

# M L Jat

## List of Publications by Year in descending order

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147  
papers

8,737  
citations

41344

49  
h-index

53230

85  
g-index

150  
all docs

150  
docs citations

150  
times ranked

5312  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adoption of climate-smart agriculture technology in drought-prone area of India – implications on farmers' livelihoods. <i>Journal of Agribusiness in Developing and Emerging Economies</i> , 2022, 12, 824-848.	2.0	9
2	Impact of long term conservation agriculture on soil quality under cereal based systems of North West India. <i>Geoderma</i> , 2022, 405, 115391.	5.1	21
3	Rice yield gaps and nitrogen-use efficiency in the Northwestern Indo-Gangetic Plains of India: Evidence based insights from heterogeneous farmers' practices. <i>Field Crops Research</i> , 2022, 275, 108328.	5.1	22
4	Stability of humic acid carbon under conservation agriculture practices. <i>Soil and Tillage Research</i> , 2022, 216, 105240.	5.6	14
5	Point placement of late vegetative stage nitrogen splits increase the productivity, N-use efficiency and profitability of tropical maize under decade long conservation agriculture. <i>European Journal of Agronomy</i> , 2022, 133, 126417.	4.1	13
6	Influence of Residue Type and Method of Placement on Dynamics of Decomposition and Nitrogen Release in Maize-Wheat-Mungbean Cropping on Permanent Raised Beds: A Litterbag Study. <i>Sustainability</i> , 2022, 14, 864.	3.2	5
7	Climate smart agricultural practices improve soil quality through organic carbon enrichment and lower greenhouse gas emissions in farms of bread bowl of India. <i>Soil Research</i> , 2022, 60, 455-469.	1.1	8
8	Redesigning of Farming Systems Using a Multi-Criterion Assessment Tool for Sustainable Intensification and Nutritional Security in Northwestern India. <i>Sustainability</i> , 2022, 14, 3892.	3.2	5
9	A Decade of Climate-Smart Agriculture in Major Agri-Food Systems: Earthworm Abundance and Soil Physico-Biochemical Properties. <i>Agronomy</i> , 2022, 12, 658.	3.0	3
10	Conservation Agriculture Benefits Indian Farmers, but Technology Targeting Needed for Greater Impacts. <i>Frontiers in Agronomy</i> , 2022, 4, .	3.3	7
11	Carbon sequestration potential, challenges, and strategies towards climate action in smallholder agricultural systems of South Asia. , 2022, 1, 86-101.		18
12	Water budgeting in conservation agriculture-based sub-surface drip irrigation using HYDRUS-2D in rice under annual rotation with wheat in Western Indo-Gangetic Plains. <i>Field Crops Research</i> , 2022, 282, 108519.	5.1	14
13	The optimization of conservation agriculture practices requires attention to location-specific performance: Evidence from large scale gridded simulations across South Asia. <i>Field Crops Research</i> , 2022, 282, 108508.	5.1	8
14	Long-term conservation agriculture helps in the reclamation of sodic soils in major agri-food systems. <i>Land Degradation and Development</i> , 2022, 33, 2423-2439.	3.9	2
15	Co-implementation of precision nutrient management in long-term conservation agriculture-based systems: A step towards sustainable energy-water-food nexus. <i>Energy</i> , 2022, 254, 124243.	8.8	6
16	Energy and economic efficiency of climate-smart agriculture practices in a rice-wheat cropping system of India. <i>Scientific Reports</i> , 2022, 12, .	3.3	14
17	Changing agricultural stubble burning practices in the Indo-Gangetic plains: is the Happy Seeder a profitable alternative?. <i>International Journal of Agricultural Sustainability</i> , 2021, 19, 128-151.	3.5	19
18	Conservation Agriculture: factors and drivers of adoption and scalable innovative practices in Indo-Gangetic plains of India – a review. <i>International Journal of Agricultural Sustainability</i> , 2021, 19, 40-55.	3.5	28

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19	Tillage, green manure and residue management accelerate soil carbon pools and hydrolytic enzymatic activities for conservation agriculture based rice-wheat systems. <i>Communications in Soil Science and Plant Analysis</i> , 2021, 52, 470-486.	1.4	14
20	Automation in drip irrigation for enhancing water use efficiency in cereal systems of South Asia: Status and prospects. <i>Advances in Agronomy</i> , 2021, 167, 247-300.	5.2	13
21	Crop nutrient management using Nutrient Expert improves yield, increases farmers' income and reduces greenhouse gas emissions. <i>Scientific Reports</i> , 2021, 11, 1564.	3.3	47
22	Soil enzymes activity: Effect of climate smart agriculture on rhizosphere and bulk soil under cereal based systems of north-west India. <i>European Journal of Soil Biology</i> , 2021, 103, 103292.	3.2	31
23	Mitigating agriculture's contribution to air pollution in India. <i>Lancet Planetary Health</i> , The, 2021, 5, e186.	11.4	3
24	Factors affecting farmers' use of organic and inorganic fertilizers in South Asia. <i>Environmental Science and Pollution Research</i> , 2021, 28, 51480-51496.	5.3	46
25	Conservation Agriculture Effects on Soil Water Holding Capacity and Water-Saving Varied with Management Practices and Agroecological Conditions: A Review. <i>Agronomy</i> , 2021, 11, 1681.	3.0	32
26	Climate-smart agriculture practices influence weed density and diversity in cereal-based agri-food systems of western Indo-Gangetic plains. <i>Scientific Reports</i> , 2021, 11, 15901.	3.3	10
27	Water budgeting in conservation agriculture-based sub-surface drip irrigation in tropical maize using HYDRUS-2D in South Asia. <i>Scientific Reports</i> , 2021, 11, 16770.	3.3	9
28	Response and resilience of Asian agrifood systems to COVID-19: An assessment across twenty-five countries and four regional farming and food systems. <i>Agricultural Systems</i> , 2021, 193, 103168.	6.1	41
29	Farm typology for planning targeted farming systems interventions for smallholders in Indo-Gangetic Plains of India. <i>Scientific Reports</i> , 2021, 11, 20978.	3.3	9
30	Precision Nutrient Rates and Placement in Conservation Maize-Wheat System: Effects on Crop Productivity, Profitability, Nutrient-Use Efficiency, and Environmental Footprints. <i>Agronomy</i> , 2021, 11, 2320.	3.0	10
31	Effect of Climate-Smart Agriculture Practices on Climate Change Adaptation, Greenhouse Gas Mitigation and Economic Efficiency of Rice-Wheat System in India. <i>Agriculture (Switzerland)</i> , 2021, 11, 1269.	3.1	10
32	Using Sentinel-2 to Track Field-Level Tillage Practices at Regional Scales in Smallholder Systems. <i>Remote Sensing</i> , 2021, 13, 5108.	4.0	4
33	Does climate-smart village approach influence gender equality in farming households? A case of two contrasting ecologies in India. <i>Climatic Change</i> , 2020, 158, 77-90.	3.6	20
34	Climate change and agriculture in South Asia: adaptation options in smallholder production systems. <i>Environment, Development and Sustainability</i> , 2020, 22, 5045-5075.	5.0	294
35	Evaluation of N fertilization management strategies for increasing crop yields and nitrogen use efficiency in furrow-irrigated maize-wheat system under permanent raised bed planting. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 1302-1317.	2.6	4
36	Identifying optimum rates of fertilizer nitrogen application to maximize economic return and minimize nitrous oxide emission from rice-wheat systems in the Indo-Gangetic Plains of India. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 2039-2054.	2.6	31

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37	Agricultural labor, COVID-19, and potential implications for food security and air quality in the breadbasket of India. <i>Agricultural Systems</i> , 2020, 185, 102954.	6.1	58
38	Farm-level exploration of economic and environmental impacts of sustainable intensification of rice-wheat cropping systems in the Eastern Indo-Gangetic plains. <i>European Journal of Agronomy</i> , 2020, 121, 126157.	4.1	12
39	Learning adaptation to climate change from past climate extremes. <i>International Journal of Climate Change Strategies and Management</i> , 2020, 12, 128-146.	2.9	10
40	Agricultural sustainability under emerging climatic variability: the role of climate-smart agriculture and relevant policies in India. <i>International Journal of Innovation and Sustainable Development</i> , 2020, 14, 219.	0.4	43
41	Topsoil Bacterial Community Changes and Nutrient Dynamics Under Cereal Based Climate-Smart Agri-Food Systems. <i>Frontiers in Microbiology</i> , 2020, 11, 1812.	3.5	10
42	Using a positive deviance approach to inform farming systems redesign: A case study from Bihar, India. <i>Agricultural Systems</i> , 2020, 185, 102942.	6.1	16
43	Designing profitable, resource use efficient and environmentally sound cereal based systems for the Western Indo-Gangetic plains. <i>Scientific Reports</i> , 2020, 10, 19267.	3.3	26
44	Portfolios of Climate Smart Agriculture Practices in Smallholder Rice-Wheat System of Eastern Indo-Gangetic Plains—Crop Productivity, Resource Use Efficiency and Environmental Foot Prints. <i>Agronomy</i> , 2020, 10, 1561.	3.0	16
45	Major Climate risks and Adaptation Strategies of Smallholder Farmers in Coastal Bangladesh. <i>Environmental Management</i> , 2020, 66, 105-120.	2.7	67
46	Achieving the sustainable development goals in agriculture: The crucial role of nitrogen in cereal-based systems. <i>Advances in Agronomy</i> , 2020, , 39-116.	5.2	67
47	Conservation Agriculture-based Sustainable Intensification of Cereal Systems Leads to Energy Conservation, Higher Productivity and Farm Profitability. <i>Environmental Management</i> , 2020, 65, 774-786.	2.7	37
48	Indian agriculture, air pollution, and public health in the age of COVID. <i>World Development</i> , 2020, 135, 105064.	4.9	15
49	Maize yield in smallholder agriculture system—An approach integrating socio-economic and crop management factors. <i>PLoS ONE</i> , 2020, 15, e0229100.	2.5	35
50	Effect of conservation agriculture on soil organic and inorganic carbon sequestration and lability: A study from a rice-wheat cropping system on a calcareous soil of the eastern Indo-Gangetic Plains. <i>Soil Use and Management</i> , 2020, 36, 429-438.	4.9	31
51	Energy use efficiency of crop residue management for sustainable energy and agriculture conservation in NW India. <i>Renewable Energy</i> , 2020, 155, 1372-1382.	8.9	52
52	Conservation agriculture for sustainable intensification in South Asia. <i>Nature Sustainability</i> , 2020, 3, 336-343.	23.7	135
53	Temporal changes in soil microbial properties and nutrient dynamics under climate smart agriculture practices. <i>Soil and Tillage Research</i> , 2020, 199, 104595.	5.6	47
54	Soil quality and carbon sequestration under conservation agriculture with balanced nutrition in intensive cereal-based system. <i>Soil and Tillage Research</i> , 2020, 202, 104653.	5.6	38

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55	Fields on fire: Alternatives to crop residue burning in India. <i>Science</i> , 2019, 365, 536-538.	12.6	121
56	Conservation agriculture based sustainable intensification of basmati rice-wheat system in North-West India. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 1370-1386.	2.6	32
57	Assessing climate adaptation options for cereal-based systems in the eastern Indo-Gangetic Plains, South Asia. <i>Journal of Agricultural Science</i> , 2019, 157, 189-210.	1.3	10
58	Carbon mineralization in soil as influenced by crop residue type and placement in an Alfisols of Northwest India. <i>Carbon Management</i> , 2019, 10, 37-50.	2.4	32
59	Soil hydraulic response to conservation agriculture under irrigated intensive cereal-based cropping systems in a semiarid climate. <i>Soil and Tillage Research</i> , 2019, 192, 151-163.	5.6	27
60	Climate Smart Agriculture practices improve soil organic carbon pools, biological properties and crop productivity in cereal-based systems of North-West India. <i>Catena</i> , 2019, 181, 104059.	5.0	73
61	Effects of crop residue retention on soil carbon pools after 6 years of rice-wheat cropping system. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	36
62	Effects of tillage, crop establishment and diversification on soil organic carbon, aggregation, aggregate associated carbon and productivity in cereal systems of semi-arid Northwest India. <i>Soil and Tillage Research</i> , 2019, 190, 128-138.	5.6	102
63	Dependence of temperature sensitivity of soil organic carbon decomposition on nutrient management options under conservation agriculture in a sub-tropical Inceptisol. <i>Soil and Tillage Research</i> , 2019, 190, 50-60.	5.6	33
64	Effect of conservation agriculture on stratification of soil organic matter under cereal-based cropping systems. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 2013-2028.	2.6	27
65	Drip irrigation and nitrogen management for improving crop yields, nitrogen use efficiency and water productivity of maize-wheat system on permanent beds in north-west India. <i>Agricultural Water Management</i> , 2019, 219, 19-26.	5.6	79
66	Differential response from nitrogen sources with and without residue management under conservation agriculture on crop yields, water-use and economics in maize-based rotations. <i>Field Crops Research</i> , 2019, 236, 96-110.	5.1	34
67	Sub-surface drip fertigation with conservation agriculture in a rice-wheat system: A breakthrough for addressing water and nitrogen use efficiency. <i>Agricultural Water Management</i> , 2019, 216, 273-283.	5.6	71
68	Re-designing irrigated intensive cereal systems through bundling precision agronomic innovations for transitioning towards agricultural sustainability in North-West India. <i>Scientific Reports</i> , 2019, 9, 17929.	3.3	39
69	Ten years of conservation agriculture in a rice-maize rotation of Eastern Gangetic Plains of India: Yield trends, water productivity and economic profitability. <i>Field Crops Research</i> , 2019, 232, 1-10.	5.1	53
70	Business models of SMEs as a mechanism for scaling climate smart technologies: The case of Punjab, India. <i>Journal of Cleaner Production</i> , 2019, 210, 1109-1119.	9.3	40
71	Impact of tillage and crop establishment methods on crop yields, profitability and soil physical properties in rice-wheat system of Indo-Gangetic Plains of India. <i>Soil Use and Management</i> , 2019, 35, 303-313.	4.9	16
72	Cost-effective opportunities for climate change mitigation in Indian agriculture. <i>Science of the Total Environment</i> , 2019, 655, 1342-1354.	8.0	89

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73	Agricultural sustainability under emerging climatic variability: The role of climate-smart agriculture and relevant policies in India. <i>International Journal of Innovation and Sustainable Development</i> , 2019, 1, 1.	0.4	6
74	Sustainable intensification influences soil quality, biota, and productivity in cereal-based agroecosystems. <i>Applied Soil Ecology</i> , 2018, 126, 189-198.	4.3	68
75	Adoption of multiple climate-smart agricultural practices in the Gangetic plains of Bihar, India. <i>International Journal of Climate Change Strategies and Management</i> , 2018, 10, 407-427.	2.9	95
76	Conservation agriculture and precision nutrient management practices in maize-wheat system: Effects on crop and water productivity and economic profitability. <i>Field Crops Research</i> , 2018, 222, 111-120.	5.1	47
77	Factors determining the adoption of laser land leveling in the irrigated rice-wheat system in Haryana, India. <i>Journal of Crop Improvement</i> , 2018, 32, 477-492.	1.7	19
78	Heat stress and yield stability of wheat genotypes under different sowing dates across agro-ecosystems in India. <i>Field Crops Research</i> , 2018, 218, 33-50.	5.1	19
79	Soil Processes and Wheat Cropping Under Emerging Climate Change Scenarios in South Asia. <i>Advances in Agronomy</i> , 2018, 148, 111-171.	5.2	33
80	Evaluating alternatives to rice-wheat system in western Indo-Gangetic Plains: Crop yields, water productivity and economic profitability. <i>Field Crops Research</i> , 2018, 218, 1-10.	5.1	50
81	Effect of tillage and crop establishment, residue management and K fertilization on yield, K use efficiency and apparent K balance under rice-maize system in north-western India. <i>Field Crops Research</i> , 2018, 224, 1-12.	5.1	58
82	Performance of portfolios of climate smart agriculture practices in a rice-wheat system of western Indo-Gangetic plains. <i>Agricultural Water Management</i> , 2018, 202, 122-133.	5.6	48
83	Assessing soil properties and nutrient availability under conservation agriculture practices in a reclaimed sodic soil in cereal-based systems of North-West India. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 531-545.	2.6	164
84	Climate smart agriculture, farm household typologies and food security. <i>Agricultural Systems</i> , 2018, 159, 57-68.	6.1	99
85	Energy auditing of long-term conservation agriculture based irrigated intensive maize systems in semi-arid tropics of India. <i>Energy</i> , 2018, 142, 289-302.	8.8	36
86	Long-Term Conservation Agriculture and Intensified Cropping Systems: Effects on Growth, Yield, Water, and Energy-use Efficiency of Maize in Northwestern India. <i>Pedosphere</i> , 2018, 28, 952-963.	4.0	24
87	Burning issues of paddy residue management in north-west states of India. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 693-706.	16.4	217
88	Conservation agriculture effects on crop and water productivity, profitability and soil organic carbon accumulation under a maize-wheat cropping system in the North-western Indo-Gangetic Plains. <i>Field Crops Research</i> , 2018, 215, 222-231.	5.1	76
89	Changes in soil biology under conservation agriculture based sustainable intensification of cereal systems in Indo-Gangetic Plains. <i>Geoderma</i> , 2018, 313, 193-204.	5.1	124
90	Soil biological properties and fungal diversity under conservation agriculture in Indo-Gangetic Plains of India. <i>Journal of Soil Science and Plant Nutrition</i> , 2018, , 0-0.	3.4	10

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91	Changes in soil biochemical indicators at different wheat growth stages under conservation-based sustainable intensification of rice-wheat system. <i>Journal of Integrative Agriculture</i> , 2018, 17, 1871-1880.	3.5	16
92	Soil bacterial diversity under conservation agriculture-based cereal systems in Indo-Gangetic Plains. <i>3 Biotech</i> , 2018, 8, 304.	2.2	23
93	Changes in carbon pools and biological activities of a sandy loam soil under medium-term conservation agriculture and diversified cropping systems. <i>European Journal of Soil Science</i> , 2018, 69, 902-912.	3.9	43
94	Soil biochemical changes at different wheat growth stages in response to conservation agriculture practices in a rice-wheat system of north-western India. <i>Soil Research</i> , 2018, 56, 91.	1.1	49
95	Long-term impact of conservation agriculture and diversified maize rotations on carbon pools and stocks, mineral nitrogen fractions and nitrous oxide fluxes in inceptisol of India. <i>Science of the Total Environment</i> , 2018, 640-641, 1382-1392.	8.0	52
96	RELAY SOWING OF WHEAT IN THE COTTON-WHEAT CROPPING SYSTEM IN NORTH-WEST INDIA: TECHNICAL AND ECONOMIC ASPECTS. <i>Experimental Agriculture</i> , 2017, 53, 539-552.	0.9	6
97	Soil organic carbon changes after seven years of conservation agriculture in a rice-wheat system of the eastern Indo-Gangetic Plains. <i>Soil Use and Management</i> , 2017, 33, 81-89.	4.9	63
98	Gender and inorganic nitrogen: what are the implications of moving towards a more balanced use of nitrogen fertilizer in the tropics?. <i>International Journal of Agricultural Sustainability</i> , 2017, 15, 136-152.	3.5	33
99	Bio-energy, water-use efficiency and economics of maize-wheat-mungbean system under precision-conservation agriculture in semi-arid agro-ecosystem. <i>Energy</i> , 2017, 119, 245-256.	8.8	80
100	A global analysis of alternative tillage and crop establishment practices for economically and environmentally efficient rice production. <i>Scientific Reports</i> , 2017, 7, 9342.	3.3	94
101	Effects of precision conservation agriculture in a maize-wheat-mungbean rotation on crop yield, water-use and radiation conversion under a semiarid agro-ecosystem. <i>Agricultural Water Management</i> , 2017, 192, 306-319.	5.6	53
102	Reducing Global Warming Potential through Sustainable Intensification of Basmati Rice-Wheat Systems in India. <i>Sustainability</i> , 2017, 9, 1044.	3.2	27
103	Strategies for improving nitrogen use efficiency: A review. <i>Agricultural Reviews</i> , 2017, , .	0.1	31
104	Conservation Agriculture and Soil Quality An Overview. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2017, 6, 707-734.	0.1	10
105	Predicting Yield and Stability Analysis of Wheat under Different Crop Management Systems across Agro-Ecosystems in India. <i>American Journal of Plant Sciences</i> , 2017, 08, 1977-2012.	0.8	10
106	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. <i>Legume Research</i> , 2017, , .	0.1	2
107	Conservation agriculture in irrigated intensive maize-based systems of north-western India: Effects on crop yields, water productivity and economic profitability. <i>Field Crops Research</i> , 2016, 193, 104-116.	5.1	109
108	Effects of conservation agriculture on crop productivity and water-use efficiency under an irrigated pigeonpea-wheat cropping system in the western Indo-Gangetic Plains. <i>Journal of Agricultural Science</i> , 2016, 154, 1327-1342.	1.3	33

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109	Yield Estimation of Food and Non-food Crops in Smallholder Production Systems. , 2016, , 163-174.		22
110	Climate Change and Agriculture: Adaptation Strategies and Mitigation Opportunities for Food Security in South Asia and Latin America. <i>Advances in Agronomy</i> , 2016, 137, 127-235.	5.2	108
111	Evaluation of tillage and crop establishment methods integrated with relay seeding of wheat and mungbean for sustainable intensification of cotton-wheat system in South Asia. <i>Field Crops Research</i> , 2016, 199, 31-41.	5.1	12
112	Conservation agriculture-based wheat production better copes with extreme climate events than conventional tillage-based systems: A case of untimely excess rainfall in Haryana, India. <i>Agriculture, Ecosystems and Environment</i> , 2016, 233, 325-335.	5.3	67
113	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. <i>Soil and Tillage Research</i> , 2016, 161, 116-128.	5.6	127
114	Does conservation agriculture deliver climate change mitigation through soil carbon sequestration in tropical agro-ecosystems?. <i>Agriculture, Ecosystems and Environment</i> , 2016, 220, 164-174.	5.3	282
115	Herbicide options for effective weed management in dry direct-seeded rice under scented rice-wheat rotation of western Indo-Gangetic Plains. <i>Crop Protection</i> , 2016, 81, 168-176.	2.1	52
116	Soil physical properties, yield trends and economics after five years of conservation agriculture based rice-maize system in north-western India. <i>Soil and Tillage Research</i> , 2016, 155, 133-148.	5.6	109
117	ON-FARM ECONOMIC AND ENVIRONMENTAL IMPACT OF ZERO-TILLAGE WHEAT: A CASE OF NORTH-WEST INDIA. <i>Experimental Agriculture</i> , 2015, 51, 1-16.	0.9	93
118	Development and evaluation of the Turbo Happy Seeder for sowing wheat into heavy rice residues in NW India. <i>Field Crops Research</i> , 2015, 184, 201-212.	5.1	134
119	Management influence on maize-wheat system performance, water productivity and soil biology. <i>Soil Use and Management</i> , 2015, 31, 534-543.	4.9	47
120	Nitrogen management for zero till wheat with surface retention of rice residues in north-west India. <i>Field Crops Research</i> , 2015, 184, 183-191.	5.1	43
121	Reply to 'No-till agriculture and climate change mitigation'. <i>Nature Climate Change</i> , 2015, 5, 489-489.	18.8	9
122	Tillage, residue and nitrogen management effects on methane and nitrous oxide emission from rice-wheat system of Indian Northwest Indo-Gangetic Plains. <i>Journal of Integrative Environmental Sciences</i> , 2015, 12, 31-46.	2.5	38
123	Site-specific fertilizer nitrogen management in irrigated transplanted rice ( <i>Oryza sativa</i> ) using an optical sensor. <i>Precision Agriculture</i> , 2015, 16, 455-475.	6.0	52
124	Impacts of laser land leveling in rice-wheat systems of the north-western indo-gangetic plains of India. <i>Food Security</i> , 2015, 7, 725-738.	5.3	82
125	Climate change adaptation, greenhouse gas mitigation and economic profitability of conservation agriculture: Some examples from cereal systems of Indo-Gangetic Plains. <i>Journal of Integrative Agriculture</i> , 2015, 14, 1524-1533.	3.5	110
126	Farmers, food and climate change: ensuring community-based adaptation is mainstreamed into agricultural programmes. <i>Climate and Development</i> , 2014, 6, 318-328.	3.9	63



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127	Nutrient Management and Use Efficiency in Wheat Systems of South Asia. <i>Advances in Agronomy</i> , 2014, 125, 171-259.	5.2	48
128	Understanding biophysical and socio-economic determinants of maize ( <i>Zea mays</i> L.) yield variability in eastern India. <i>Njas - Wageningen Journal of Life Sciences</i> , 2014, 70-71, 79-93.	7.7	24
129	Limited potential of no-till agriculture for climate change mitigation. <i>Nature Climate Change</i> , 2014, 4, 678-683.	18.8	594
130	Improving Water Productivity of Wheat-Based Cropping Systems in South Asia for Sustained Productivity. <i>Advances in Agronomy</i> , 2014, , 157-258.	5.2	91
131	Reprint of "Optimizing intensive cereal-based cropping systems addressing current and future drivers of agricultural change in the Northwestern Indo-Gangetic Plains of India": <i>Agriculture, Ecosystems and Environment</i> , 2014, 187, 33-46.	5.3	34
132	Precision nutrient management in conservation agriculture based wheat production of Northwest India: Profitability, nutrient use efficiency and environmental footprint. <i>Field Crops Research</i> , 2014, 155, 233-244.	5.1	159
133	Conservation agriculture in an irrigated cotton-wheat system of the western Indo-Gangetic Plains: Crop and water productivity and economic profitability. <i>Field Crops Research</i> , 2014, 158, 24-33.	5.1	115
134	Seven years of conservation agriculture in a rice-wheat rotation of Eastern Gangetic Plains of South Asia: Yield trends and economic profitability. <i>Field Crops Research</i> , 2014, 164, 199-210.	5.1	252
135	Effect of different tillage and seeding methods on energy use efficiency and productivity of wheat in the Indo-Gangetic Plains. <i>Field Crops Research</i> , 2013, 142, 1-8.	5.1	109
136	Optimizing intensive cereal-based cropping systems addressing current and future drivers of agricultural change in the northwestern Indo-Gangetic Plains of India. <i>Agriculture, Ecosystems and Environment</i> , 2013, 177, 85-97.	5.3	196
137	RELAY PLANTING OF WHEAT IN COTTON: AN INNOVATIVE TECHNOLOGY FOR ENHANCING PRODUCTIVITY AND PROFITABILITY OF WHEAT IN COTTON-WHEAT PRODUCTION SYSTEM OF SOUTH ASIA. <i>Experimental Agriculture</i> , 2013, 49, 19-30.	0.9	19
138	Double no-till and permanent raised beds in maize-wheat rotation of north-western Indo-Gangetic plains of India: Effects on crop yields, water productivity, profitability and soil physical properties. <i>Field Crops Research</i> , 2013, 149, 291-299.	5.1	145
139	Potassium Fertilization in Rice-Wheat System across Northern India: Crop Performance and Soil Nutrients. <i>Agronomy Journal</i> , 2013, 105, 471-481.	1.8	37
140	Productivity and Sustainability of the Rice-Wheat Cropping System in the Indo-Gangetic Plains of the Indian subcontinent. <i>Advances in Agronomy</i> , 2012, , 315-369.	5.2	287
141	Layering Precision Land Leveling and Furrow Irrigated Raised Bed Planting: Productivity and Input Use Efficiency of Irrigated Bread Wheat in Indo-Gangetic Plains. <i>American Journal of Plant Sciences</i> , 2011, 02, 578-588.	0.8	57
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145	Evaluation of precision land leveling and double zero-till systems in the rice-wheat rotation: Water use, productivity, profitability and soil physical properties. <i>Soil and Tillage Research</i> , 2009, 105, 112-121.	5.6	236
146	Estimation of Aquifer Parameters by Least-Squares Method under Linear Flow Conditions in Fractured Rocks. <i>Hydrology Research</i> , 1995, 26, 111-124.	2.7	2
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