

Biodata of Dr. Prem Chand

Dr. Prem Chand (born 3rd February, 1981) is currently working as a Scientist (Sr. Scale), Agricultural Economics at ICAR-National Institute of Agricultural Economics and Policy Research, New Delhi. He did his graduation in agriculture and post-graduation in agricultural economics from Swami Keshwanand Rajasthan Agricultural University Bikaner. Dr. Chand is Doctorate in Dairy Economics from ICAR-National Dairy Research Institute, Karnal. He joined ICAR on 21st April, 2009 as a Scientist and before joining ICAR-NIAP on 3rd April, 2017, he was posted at ICAR-Agricultural Technology Application Research Institute (ATARI) Jabalpur. He also served Amity University Rajasthan, Jaipur from October, 2008 to April, 2009. Dr. Chand is Recipient of ICAR Senior Research Fellowship during Ph. D. Programme and University Merit Scholarship during Master Degree. His area of interest are growth and development, monitoring and evaluation, ICT in Agriculture and agricultural sustainability.

Awards and recognitions

- Young Scientist Presentation award by National Academy of Agricultural Sciences, New Delhi during 12th Agricultural Science Congress held at National Dairy Research Institute, Karnal, Haryana during 3-6 February, 2015.
- Recipient of ICAR Senior Research Fellowship during Ph. D. Programme.
- Recipient of University Merit Scholarship during M.Sc. (Agricultural Economics).
- Appreciation from Agricultural Production Commissioner and Additional Chief Secretary, Government of Madhya Pradesh for excellent achievements of special Kharif Programme-2013 on “KVK-ATMA joint efforts for sustaining double digit growth in Madhya Pradesh
- Best Poster presentation award during National Seminar on Protection of Horticultural crops and value addition, 29-30, November, 2013 at Department of Horticulture, Allahabad School of Agriculture, Allahabad, UP”
- Nominated as Indian delegate for ASEAN training programme on “IT application for Agricultural Extension (e-Extension)” held during 6-17th January, 2014 at National Academy of Agricultural Research Management (NAARM), Hyderabad

Training/Workshops Organized

Training Programme	Nos. organised	Role
Five days Management Development Programme for newly recruited Senior Scientists and Heads of KVKs under ATARI, Jabalpur	4	Co-ordinator
Short duration training programmes for Subject Matter Specialists and Programme Assistants of KVKs	11	5 as Coordinator and 6 as Co-coordinator
Annual Zonal Workshops of KVKs	8	Co-Coordinator
Other workshops/interfaces organised	7	2 as Coordinator and 5 as associated

Research/Development Projects handled

- Cost and returns of Milk Production: Developing standardized methodology and estimates of various production systems' funded by Department of animal Husbandry, Dairying and Fishery, Ministry of Agriculture, Government of India, New Delhi.
- Assessing Sustainability smallholder dairy production system in underdeveloped production environments", in collaboration with National Dairy Research Institute, Karnal, Haryana (2012-2015).
- ICAR Plan Project "Attracting and Retaining Youth in Agriculture" (2015-16 to 2016-17)
- Collaborative project on "Empowerment of farm women for improved quality living" (2015-16 to 2016-17) in collaboration with ICAR-CIWA, Bhubaneswar.
- Institute Projects on Estimation of yield gap and its factors affecting in major crops of Madhya Pradesh, Chhattisgarh and Odisha" (2013-2016)
- Cluster Frontline Demonstrations of Rabi Pulses-2015-16 funded under NFSM by Ministry of Agriculture and Farmers Welfare, Department of Agriculture, Cooperation and Farmers Welfare, Govt. Of India, New Delhi.
- Cluster Frontline Demonstrations of Rabi Oilseeds-2015-16 funded under NMOOP by Ministry of Agriculture and Farmers Welfare, Department of Agriculture, Cooperation and Farmers Welfare, Govt. Of India, New Delhi.

Important publications

Recent research papers

1. **Chand, P.**, Sirohi, S., Mishra, A. and Chahal, V. P. 2017. Estimation of costs and returns from dairying in Malwa region of Madhya Pradesh. *Indian Journal of Animal Sciences* **87** (3): 381–386.
2. **Chand, P.**, Sirohi, S. and Sirohi S.K. 2015. Development and application of an integrated sustainability index for smallholder dairy farms in Rajasthan, India. *Ecological Indicators* **56**:23-30.
3. **Chand, P.**, Sirohi, S., Sirohi, S. K. and Chahal, V. P. (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.
4. **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** (Conf.):81-92.
5. **Chand, P.** Sirohi, S. and Sirohi, S. K. 2014. What determines sustainability of dairy farming? Empirical evidence from north-western dry region of India. *International Journal of Agricultural and Statistical Sciences* **10** (Supplement 1): 211-217.
6. **Chand, P.**, Sirohi, S., Singh, S.R.K., Dwivedi, A.P. and Mishra, A. 2014. Sustainability of dairy breeding practices in Semi-Arid Eastern Zone, Rajasthan. *Indian Research Journal of Extension Education* **14** (3): 43-46.
7. Singh, M., Dwivedi, A. P., Mishra, A., Singh, R. P., Singh, D. Singh, S. R. K. and **Chand, P.** 2013. Adoption level and constraints of soybean production technology in Sagar district of Madhya Pradesh. *Journal of Community Mobilization and Sustainable Development* **8** (1): 94-99.
8. **Chand, P.** and Sirohi, S. 2012. Dairying in Semi-Arid Eastern Plan Zone of Rajasthan: Input Productivity and Net Returns. *Indian Journal of Dairy Science* **65** (1): 79-83.

9. **Chand, P. and Sirohi, S.** 2012. District level sustainable livestock production index: Tool for livestock development planning in Rajasthan. *Indian Journal of Agricultural Economics* 63 (2): 199-212.
10. **Chand, P., Sirohi, S. and Sirohi, S. K.** 2011. Using Sustainable Livestock Production Index for Development of Livestock Sector: case of arid region in India. *Journal of Applied Animal Research* 39(3):234-238.

Books authored/edited:

1. Singh, K. P., Nair, B. and **Chand, P.** 2014. *Fundamentals of vegetable crop production*. Scientific Publisher, Jodhpur, India (ISBN: 978-81-7233-902-9).
2. Chand, P and Sirohi, S. 2014. *Assessment of livestock sustainability in developing countries: approaches and application*. Scholar's Press. Germany (ISBN: 978-3-639-70849-3).
3. Anupam Mishra, S.R. K. Singh, V. P. Chahal, U. S. Gautam, A.P. Dwivedi, **Prem Chand**, Tusar Athare and P. Adiguru 2012. *KVK Terminology*. ICAR-Agricultural Technology Application Research Institute, Jabalpur, Madhya Pradesh.
4. Kokate, K.D., Mehta, A.K., Rayudu, B.T., Kumar, S. P., Venkatasubramanian, V., Narula, A.M., Singh, A.K., Gogoi, A.K., Singh, A.K., Sudhakar, N., Singh, Y.V., Gautam, U.S., Srinath, K., Keshava, Pal, P.P., Singha, A.K., Singh, L., Dattatray, K., Rohilla, R.P., **Chand, P.**, Sairam, C.V., Aggarwal, S., Chahal, V.P. and Adhiguru P. 2010. *Agri-tech interventions: harbingers of prosperity*. Indian Council of Agricultural Research, New Delhi. Available at <http://www.icar.org.in/files/Agritech-Interventions-2010.pdf>

Books chapters:

1. **Chand, P.,** Singh, K. P., Singh, B. Mishra, A. and Singh, S. R. K. 2017. Agriculture diversification in India: pattern and determinants. In: *Re-visiting agricultural policies in the light of globalisation experience: The Indian context*. Edt. Morothia, D., Martin, W., Janaiah, A. and Dadhich, C. L.; Indian Society of Agricultural Economics, Mumbai.
2. **Chand, P.** Mishra, A., Singh, S.R. K., Dwivedi, A. P. and Athare, T. R. 2013. Production and marketing of paddy in Assam. In: *Agribusiness Potentials in India: Experiences from hills states*. Edt. Singh, R., Naik, D. and Feroze, S.M.; Eastern Book House Publisher, Guwahati.
3. **Chand, P.,** Sharma, R, Sirohi, S. Singh, R. and Meena, G. L. 2014. Indian agribusiness management: a critical SWOT Analysis. In: *Agricultural Technology: A New Paradigms* (ISBN:8176223239). Edt. Prasad, B. and Bahuguna, A.; Bio-tech Books, New Delhi.
4. Chandel, B. S., **Chand, P.** and Dhaka, J. P. 2014. Marketing Efficiency in Domestic Trade of Milk and Milk Products. In: *Sustainable Rural Development through Agriculture*. Bio-tech Books, New Delhi. ISBN. 8176223271
5. Gautam, U. S. and **Chand P.** 2009. Addressing Drought in Madhya Pradesh. In: *Drought Mitigation Interventions of Krishi Vigyan Kendras*. ICAR-Agricultural Technology Application Research Institute, Kanpur, U.P., India.
6. Meena, G. L., Burdak, S. S, Chahal, V. P. and **Chand, P.** 2014. Rural development through agro-based industries in India. In: *Sustainable Rural Development through Agriculture*. Bio-tech Books, New Delhi. ISBN. 8176223271
7. Meena, G. L., Pant, D. C., Chahal, V. P. and **Chand, P.** 2014. Agribusiness in India: An overview. In: *Sustainable Rural Development through Agriculture*. Bio-tech Books, New Delhi. ISBN. 8176223271

8. Singh, K.P and **Chand P.** 2013. Conservation agriculture: Challenges and opportunities. In: *Conservation agriculture: The new paradigm*. Bio-tech Books, New Delhi. ISBN: 8176222895
9. Singh, K.P, Singh, B., **Chand, P.**, Sharma, S. K. and Bhati, A.S. 2014. Sustaining vegetable production through farmers' own seed-An integrated approach" In: *Sustainable Rural Development through Agriculture*. Bio-tech Books, New Delhi. ISBN: 8176223271.
10. Singh, S.R.K., Mishra, A. **Chand, P.** and Dwivedi A.P. 2014. Intensifying Smallholders' income through profitable enterprises by KVKs: Case Studies. In: S.Gupta and S.S.Tomar (Eds.) *Sustianbale Rural Development through Agriculture*, Boitech Books, Delhi.

Technical/popular articles:

1. **Chand, P.**, Deepak Rathi, R. K. Yogi and R. K. Rai 2010. Microfinance in India: New approach for financing the rural poor. *Journal of Extension Education* **15** (1&2): 158-166.
2. Meena, G. L., Meena, P.C. and **Chand, P.** 2010. Career Opportunities in Agri-business Management. *Employment News*, Vol. 35 (25): 1&64
3. Singh, K. P., Nair, B., **Chand P.** 2013. Career in Horticulture. *Employment News*, Vol. 38 (31): 1&56.
4. Singh, B. N., Singh K. P. and **Chand, P.** 2015. Career in floriculture. *Employment News*, Vol. XL (5) Pages 48, 2 – 8, May 2015
5. Singh, K.P., **Chand, P** and Nair, B. 2014. Prosperity Through Peri-Urban Vegetable Production. *Kurukshetra*, May, 2014

Membership of Professional Societies

- Life member, Indian Society of Agricultural Economics, Mumbai.
- Life member, Agricultural Economics Research Association (AERA), New Delhi
- Life member, Indian Society of Agricultural Marketing, Nagpur.
- Life member, Indian Society of Extension Education, New Delhi.
- Life member, Society of Extension Education, Agra.

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