 2021 organized by National Symposium of Indian Society for Buffalo Development (ISBD) and Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana.
- International e-conference on “Economic Valuation of Ecosystem Services (EVES 2021)” organized by the Department of Agricultural Economics, Faculty of Agriculture, Annamalai University on 17 September 2021 sponsored by National Academy of Biological Sciences (NABS) and DST Purse – II.
- 7<sup>th</sup> India Maize Summit 2021, Virtual Event, April 15-16 2021 organised by The Federation of Indian Chambers of Commerce & Industry (FICCI), New Delhi.
- International Web Conference Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020), 4-6 October 2020.