

Deepak Varshney

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Development Planning Centre,
Institute of Economic Growth,
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Area of Research

Agriculture Technology, Public Policy, Impact Evaluation, Agriculture and Labour Markets.

Education

Ph.D. Economics, Delhi School of Economics, University of Delhi, India, 2017

Thesis title : An Evaluation of the Impact of Mahatma Gandhi National Rural Employment Guarantee Act. [Supervisor : Prof. J.V.Meenakshi]

M.A. Economics. Jawaharlal Nehru University, New Delhi, India, 2007

B.A. Economics, Aligarh Muslim University, Uttar Pradesh, India, 2004

Professional Experience

Worked as consultant at the International Food Policy Research Institute (IFPRI), World Bank and International Water Management Institute (IWMI), 2016 to 2021.

Assistant Professor, O.P.Jindal University, Sonipat, Haryana, India, July 2017 to July 2018.

Research Assistant, Centre for Development Economics, Delhi School of Economics, India, July 2014-June 2015

Research Analyst, National Council of Applied Economics Research (NCAER), New Delhi, India, June 2007- August 2010

Refereed Publications

1. **Varshney, Deepak**, Anjani Kumar, Ashok Mishra, Shahidur Rashid, and Pramod Kumar Joshi. "India's COVID-19 Social Assistance Package and its Impact on the Agriculture Sector." *Agricultural Systems*, 2021.
Earlier version published as IFPRI [Discussion Paper 01990](#).
2. **Varshney, Deepak**, Anjani Kumar, Ashok Mishra, Shahidur Rashid, and Pramod Kumar Joshi. "COVID-19, Government Transfer Payments, and Investment Decisions in Farming Business : Evidence from Northern India." *Applied Economics and Perspective Policy*, 2021.
3. **Varshney, Deepak**, Pramod Kumar Joshi, Devesh Roy, and Anjani Kumar. "Understanding the Adoption of Modern Cultivars in India: Adoption probability and use intensity." Forthcoming *Journal of Agricultural and Resource Economics*, 2021.
Earlier version published as IFPRI [Discussion Paper 01806](#).

4. **Varshney, Deepak**, Devesh Roy, and J. V. Meenakshi. "Impact of COVID-19 on agricultural markets: assessing the roles of commodity characteristics, disease caseload and market reforms." *Indian economic review*, 2020.
5. **Varshney, Deepak**, Pramod Kumar Joshi, Devesh Roy, and Anjani Kumar. "PM-KISAN and the Adoption of Modern Agricultural Technologies." *Economic & Political Weekly*, Vol 55 (23), 2020.
Earlier version published as IFPRI [Discussion Paper 01907](#).
6. **Varshney, Deepak**, Deepti Goel, and J. V. Meenakshi. "The impact of MGNREGA on agricultural outcomes and the rural labour market: A matched DID approach." *The Indian Journal of Labour Economics* 61, Vol 4 (2018): 589-621, 2019.
7. Chatterjee, Urmila, Martin Rama, and **Deepak Varshney**. "Unpacking India's Covid-19 Social Assistance Package". Forthcoming, *Economic and Political Weekly*, 2021.

Discussion Papers

1. **Varshney, Deepak**, Ashok Mishra, Devesh Roy, and Pramod Kumar Joshi. "Social Networks, Heterogeneity, and Adoption of Agricultural Technologies." IFPRI [Discussion Paper 01817](#).
2. **Varshney, Deepak**, P.K.Joshi, and Devesh Roy. "Identifying innovators and early adopters of agricultural technology: A case of wheat varieties in Rajasthan, India. IFPRI [Discussion Paper 01808](#).
3. **Varshney, Deepak**, Ashok Mishra, Devesh Roy, and Pramod Kumar Joshi. "Social Networks, Heterogeneity, and Adoption of Agricultural Technologies." IFPRI [Discussion Paper 01817](#).

Report

1. Varshney, Deepak.; Joshi, P. K.; and Roy, D. 2019. Adoption Patterns and Determinants of Improved Cultivars in Rajasthan, India. IFPRI South Asia Office, New Delhi, India.
2. Varshney, Deepak., Mukherji, Aditi., Shreshta, Shishir., 2021. Access, Utilization and Impact of Solar Irrigation Pumps : Evidence from Nepal. International Water Management Institute (IWMI), New Delhi Office, India.[*Under review*]

Media Publications/Blogs

1. Situation Assessment of the Rural Economy Amid COVID-19 crisis : Evidence from India, IFPRI Blog series, July 2020.
[Situation Assessment of the Rural Economy amid COVID-19 Crisis: Evidence from India - IFPRI South Asia Office](#)
2. Direct Benefit Transfer proves an efficient channel in disbursing COVID relief. The Hindu Business line, June 2020.
[DBT proves an efficient channel in disbursing Covid relief - The Hindu BusinessLine](#)
3. Giving PM-KISAN the Multiplier Effect. *The Hindu Business Line*, February 2020.
[Giving PM-KISAN the multiplier effect - The Hindu BusinessLine](#)
4. How impact on rabi cropping in Rajasthan was mitigated. *Financial Express*, April 2017.
[Demonetisation: How impact on rabi cropping in Rajasthan was mitigated - The Financial Express](#)

Papers Under Review

1. **Varshney, Deepak**, Pramod Kumar Joshi, Anjani Kumar, Ashok Mishra, and Shantanu Dubey. "Examining the Transfer of Knowledge and Training to Smallholders in India: Direct and Spillover Effects of Agricultural Advisory Services in an Emerging Economy." [*World Development : Revise and Resubmit*]
2. Joshi, P.K., **Deepak Varshney**, Agriculture Technology in India : A review. (*National Bank for Agriculture and Rural Development, India*)

Work in Progress

- Impact of Emergency Free Food Assistance Scheme on Food Prices : Evidence from Natural Experiment in India (with P.K.Joshi, Ashok Mishra and Anjani Kumar)
- India's Covid-19 Social Assistance Package : Household Level Analysis [with Martin Rama and Urmila Chatterjee]
- Back to Square One: Exploring the Re-Adoption of Older Agricultural Technologies (with P.K.Joshi)
- Role of farm science centres in the implementation and effectiveness of agricultural schemes: Evidence from soil health card scheme in India? (with P.K.Joshi)
- Demand side factors and female labour force participation in India (with Urmila Chatterjee and Martin Rama)
- Identifying attributes' preference impacts in choice of technology : The case of pearl millet in Rajasthan (with P.K.Joshi and Devesh Roy)
Earlier version published as a chapter in the report.
- Impact of adoption of oilseed crop hybrids: A case study of mustard in Rajasthan, India (with P.K.Joshi and Devesh Roy)
Earlier version published as a chapter in the report.
- Impact of MGNREGA on Gender Wage Gap: An Analysis of Casual Labour Market in India (with J.V.Meenaskhi)
- Impact of MGNREGA on Cropping Patterns and Labour Use: Evidence from Rajasthan in India (with J.V.Meenaskhi)

Conference Presentations (Selected)

1. IZA Doctoral Workshop, Georgetown University, Washington, D.C., USA
2. Economic Growth and Development Conference, Indian Statistical Institute, New Delhi, India
3. Winter School, Delhi School of Economics, University of Delhi, India
4. Indira Gandhi Institute of Development Research (IGIDR), Mumbai, India
5. International Food Policy Research Institute (IFPRI), South Asia Office, New Delhi, India

Survey Experience

Large household surveys (physical and telephone) in the state of Madhya Pradesh, Rajasthan, and Uttar Pradesh

Data Experience

1. Land Use Statistic, Area Production and Yield, Cost of Cultivation (Plot level), Harvest Price, Directorate of Economics and Statistics, Ministry of Agriculture, Govt. of India
2. Employment and Unemployment Survey, Consumer Expenditure Survey, Water and Sanitation and Hygiene Survey, National Sample Survey, Govt. of India
3. Administrative data for social assistance schemes : Mahatma Gandhi National Rural Employment Guarantee Act, National Food Security Act, Pradhan Mantri Ujjwala Yojana (cooking subsidy scheme), Pradhan Mantri Jan Dhan Yojana (financial inclusion scheme), and Grameen Kalyan Rozgar Yojana (employment schemes for migrants)
4. Indian Human Development Survey and Rural Economic and Demographic Survey , National Council of Applied Economic Research, New Delhi, India

Review Experience

Journal of Agricultural Economics, Climate and Development, PLOS ONE, Journal of Agribusiness in Developing and Emerging Economies, , Agricultural Research, Indian Economic Review

Software Skills

STATA, ARC GIS, QGIS, SURVEYBE

Language Skills

English, Urdu, Hindi

Reference

Available on request.

Deepak Varshney,
Nationality : Citizen of India