

Sukhwinder Singh

School of Natural Resources and Environment, 440, Church Street, Dana Building, University of Michigan, Ann Arbor, MI 48109-1041
Telephone: 734-764-2550 Email: sukhrec@yahoo.com

Profile Summary

A highly motivated and enthusiastic agricultural sustainability researcher with a PhD from the School of Agriculture, Policy and Development, University of Reading, UK; Undertook research into sustainable agricultural development in the Indian Punjab; An MBA qualified with 12-year experience of teaching and administration; Currently working as Postdoctoral Fellow in Sustainable Agriculture at the School of Natural Resources and Environment, University of Michigan, USA on a project titled "Mapping Smallholder Agriculture to Identify the Effects of and Potential Solutions for India's Imminent Groundwater Crisis." Career aspiration is to work with an international organization/institution engaged in agricultural research and development

Professional Profile

- Sept–Dec 2016 **Postdoctoral Fellow in Sustainable Agriculture:** School of Natural Resources and Environment, University of Michigan, Ann Arbor, USA (September 7, 2016)
Project: Mapping Smallholder Agriculture to Identify the Effects of and Potential Solutions for India's Imminent Groundwater Crisis; **Advisor:** Dr Meha Jain
- 2016 – 2017 **IMMANA (Innovative Methods and Metrics for Agriculture and Nutrition Actions) Fellow:** School of Natural Resources and Environment, University of Michigan, Ann Arbor, USA (Starting December 30, 2016, Finishing December 29, 2017)
Project: Farm/crop/livelihood diversity and farm household nutrition in India: A comparative study of Punjab and Gujarat; **Advisors:** Host Mentor: Dr Meha Jain, University of Michigan, USA; Home Mentor: Professor Sukhpal Singh, IIMA Ahmedabad, India
- 2015 – 2016 **Research Associate: Indian Institute of Management, Ahmedabad, India**
Project: Impact of Better Cotton Initiative (BCI) in South Asia; **Advisor:** Professor Sukhpal Singh
Responsible for designing a research plan, carrying out the survey instruments, undertaking the fieldwork, analysing the data and report writing
- 2001 – 2009 **Managing Director: Bulls eye and PT Education, India**
Founder of the second largest institute in North India for training students for competitive exams in a city of 2 million; Responsible for all marketing, business development and strategic initiatives at the institute; undertook teaching in Business Economics, English and Analytical skills subjects; Supervised a staff of 10 faculty members in four subject areas.
- 2000 – 2001 **Lecturer: National Institute of Technology, India**
Subjects taught: Business Economics, Management - Theory and Practice, Marketing Research and Marketing Management. Was teacher-in-charge of National Service Scheme and cultural activities centre of the institute; awarded a grant by Ministry of Human Resource Development, Government of India to study Agro- business management in North India
- 1997 – 1999 **Lecturer: Ascent Institute of Management, India**
Subjects taught: Business economics, Management - Theory and Practice, Marketing Research and Marketing Management; Teacher-in-charge of National Service Scheme

Educational Profile

- 2009 – 2014 **PhD (International and Rural Development): School of Agriculture, Policy and Development, University of Reading, UK**
Supervisor: Professor Julian Park
Research evaluated the determinants of agricultural sustainability in the Indian Punjab focussing on crop productivity, water use, farm economics, conservation technologies and extension systems

- 1995 – 1997 **MBA (Marketing Management): Punjabi University Patiala, India**
 Subjects studied included Marketing Management, Strategic Management, and Marketing Research. This involved substantial research and analytical skills and led to my particular interest in marketing and sales management
- 1993 – 1994 **Post-Graduate Diploma in Computer Applications: Punjabi University Patiala, India**
 Computer application basics, programming and computing skills
- 1990 – 1993 **BA, Sociology, Public Administration, Political Science: Punjabi University Patiala, India**
 Undergraduate in Arts with a fundamental knowledge of socio-political structure of India

Key Skills

- **Research and Development**

Excellent data analysis and interpretation skills using both quantitative and qualitative data sets relating to farm enterprises; Extensive experience of using various computer-based data analysis tools like SPSS, STATA, ATLAS-ti and Minitab during my PhD and at my current research project at IIM Ahmedabad; Outstanding academic writing and presentation skills, a reviewer for the Journal of Crop Improvement since 2012.

- **Teaching and Administration**

Dealing with students, teachers and parents in relation to both educational and administrative processes as lecturer at Ascent Institution of Management and National Institution of Technology; As Managing Director at Bulls eye in India managing the provision of a high quality learning experience to undergraduate students

- **Leadership and Team Work**

Leadership of Bulls eye involved the motivation of students and staff to ensure high grades in competition examinations. I developed a team-based culture in an academic environment. Successfully completed the field work in Punjab and Gujarat, and coordinating with other colleagues based in Denmark and Pakistan for my current research project at IIM Ahmedabad. My involvement in college committees at Ascent Institute of Management and National Institute of Technology required close collaboration with others

- **Computer and Statistical**

Confident user of Microsoft Word and Excel and have used databases to record and retrieve information both at work and during my research. I have also used SPSS, STATA and Minitab to a high level during my PhD research. Currently learning R Project, Google Earth Engine, Remote Sensing and Geographic Information System. Have experience of web design/ development tools i.e. Photoshop, flash and Dreamweaver

Publications

Published/Accepted

- Singh, S. 2013. Modern Food Value Chains in India: Emerging Potential for the Poor. *Millennial Asia*, 4(2): 240-244.
- **Punjabi di kheti sambandi ki kehdi ee navi khoj** (What says the new research about Punjab agriculture) by Dr M.S. Kang: A Punjabi translation of major conclusions and recommendations of my PhD thesis: Published in the 'Ajit' (A leading Punjabi newspaper) in July 2014
- Singh, S., Benbi, D.K. 2016. Punjab-Soil Health and Green Revolution: A Quantitative Analysis of Major Soil Parameters. *Journal of Crop Improvement*, 30(3): 323-340. DOI: 10.1080/15427528.2016.1157540

Submitted

- **"Drivers of Change in Groundwater Resources in the Indian Punjab"** to the *International Journal of Water*
- **"Economic Sustainability of Farm Enterprises in the Indian Punjab: A Quantitative Analysis of Crop Productivity, Cost of Cultivation and Farm Profitability"** to the *American Journal of Agricultural Economics*

Working on

- **“Relationship between Crop Diversity and Groundwater Resources: A block-wise analysis of Indian Punjab”** targeting Agricultural Water Management
- **“Trends of Yield, Cost of Cultivation, Net Profitability in the Indian Punjab between 2000-01 and 2011-12”** targeting Agricultural Economic
- **“Major Determinants of Agricultural Sustainability in the Indian Punjab”** targeting the Indian Journal of Agricultural Economics
- **“Policy Framework for Agricultural Sustainability in the Indian Punjab”** targeting the Economic and Political Weekly
- **“Extension Workers' Competence Level: Agricultural Sustainability in the Indian Punjab”** targeting International Journal of Agricultural and Extension Education.

Presentations, Conferences and Workshops

- Attended **“Rachel Carson Memorial Lecture, 'Birds and Pesticides: Is the thread of a silent spring really behind us?’** at the School of Oriental and African Studies (SOAS) in London, UK on December 2, 2009.
- Presented on **“Punjab: The Granary of India”** to a class of BSc (Agriculture) students at the School of Agriculture, Policy and Development, University of Reading, UK on February 2, 2010
- Presented on **“Indicators and determinants of agriculture in Punjab, India”** at School’s annual conference at the School of Agriculture, Policy and Development, University of Reading, UK on April 19, 2011
- Attended an International Conference on **“Agriculture Education and Knowledge Management”** at ICRTA, IGNOU Regional Center, Agartala, Tripura, India, on August 24-26, 2010
- A paper presented on **“Farmers’ education to meet the goals of sustainable agriculture in Punjab, India”** at Global Consortium of Higher Education and Research for Agriculture (GCHERA), in Beauvais, (France) on June 27-29, 2011
- A paper presented on **“The economic sustainability of cropping systems in Indian Punjab: A farmers’ perspective”** at the European Association of Agricultural Economists-2011 Congress (fully sponsored) in Zurich (Switzerland) on August 30-September 2, 2011
- Presented on **“Sustainability of Agriculture in the Indian Punjab: Indicators and Determinants”** at Punjab Research Group meeting at the University of Wolverhampton, UK on November 3, 2012
- Attended a meeting on **“Language and Culture in India and Pakistan”** at Punjab Research Group meeting at Centre of South Asian Studies Library, University of Cambridge on October 26, 2013
- Attended a fully sponsored (British Council and to FAPESP) international workshop on **“Water as the Frontier of Agribusiness: Politico-Ecological and Socio-Economic Connections from Farms to Global Markets”** on March 9-13, 2015 in Brazil

Professional Training

- Passed **University Grants Commission-National Eligibility Test**, an eligibility test for Lectureship in India conducted by University Grants Commission, Government of India in 1998

Professional Memberships and other Achievements

- Member of the Agriculture, Nutrition and Health (ANH) Academy since 2016
- Member of the European Association of Agricultural Economists (EAAE) since 2010
- Member of Agricultural Economics Society, UK since 2014

- Member of Punjab Research Group (UK) since 2010
- Working as Citizen Historian (Volunteer) with www.1947PartitionArchive.org since April 2014
- Course and Faculty Representative (post-graduates) of Faculty of Life Sciences in 2011-12 and 2012-13
- Represented the postgraduate students of my faculty at University Senate during 2012-13
- RED (Reading Employability and Development) award during 2011-2012
- Worked as a senior student at Trinity Hall between 2011 and 2014

Referees

1. Professor Julian Park	Tel +44-(0)-118 378 6686	Email j.r.park@reading.ac.uk
2. Professor Sukhpal Singh	Tel +91-(79) - 66 324 855	Email sukhpal@iima.ac.in
3. Professor Manjit S Kang	Tel +91-(0)-941 771 9993	Email vcpau5264@yahoo.co.in