

## Curriculum Vitae

January 2023

### **ARSHDEEP SINGH**

Email: [arshdeep.singh.khosa1@gmail.com](mailto:arshdeep.singh.khosa1@gmail.com); [Arshdeep-1959005@pau.edu](mailto:Arshdeep-1959005@pau.edu)

**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 till date  |
| • CSK Himachal Pradesh Krishi Vishav Vidyalaya, Palampur, Himachal Pradesh, India | M.Sc. (Agriculture) in Agricultural Economics | 2017-2019          |
| • Punjab Agricultural University, Ludhiana-141004, Punjab, India                  | B. Sc. (Agriculture)                          | 2011-2017          |

### **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.

### **WORKS/PROJECTS UNDERWAY**

- Assessment of reference crop evapotranspiration for the Punjab, India
- Climate change and Cereal production nexus in India: Empirical evidence from the ARDL modelling approach.
- Addressing the long-term and short-term impact of climate change on rice production in India
- Assessing the impacts of climatic and technological factors on wheat production: Empirical evidence from India
- Carbon footprint of crop production in Punjab, India
- Water footprint of crop production in Punjab, India
- Environmental Impact Quotient of pesticides usage in crop production in Punjab, India

### **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 NAHEPCAASST, AAU, Anand from 1-11, September 2020.

### **CONFERENCES/SEMINARS**

- ISBD
- Regional Conference on 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
- 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.

- International Web Conference Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020), 4-6 October 2020.

### **WEBINAR**

- Attended Webinar on “Remote Sensing and Machine Learning Technology for Precision Farming” on 29 November 2021 organized by the Dept. of Basic Sciences and Humanities, B A college of Agriculture, AAU under Platinum Jubilee celebration of B A college of agriculture in collaboration with the Centre for Agricultural Market Intelligence, NAHEP-CAAST, AAU, Anand.
- Participation in the Webinar on "Startup Opportunities in Indian Fishery Sector organized by Centre for Agricultural Market Intelligence, AAU, Anand on 10th March, 2021.
- Participated in the Webinar on "Technical Writing" on 16-17 October 2020 organized by Centre for Agricultural Market Intelligence, AAU, Anand.
- Participated in the National Webinar “Market Intelligence & Export Potential in Horticulture Sector” organized by Department of Social Science, College of Horticulture, Sardarkrushinara Dantiwada Agricultural University, Jagudan held on 14 October 2020.
- Participation in the Webinar on "International trade on Agricultural Commodities" from 21-23 September 2020 organized by Centre for Agricultural Market Intelligence, AAU, Anand.
- Participation in the Webinar on "Market Dynamics in Poultry Sector: Perspectives and Challenges" from 17-18 September 2020 organized by Centre for Agricultural Market Intelligence, AAU, Anand.
- Attended the National Webinar on “Innovative Techniques in Agriculture” held on August 07, 2020 organized by Post Graduate Department of Agriculture, Khalsa College Patiala.
- Participated in the Webinar on ‘Farmer Producer Organizations and Commodity Markets' organized by Centre for Agricultural Market Intelligence, NAHEP-CAAST, AAU, Anand dated 27-28 July 2020.
- Participated in the Two-day Webinar on "Agricultural Market Reforms & Market Intelligence" on 7-8 July 2020 organized by Centre for Agricultural Market Intelligence, NAHEP-CAAST, AAU, Anand.
- Participated in the two-day Webinar on "Fishery Business Eco-System in India" on 22-23 June 2020 organized by Centre for Agricultural Market Intelligence, NAHEP-CAAST, AAU, Anand.
- Participated in the Two days Webinar on “Impact of COVID-19 on Dairy & Food Processing Sector” on 16-17 June 2020 organized by Centre for Agricultural Market Intelligence, NAHEP-CAAST, AAU, Anand.
- Participated in the Webinar on “eNAM: Challenges and Prospectus” on 10-17 June 2020 organized by Centre for Agricultural Market Intelligence, NAHEP-CAAST, AAU, Anand.
- Attended 20-day online webinar series on “Quantitative Methods for Social Sciences” from 1st June to 23rd June 2020 organized by ICAR-National Institute of Agricultural Economics and Policy Research, New Delhi.