

Profile

Dr Bharat Prakash Meena



Designation: Scientist
Division of Soil Chemistry and Fertility
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Research specialization:

- Crop agronomy
- Conservation Agriculture
- Nitrogen use efficiency and soil health management
- Organic farming

Professional Experience:

I have more than 8 years of experience in research in the field of crop agronomy, best agronomic management practices, fertilizer scheduling, suitability of different modified urea materials for improving nitrogen use efficiency and crop productivity, integrated nutrient management practices, organic farming, and conservation agriculture for sustaining crop productivity and soil health in Vertisols. I have published more than 20 research papers of national and international repute.

Awards and Honours:

- **Sri Ram award'** Fertilizer Association of India (FAI), New Delhi, 2016.
- **Young Scientist Award'** by Genesis Urban and Rural Development Society, Hyderabad, 2016.
- **Best Young Scientist Award'** Pearl- A Foundation for Educational Excellence, 2016.
- **Best Poster Award** at the in National conference on organic waste management for food and environmental security" during 08-10 February, 2018 at ICAR-IISS, Bhopal.

Top Ten publications:

1. **Bharat Prakash Meena**, AK Biswas, Muneshwar Singh, RS Chaudhary, AB Singh, H Das, AK Patra, 2019. Long-term sustaining crop productivity and soil health in maize–chickpea system through integrated nutrient management practices in Vertisols of central India. *Field Crops Research*, 232, 62-76. <https://doi.org/10.1016/j.fcr.2018.12.012>.
2. **Bharat Prakash Meena**, Ashok Kumar, B Lal, Rang Lal Meena, AO Shirale, ML Dotaniya, Kuldeep Kumar, NK Sinha, SN Meena, Asha Ram, Priyanka Gautam, 2019. Sustainability of Popcorn-Potato Cropping System Improves Due to Organic Manure Application and Its Effect on Soil Health, *Potato Research*, 1-27. <https://doi.org/10.1007/s11540-018-9410-3>.
3. **Bharat Prakash Meena**, Kumar, A., Dotaniya, M.L., Jat, N.K., Lal, B. (2014). Effect of organic sources of nutrients on tuber bulking rate, grades and specific gravity of potato tubers. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*. DOI 10.1007/s40011-014-0398-4.
4. **Bharat Prakash Meena**, Ashok Kumar, S.R. Meena, Shivadhar, D.S. Rana and K.S. Rana (2013). Effect of sources and levels of nutrients on growth and yield behaviour of popcorn (*Zea mays var everta* L.)–potato (*Solanum tuberosum* L.) grown in sequence. *Indian Journal of Agronomy* 58(4):474-479.
5. **Bharat Prakash Meena**, S.M. Kumawat and R.S. Yadav (2011) Effect of planting geometry and nitrogen management on groundnut (*Arachis hypogaea*) in loamy sand soil of Rajasthan. *Indian Journal of Agricultural Sciences* 81 (1): 86–88.
6. B. Lal, Priyanka Gautam, A.K. Nayak, B.B. Panda, P. Bihari, R. Tripathi, M. Shahid , P.K. Guru , D. Chatterjee, U. Kumar , **Bharat Prakash Meena**. 2019. Energy and carbon budgeting of tillage for environmentally clean and resilient soil health of rice-maize cropping system. *Journal of Cleaner Production* 226 (2019) 815-830
7. A.O. Shirale, **Bharat Prakash Meena**, Priya P. Gurav, Sanjay Srivastava, A. K. Biswas, J. K. Thakur, J. Somasundaram, A. K. Patra and A. Subba Rao (2019) Prospects and challenges in utilization of indigenous rocks and minerals as source of potassium in farming. *Journal of Plant Nutrition*, 42(19): 2682–2701 doi.org/10.1080/01904167.2019.1659353.
8. Jha, P., Neenu S, Rashmi, I, **Bharat Prakash Meena**, Jatava, R. C. , Lakaria, B. L., Biswas, A.K., Singh, M. and Patra, A.K. (2016). Ameliorating Effects of Leucaena Biochar on Soil Acidity and Exchangeable Ions. *Communication in Soil Science Plant Analysis*. DOI [dx.doi.org/10.1080/00103624.2016.1166380](https://doi.org/10.1080/00103624.2016.1166380).
9. Priya P. Gurav, S. K. Ray, P. L. Choudhari, A. O. Shirale, **Bharat Prakash Meena**, A. K. Biswas and A. K. Patra (2019) Potassium in shrink–swell soils of India. *Current Science*, 117 (4): 587-596.
10. RL Jat, Pramod Jha, ML Dotaniya, BL Lakaria, I Rashmi, **Bharat Prakash Meena**, AO Shirale, AL Meena 2018. Carbon and nitrogen mineralization in Vertisol as mediated by type and placement method of residue, *Environmental Monitoring and Assessment*, 190: 439. <https://doi.org/10.1007/s10661-018-6785-1>.