Dr. Prem Chand is Senior Scientist in Agricultural Economics at the ICAR-National Institute of Agricultural Economics and Policy Research, New Delhi. He received his Doctorate Degree from the ICAR-National Dairy Research Institute, Karnal, India. His areas of specialization are natural resource management and agricultural sustainability assessment. He has developed innovative indices to assess agrobiodiversity, agricultural sustainability, and women's empowerment. His pioneering work in innovative extension methodologies received recognition from the Government of Madhya Pradesh, India. Dr. Chand has received ICAR Senior Research Fellowship during his PhD program and the University Merit Scholarship during his Master's



degree. Dr. Chand has more than 100 publications in his credit including research papers in national and international journals. He is recipient of Young Agricultural Economist Award of Agricultural Economics Research Association, India and Dr. R S Deshpande Award of Institute for Social and Economic Change, Bengaluru, India. He has also recognised by the National Academy of Agricultural Sciences in New Delhi for his outstanding work. Dr. Chand is Joint Secretary of Agricultural Economics Research Association and member of Advisory Board of the Indian Society of Agricultural Economics. Some of his recent publications are listed below.

Recent Publications:

- Chand P, Kiran Kumara TM, Pal S and Naik K. 2024. A spatial assessment of sustainability in Indian agriculture. Policy Paper 42, ICAR-National Institute of Agricultural Economics and Policy Research (NIAP), New Delhi. <u>https://niap.icar.gov.in/pdf/pp42.pdf</u>
- Nikam V, Veesam H, Kiran Kumara TM and Chand P. 2023. Farmer Producer Organizations in India Challenges and Prospects. Policy Paper 40, ICAR – National Institute of Agricultural Economics and Policy Research, New Delhi. <u>https://niap.icar.gov.in/pdf/pp40.pdf</u>
- Saxena R, Chand P, Balaji SJ and Pal S (Eds.). 2022. *Agricultural Development Report* 2020-21. ICAR-National Institute of Agricultural Economics and Policy Research, New Delhi.
- Kiran Kumara TM, Pal S, **Chand P** and Kandpal A. 2023. Carbon sequestration potential of agroforestry systems in Indian agricultural landscape: A meta-analysis. *Ecosystem Services* 62:101537. <u>https://doi.org/10.1016/j.ecoser.2023.101537</u>
- Chand P, Singh JM, Agarwal P, Jain R, Rao S and Kaur B. 2022. Irrigation water policies for sustainable groundwater management in irrigated northwestern plains of India. *Current Science* 123 (10):1225-1231. <u>https://doi.org/10.18520/cs/v123/i10</u>
- Pal S, Chand P, Roul C and Mohapatra T. 2022. Assessment of agricultural sustainability in the Indo-Gangetic Plains of India: An application of the indicator framework. *Agricultural Research*. <u>https://doi.org/10.1007/s40003-022-00621-y</u>
- Kiran Kumara TM, Pal Suresh, Chand P and Kandpal A. 2022. Carbon sequestration potential of sustainable agricultural practices to mitigate climate change in Indian agriculture: A meta-analysis. *Sustainable Production and Consumption* 35:697-708. <u>https://doi.org/10.1016/j.spc.2022.12.015</u>

- **Chand P,** Sulakshana Rao C, Agarwal P, Jain R. 2021. Sustainable intensification of water guzzling crops: Identifying suitable cropping districts of India. *Indian Journal of Agricultural Sciences* **91**(8): 1117–1121. <u>https://doi.org/10.56093/ijas.v91i8.115779</u>
- Roul C, **Chand P**, Pal S and Naik K. 2021. Assessment of agrobiodiversity in the intensive agriculture: a case study of the Indo-Gangetic Plains of India. *Biodiversity and Conservation*. <u>https://doi.org/10.1007/s10531-021-02336-y</u>
- **Chand P**, Rao S, Jain R and Pal S. 2020. Identifying sustainable rice cultivation zones in India: the implications of the crop water footprint. *Agricultural Economics Research Review* **33**(2):147-160. <u>https://doi.org/10.22004/ag.econ.310321</u>
- **Chand P,** Jain R, Chand S, Kishore P, Malangmeih L and Rao S. 2020. Estimating water balance and identifying crops for sustainable water resources in Bundelkhand region of India. *Transactions of American Society of Agricultural Engineers* **63**(1):117-124. <u>https://doi.org/10.13031/trans.13429</u>
- Chand P, Sirohi S, Mishra A and Chahal VP. 2017. Estimation of costs and returns from dairying in Malwa region of Madhya Pradesh. *Indian Journal of Animal Sciences* 87(3):381-386. <u>https://doi.org/10.56093/ijans.v87i3.68885</u>
- **Chand P,** Sirohi S, Sirohi SK and Chahal VP. 2015. Estimation of demand and supply of livestock feed and fodder in Rajasthan: a disaggregated analysis. *Indian Journal of Animal Sciences* **85**(11):1229-1234. <u>https://doi.org/10.56093/ijans.v85i11.53287</u>
- Chand P, Sirohi S and Sirohi SK. 2015. Development and application of an integrated sustainability index for smallholder dairy farms in Rajasthan, India. *Ecological Indicators* 56:23-30. <u>https://doi.org/10.1016/j.ecolind.2015.03.020</u>
- Chand P and Sirohi S. 2015. Sectoral priorities for sustainable livestock development in Rajasthan: lessons from total factor productivity growth. *Agricultural Economics Research Review* 28:81-92. <u>https://doi.org/10.5958/0974-0279.2015.00024.5</u>

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