Profile

Dr RH Wanjari

Designation: Principal Scientist
AICRP on Long Term Fertilizer Experiments
ICAR-Indian Institute of Soil Science
Nabibagh, Berasia Road,
Bhopal-462 038, (Madhya Pradesh), India
☎ {+91-755-2730970 (Extn) 341}
Fax: +91-755-2733310
✉ wanjariravi@gmail.com &
R.Wanjari@icar.gov.in

Research specialization:

- Soil Fertility
- Crop Production
- Weed Management
- Long Term Fertilizer Experiments
- Integrated Nutrient Management (INM) and Integrated Plant Nutrient Supply (IPNS) System

Professional Experience:

I have more than 20 years of experience in research and coordination in the field of natural resource management / long term fertilizer experiments supported by publication of research papers, review papers, book chapters etc. I estimated sustainability indices for major crops and soils under major agro-ecological zones in India under AICRP on LTFE. I along with team received International IPNI-FAI Award 2018 and 'Dhiru Morarji Memorial Award (2014). I got recognition as Outstanding Achievement Award GRISAAS 2015. I have handled the Institute projects and externally funded projects as PI ánd CoPI. I have published more than 25 research papers in International Journals and 30 research papers in National Journals. I edited and published more than 10 Research Bulletins, Annual Reports (IISS and AICRP LTFE) and Souvenir, I edited book & book chapters and presented lectures in Winter School, Summer School, Model Training Course (MTC), Training Programmes etc. I presented research papers and participated in the International, National, Regional Seminars, Workshops etc.

Awards and Honours:

- **International IPNI-FAI Award 2018** for Best Research on 'Management and Balanced Use of Inputs in Achieving Maximum Yield' on 5th December 2018 (Drs MC Manna, **RH Wanjari**, Muneshwar Singh, Ashok K Patra and SK Chaudhary)
- **Outstanding Achievement Award GRISAAS 2015** by Astha Foundation, Meerut (Uttar Pradesh) at RVSKVV Gwalior in 2015.

- **Dhiru Morarji Memorial Award** for 'Best Article in Agricultural Sciences 2013-14' for an article 'Balanced Nutrient Management: A Key to Sustain Productivity and Soil Health on Long Term Basis' published in Indian Journal of Fertilizers by Fertiliser Association of India (FAI), New Delhi.
- **Chaudhary Devi Lal Chaudhary Outstanding AICRP Award-2004** by Indian Council of Agricultural Research (ICAR), New Delhi (AICRP on Long Term Fertilizer Experiments)

Top Ten publications:

- **Wanjari RH**, Singh MV and Ghosh PK (2004). Sustainable Yield Index: an approach to evaluate the sustainability of long-term intensive cropping systems in India. ***Journal of Sustainable Agriculture*** 24(4): 39-56.
- **Wanjari RH** and Muneshwar Singh (2019) Soil sustainability and quality assessment from long term fertilizer experiments: A step forward to improve and revive crop productivity and soil health. ***PKV Research Journal* 43** (1): 9-15.
- Singh, M, **RH Wanjari**, Brij Lal Lakaria, AO Shirale, U Kumar and S Jamra (2019) Wheat and Rice Response to Potassium in Vertisols Results from 120 Plot Pairs across Bhopal, Jagtial, Jabalpur, and Raipur Districts, India. ***e-ifc*** (An International Newsletter by IPI; No. 57; June 2019).
- Kshitipati Padhan, Sudeshna Bhattacharjya, Asha Sahu, MC Manna, MP Sharma, Muneshwar Singh, **RH Wanjari**, RP Sharma, GK Sharma and AK Patra (2019) Soil N transformation as modulated by soil microbes in a 44 years long term fertilizer experiment in a sub-humid to humid Alfisol. ***Applied Soil Ecology*** 145 (2020) 103355.
- Madhab Chandra Manna, Mohammad Mahmudur Rahmanx, Ravi Naidux, Asha Sahu, Sudeshna Bhattacharjya, **RH Wanjari**, Ashok Kumar Patra, SK Chaudhari, Kaushik Majumdar and SS Khanna (2018) Bio-Waste Management in Subtropical Soils of India: Future Challenges and Opportunities in Agriculture. ***Advances in Agronomy* 152**: 87-148.
- Singh Muneshwar, **RH Wanjari,** Anil Dwivedi and Ram Dalal (2012) Yield response to applied nutrients and estimates of N_2 fixation in 33- year-old soybean-wheat experiment on a Vertisol. ***Experimental Agriculture*** 48(3): 311-325.
- Manna MC, A Swarup, **RH Wanjari**, YV Singh, PK Ghosh, KN Singh, AK Tripathi and MN Saha (2006) Soil organic matter in a West Bengal Inceptisol after 30 years of multiple cropping and fertilization. ***Soil Science Society of America Journal*** 70:121-129.
- Manna MC, P Bhattacharyya, TK Adhya, M Singh, **RH Wanjari**, S Ramana, AK Tripathi, KN Singh, KS Reddy, A Subba Rao, RS Sisodia, M Dongre, P Jha, S Neogi, KS Roy, KS Rao, SD Sawarkar and VR Rao (2013) Carbon fractions and productivity under changed climate scenario in soybean–wheat system. ***Field Crops Research*** 145 (2013): 10-20.
- Manna MC, A Swarup, **RH Wanjari**, B Mishra (2007) Long-term effects of NPK fertilizer and manure on soil fertility and a sorghum-wheat farming system. ***Australian Journal of Experimental Agriculture*** 47:700-711.
- Jha Pramod, Brij Lal Lakaria, AK Biswas, R Saha, P Mahapatra, BK Agrawal, DK Sahi, **RH Wanjari**, R Lal, Muneshwar Singh, and AS Rao (2014) Effects of carbon input on soil carbon stability and nitrogen dynamics. ***Agriculture, Ecosystems and Environment*** 189:36-42.
- Joshi SK, RK Bajpai, Prahalad Kumar, Alok Tiwari, Vinay Bachkaiya, MC Manna, Asha Sahu, S Bhattacharjya, Mohammad Mahmudur Rahman, **RH Wanjari**, Muneshwar Singh, Vassanda Coumar, Ashok K Patra, and SK Chaudhari (2017) Soil organic carbon dynamics in a Chhattisgarh Vertisol after use of a rice–wheat system for 16 years. ***Agronomy Journal*** 109(6): 2556-2569.
- Muneshwar Singh, **RH Wanjari** and RC Jatav (2017) Phosphorus and potassium management under long-term manuring and fertilization. ***Indian Journal of Fertilizers*** 13(4):98-109
- Singh Muneshwar, **RH Wanjari**, MC Manna, BL Lakaria, Pramod Jha and Ch Srinivasarao (2014) Soil carbon management: Issues and Strategies. ***Indian Journal of Fertilisers*** 10(5): 118-132.
- Muneshwar Singh, RH Wanjari and Promod Jha (2016) Reutilization of soil phosphorus accumulated due to continuous application of phosphate fertilizer in the intensively - cultivated systems. *Indian Journal of Fertilizers* 12(7):42-45.