



Personnel Details

Name : Dr. Malu Ram Yadav
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Educational Background:

Graduation: Agriculture (Hons) from S.K.N. college of Agriculture, Swami Keshwanand Rajasthan Agriculture University, Rajasthan, India during 2009 to 2013

Masters: M.Sc. in Agronomy from ICAR-Indian Agricultural Research Institute, New Delhi, India during 2013-2015

Doctorate: Ph.D in Agronomy from ICAR-National Dairy Research Institute, Karnal, India during 2015-2018

M.Sc. thesis title: During masters I had worked on Performance of maize under long term tillage practices and diversified cropping systems and published **five research paper** from this work with good impact factor journals (Soil and Tillage Research, Pedosphere and Legume Research).

Ph.D thesis title and outcome: I had worked on Performance of fodder-food production systems under different nutrient management practices and published three research paper from this work with good impact factor journals (Journal of Soil Science and Plant Nutrition and Journal of Plant Nutrition) and more are communicated in international journals.

Personal Profile:

My primary goal is to put forth a strong contribution in education and research to the institution especially within my field of expertise. Having been an Assistant Professor in two institutions, I have involved myself with various research projects as well as teaching undergraduate and

postgraduate students across many platforms. One of my objectives is to partake in the pedagogical success of an institution by putting my best efforts into helping students achieve their best academic performance. As an Assistant Professor, I aim for continuous learning and development of my teaching capabilities. With this being said, I am confident that all these objectives can be achieved.

Work Experience

Serving as an Assistant Professor, Division of Agronomy, Sri Karan Narendra Agriculture, University, Jobner India (2018 to till date). Currently my field studies deal with the management of soil fertility for sustainable agricultural production and environmental protection. I am also working on soil health management under different intensified crops/cropping systems and evaluation of carbon and energy footprints of these systems. Besides, I am also actively involved in teaching of undergraduate and master students primarily about Soil and Fertility Management.

List of Publications

Sr. No.	Title of Publication
1.	Parihar, C.M., Yadav M.R. , Jat S.L., Singh A.K., Kumar, B., Pradhan, S., Chakraborty, D., Jat, M.L., Jat, R.K., Saharawat, Y.S. and Yadav, O. P. 2016. Long term effect of conservation agriculture in maize rotations on total organic carbon, physical and biological properties of a sandy loam soil in north-western Indo-Gangetic Plains. Soil and Tillage Research 161 : 116–28.
2.	C.M. Parihar, M.R. Yadav , S.L. Jat, A. K. Singh, B. Kumar, V. Pooniya, S. Pradhan, R. K. Verma, M. L. Jat, R. K. Jat and Y.S. Shahrawat Long Term Conservation Agriculture and Intensified Cropping Systems: Effect on Yield, Water and Energy-use Efficiency of Maize. Pedosphere . 2018; 28(6):952-963
3.	M.R. Yadav , Mukesh Choudhary, Jogendra Singh, Milan Kumar Lal, Prakash Kumar Jha, Pushpika Udawat, Narendra Kumar Gupta, Vishnu D Rajput, Nitin Kumar Garg, Chirag Maheshwari, Muzaffar Hasan, Sunita Gupta, Tarun Kumar Jatwa, Rakesh Kumar, Arvind Kumar Yadav, PV Vara Prasad. 2022. Impacts, Tolerance, Adaptation, and Mitigation of Heat Stress on Wheat under Changing Climates. International Journal of Molecular Sciences , 23(5), 2838
4.	Meena, O.P., Sammauria, R., Gupta, A.K., Gupta, K.C., Behera, B., Saxena, R., Yadav, M.R., Singh, P., Meena, R.K., Raza, M.B. and Anil, A.S., 2022. Energy-Carbon Footprint vis-à-vis System Productivity and Profitability of Diversified Crop Rotations in Semi-arid Plains of North-West India. Journal of Soil Science and Plant Nutrition , 1-16.
5.	M. R. Yadav , Magan Singh, Rakesh Kumar, Hardev Ram, R. K. Meena Govind Makarana, Dinesh Kumar and Susanta Dutta. 2022. Inclusion of legume and integrated use of organic and inorganic nutrient sources can improve the

	productivity and qualitative traits of oats straw. Journal of Plant Nutrition , 2022: 1-12
6.	Yadav, M.R. , Parihar, C.M., Jat, S.L., Singh, A.K., Kumar, D., Pooniya, V., Parihar, M.D., Saveipune, D., Parmar, H. and Jat, M L. 2016. Effect of long-term tillage and diversified crop rotations on nutrient uptake, profitability and energetics of maize (<i>Zea mays</i>) in north-western India. Indian Journal of Agricultural Sciences 86(6):743–9.
7.	Yadav, M.R. , Parihar, C.M., Jat, S.L., Singh, A.K., Kumar, R., Yadav, R.K., Kuri, B.R., Parihar, M.D., Verma, A.P. and Jat, M.L. 2017. Long term effect of legume intensified crop rotations and tillage practices on productivity and profitability of maize vis-a-vis soil fertility in North-Western Indo-Gangetic Plains of India. Legume Research 40(2):282-90.
8.	Yadav, M.R. , Parihar, C.M., Jat, S.L., Singh, A.K., Kumar, R., Yadav, R.K., Kuri, B.R., Parihar, M.D., Verma, A.P. and Jat, M.L., 2017. Impact of legume intensified crop rotations and tillage practices on maize productivity vis-à-vis C and N dynamics of a sandy loam soil in North-western Indo-Gangetic plains of India. Legume Research 40(6)2017 : 1028-1037
9.	Rakesh Kumar, M R Yadav, Mohd Arif, D M Mahala, Dinesh Kumar, P C Ghasal, K C Yadav and R K Verma: Multiple agroecosystem services of forage legumes towards agriculture sustainability: An overview. Indian Journal of Agricultural Sciences 90 (8): 1367–77.
10.	Sudesh Kumar, P. K. Sharma, M.R. Yadav , Rani Saxena, K.C. Gupta, Rakesh Kumar, Nitin Garg, H.L Yadav. 2019. Effect of Irrigation Levels and Moisture Conserving Polymers on Productivity and Profitability of Wheat. Indian Journal of Agricultural Sciences 89(3):509-514.
11.	M.R. Yadav , Y.K. Sinsinwar, Vijay Pooniya, K.C. Gupta, Rani Saxena, Nitin Garg: Performance of Groundnut Under Different Phosphorus Management Options. Indian Journal of Agricultural Sciences . 2019; 89(3):946-950.
12	R. Sammauria, O.P. Meena, M.R. Yadav , K.C. Gupta, A.K. Gupta, H.L. Yadav. 2019. Crop diversification of predominant Pearl millet-based cropping system for higher productivity, resource-use efficiency and profitability in Semi-Arid Rajasthan. Legume Research , 43 (4) 568-572
13	Akansha Tamta, Rakesh Kumar, Hardev Ram, R. K. Meena, Uttam Kumar, M.R. Yadav , Adarsh Pandey, Subrahmanya D. J. 2019. Nutritional Portfolio of Maize and Cowpea Fodder Under Various Intercropping Ratio and Nitrogen Fertilization. Indian Journal of Animal Sciences ; 89(3):276-280.
14	Sudesh Kumar, P.K. Sharma, M.R. Yadav , R. Saxena, K.C. Gupta, N. Garg, H.L Yadav: Impact of Nutrient Management Practices and Plant Growth Regulators on

	Productivity and Profitability of Wheat. Indian Journal of Agricultural Sciences , 2019; 89(4):604-609.
15	Kumar, Rakesh. M. Singh, B.S. Meena, H. Ram, C.M. Parihar, Sourabh Kumar, M.R. Yadav , R.K. Meena, U. Kumar, V.K. Meena. 2017. Zinc Management effects on Quality and Nutrient Yield of Fodder Maize (<i>Zea mays</i> L.). Indian Journal of Agricultural Sciences 87 (8): 1013–7
16	Kumar, Rakesh. M. Singh, B.S. Meena, H. Ram, C.M. Parihar, Sourabh Kumar, M.R. Yadav , R.K. Meena, U. Kumar, V.K. Meena. 2017. Quality Characteristics and Nutrient Yield of Fodder Maize as Influenced by Seeding Density and Nutrient Levels in Indo-Gangetic Plains. Indian Journal of Agricultural Sciences . 87(9):1203-1208
17	Makarana, G., Yadav, R.K., Kumar, R., Soni, P.G., Yadav, T., Yadav, M.R. , Datt, C., Rathore, D.K., Kar, S. and Meena, V.K., 2017. Fodder Yield and Quality of Pearl Millet (<i>Pennisetum glaucum</i> L.) Genotypes as Influenced by Salinity of Irrigation Water in North Western India. Indian Journal of Animal Nutrition 34(1):56-63.
18.	Meena, V.K., Kaushik, M.K., Singh, M., Kumar, R., Meena, R. K., Meena, B.L., Meena, B.P., Ram, H., Kumar, U., Yadav, M.R. , Makarana, G., Kumar, S. and Joshi, Deepa. 2016. Performance of cluster bean cultivars under the application of various agrochemicals in Sub - Humid area of Rajasthan, India. Legume Research 39(6):982-986
19.	Nagesh Yadav, S.S. Yadav, M.R. Yadav and Rakesh Kumar: Sulphur management in groundnut for higher productivity and profitability under Semi-Arid condition of Rajasthan, India. Legume Research , 2019; 42(4):512-17
20	Meena, B.P., Singh, P., Meena, V.K., Ram, Hardev., Yadav, M.R. , Kumar, Rakesh., Meena, R.K and Puniya, M.M. Performance of summer maize under varying irrigation levels and agrochemicals in sub humid southern prain and aravalli hils of Rajasthan. 2017.
21.	Rakesh Kumar, Dinesh Kumar, Chander Datt, Govind Makarana, M.R. Yadav , Birbal Meel: Forage Yield and Nutritional Characteristics of Cultivated Fodders as Affected by Agronomic Interventions: A Review. Indian Journal of Animal Nutrition 35(4):373-385
22	O.P. Meena, M.R. Yadav , Vipin Kumar, S.K. Goyal, A.K. Meena, H.L. Yadav, V.K. Meena. 2021. Effect of Different Weed Management Practices on Weed Dynamics, Productivity and Farm Profitability of Cluster Bean. Legume Research (Accepted) DOI:10.18805/LR-4303
23	S.K. Jain, L.D. Sharma, K.C. Gupta, Vipin Kumar, M.R. Yadav . 2021. Variability and Character Association for Yield and Quantitative Traits under Late Sown

	Conditions in Chickpea (<i>Cicer arietinum</i> L.). Legume Research . (Accepted) DOI:10.18805/LR-4432.
24	Devendra Singh Ginwal, Rakesh Kumar, Hardev Ram, R K Meena, M R Yadav , Govind Makarana, Avinash Chauhan, Manjunath S K and Uttam Kumar. 2021. Evaluation of Productivity and Quality of forage sorghum and legumes crops under varying intercropping combinations. Indian Journal of Animal Sciences ; 91(3) (Accepted)
25	Dinesh Kumar, Magan Singh, Sanjeev Kumar, Rajesh Kumar Meena, M.R. Yadav , Govind Makarana, Manish Kushwaha, Susanta Dutta and Rakesh Kumar. 2021. Enhancement in productivity and quality of fodder maize cultivars through integrated nutrient management strategies. Indian Journal of Agricultural Sciences . 92 (1): 126-130.
26	Kumar, D., Singh, M.R. Yadav , M.R., Makarana, G., Kushwaha, M., Dutta, S. and Bhattacharjee, S. 2021. Growth and yield performance of fodder oats grown under different nutrient management practices. Indian Journal of Agricultural Sciences , 92 (2): 267-72.
27	Meena, R. K., Singh, Y. V., Shivay, Y. S., Kumar, D., Kumar, R., Ram, H. and Yadav, M. R. 2022. Rice performance as influenced by crop establishment methods, green organic mulches and rates of nitrogen fertilization along with liquid <i>Azotobacter chroococcum</i> . Journal of Plant Nutrition , 1-22. (Published online on 27 April, 2022).
28	O.P. Meena, M.R. Yadav , Vipin Kumar, S.K. Goyal, A.K. Meena, H.L. Yadav, V.K. Meena. 2022. Effect of Different Weed Management Practices on Weed Dynamics, Productivity and Farm Profitability of Cluster Bean. Legume Research , 45(1): 128-131
29	Meena, O. P., Kumar, V., Jain, S. K., Yadav, M. R., Meena, B. R., Meena, R. K., & Yadav, S. K. (2022). Effect of Crop Establishment Methods and Weed Management Practices on Productivity and Profitability of Clusterbean under Semi-arid Region of Rajasthan. Legume Research: An International Journal , 45(4).481-486
30	Manjunatha, S.K., Kumar, R., Ram, R., Meena, R. K., Yadav, M. R. , Makarana, G. and Kumar, U. 2022. Growth, yield and economics of fodder maize (<i>Zea mays</i>) as influenced by Jeevamrutha formulations under varying nutrient levels. Indian Journal of Agricultural Sciences 92(5): 607–10.

Awards Received:

S.No	Name of Award	Conferred by	Year
1.	ICAR-JRF	ICAR, New Delhi	2013
2.	ICAR-SRF	ICAR, New Delhi	2015
3.	ISA-Best Thesis Award	Indian Society of Agronomy, New Delhi	2018

4.	Best Ph.D Thesis Award	Range Management Society of India	2022
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Members of professional societies

1. Member in Reviewer Board of Journal of Agriculture Food and Development (International Journal)
2. Life member of Indian Society of Agronomy, New Delhi
3. Life Member of Indian Society of Animal Nutrition, Karnal, Haryana
4. Life Member of Range Management Society of India, Jhansi, U.P.

Important links

Google scholar	https://scholar.google.com/citations?user=9tY24MAAAAJ&hl=en&authuser=4
ResearchGate	https://www.researchgate.net/profile/Mr-Yadav/research
Orcid	https://orcid.org/0000-0003-4037-7243



Signature of the Applicant