

# ICAR-NBSS&LUP PUBLICATIONS 2012-2017

2016-17

Research Publications having NAAS rating > 6.0

S.No.	Research Paper	NAAS Rating/IF
1.	Moharana, P.C. and Biswas, D.R. 2016. Assessment of maturity indices of rock phosphate enriched composts using variable crop residues. <i>Bioresource Technology</i> , <b>222</b> :1-13.	10.92
2.	Suresh Kumar, Raizada, A., Biswas, H., Srinivas, S. and Mondal, B. 2016. Application of indicators for identifying climate change vulnerable areas in semi-arid regions of India. <i>Ecological Indicators</i> , <b>70</b> :507-517.	9.19
3.	Vasu D., Singh S.K., Ray S.K., Duraisami V.P., Tiwary P., Chandran P., Nimkar A.M. and Anantwar S.G. 2016. Soil quality index as a tool to evaluate crop productivity in semi-arid Deccan plateau, India. <i>Geoderma</i> , <b>282</b> :70-79.	8.86
4.	Vasu D., Singh S.K., Sahu N., Tiwary P., Chandran P., Duraisami V.P., Ramamurthy V., Lalitha M. and Kalaiselvi B. 2017. Assessment of spatial variability of soil properties using geospatial techniques for farm level nutrient management. <i>Soil and Tillage Research</i> , <b>169</b> : 25-34.	8.71
5.	Dharumarajan, S., Lalitha, M., Natarajan, A., Naidu, L.G.K., Balasubramanian, R., Hegde, R., Vasundhara, R., Anil Kumar, K. S. and Singh, S.K. 2017. Biophysical and socio economic causes for increasing fallow lands in Tamil Nadu. <i>Soil Use and Management</i> . DOI:10.1111/sum.12361	7.82
6.	Chattaraj, S., Srivastava, R., Barthwal, A. K., Giri, J. D., Mohekar, D. S., Obi Reddy, G. P., Daripa, A., Chatterji S. and Singh S.K. 2017. Semi-automated object-based landform classification modelling in a part of the Deccan Plateau of central India, <i>International Journal of Remote Sensing</i> , <b>38(17)</b> :4855-4867.	7.64
7.	Vasu D., Singh S.K., Tiwary P, Chandran P., Ray S.K. and Duraisami V.P. 2017. Pedogenic processes and soil-landform relationships for identification of yield-limiting soil properties. <i>Soil Research</i> , <b>55(3)</b> :273-284.	7.61
8.	Patil, N.G. and Singh S.K. 2016. Pedotransfer functions for estimating soil hydraulic properties: A Review. <i>Pedosphere</i> , <b>26(4)</b> :417-430.	7.54
9.	Moharana, P.C., Naitam, R.K., Verma, T.P., Meena, R.L., Sunil Kumar, Tailor, B.L., Singh, R.S., Singh, S.K. and Samal, S.K. 2017. Effect of long-term cropping systems on soil organic carbon pools and	7.12

	soil quality in western plain of hot arid India. <i>Archives of Agronomy and Soil Science</i> , DOI: 10.1080/03650340.2017.1304637.	
10.	Reza, S.K., Nayak, D.C., Mukhopadhyay, S., Chattopadhyay, T. and Singh, S.K. 2017. Characterizing spatial variability of soil properties in alluvial soils of India using geostatistics and geographical information system. <i>Archives of Agronomy and Soil Science</i> , (DOI 10.1080/03650340.2017.1296134).	7.12
11.	Bhattacharyya, T., Wani S P., Pal, D.K., Sahrawat, K.L., Pillai, S., Nimje A., Telpande, B., Chandran, P. and Chaudhury, S. 2016. ICRISAT, India soils: yesterday, today and tomorrow, <i>Current Science</i> , <b>110</b> :1652 -1670.	6.97
12.	Chaudhury, S., Bhattacharyya, T., Wani, S.P., Pal, D.K., Sahrawat, K.L., Nimje, A., Chandran, P., Venugopalan, M.V. and Telpande, B. 2016. Land use and cropping effects on carbon in black soils of semi-arid tropical India <i>Current Science</i> , <b>110</b> :1692 -1698.	6.97
13.	Padekar D., Bhattacharyya T., Ray S.K., Tiwary P. and Chandran P. 2016. Influence of irrigation water on black soils in Amravati district, Maharashtra. <i>Current Science</i> , <b>110(9)</b> :1740-1755.	6.97
14.	Surya, Jaya N., Sidhu, G.S., Lal, T., Katiyar, D.K. and Sarkar, Dipak. 2016. Impact of temporal change of land use and cropping system on some soils properties in Northwestern Parts of Indo-Gangetic Plain. <i>Current Science</i> , <b>111(1)</b> :207-212.	6.97
15.	Srivastava, R., Sethi, M., Yadav, R.K., Bundela, D.S., Singh, M., Chattaraj, S., Singh, S.K., Nasre, R.A., Bishnoi, Sita Ram, Dhale, Sanjay, Mohekar, D.S. and Barthwal, A.K. 2016. Visible-near infrared reflectance spectroscopy for rapid characterization of salt-affected soil in the Indo-Gangetic plains of Haryana, India. <i>Journal of the Indian Society of Remote Sensing</i> : DOI 10.1007/s12524-016-0587-0	6.68
16.	Sahu, Nisha, Singh, S.K., Obi Reddy, G.P., Nirmal Kumar, Nagaraju, M.S.S. and Srivastava, Rajeev 2016. Large-Scale Soil Resource Mapping using IRS-P6 LISS-IV and Cartosat-1 DEM in Basaltic Terrain of Central India. <i>Journal of Indian Society of Remote Sensing</i> , <b>44(5)</b> :811-819.	6.68
17.	Hegde, R., Niranjana, K.V., Natarajan, A. and Singh, S.K. 2016. Detailed land resources inventory for effective planning of land based rural development programs. <i>Special Publication of Geological Society of India</i> . No.1-5 P.	6.55
18.	Nogiya, M., Pandey, R. N. and Singh, Bhupinder. 2016. Physiological basis of iron chlorosis tolerance in rice ( <i>Oryza Sativa</i> ) in relation to the root exudation capacity, <i>Journal of Plant Nutrition</i> , <b>39(11)</b> :1536-1546.	6.51
19.	Moharana, P.C. and Biswas, D.R. 2017. Nutrient transformations in soil amended with rock phosphate enriched composts for improving	6.51

	productivity of wheat-green gram sequence. <i>Journal of Plant Nutrition</i> . DOI: 10.1080/01904167.2016.1269346.	
20.	Moharana, P.C., Sharma, B.M. and Biswas, D.R. 2017. Changes in the soil properties and availability of micronutrients after six year application of organic and chemical fertilizers using STCR-based targeted yield equations under pearl millet-wheat cropping system. <i>Journal of Plant Nutrition</i> , <b>40</b> :165-176.	6.51
21.	Ray, P. and Datta, S.P. 2016. Solid phase speciation of Zn and Cd in zinc smelter effluent-irrigated soils. <i>Chemical Speciation and Bioavailability</i> , <b>29</b> (1):6-14.	6.46
22.	Reza, S.K., Singh, S., Datta, S.C., Purakayastha, T.J. and Singh, S.K. 2017. Phosphorus solubilization through organic acids production in pressmud composted with rockphosphate. <i>National Academy Science Letters</i> , <b>40</b> (1):13-16 (DOI 10.1007/s40009-016-0511-8).	6.35
23.	Gajare A.S., Mandal D.K. and, Jagdish Prasad 2016. Assessment of different pools of organic carbon for better C management in cotton-growing shrink-swell soils of Jalgaon district, Maharashtra. <i>The Indian Journal of Agricultural Sciences</i> , <b>85</b> (5):77-80.	6.17
24.	Reza, S.K., Baruah, U., Sarkar, D. and Singh, S.K. 2016. Spatial variability of soil properties using geostatistical method: a case study of lower Brahmaputra plains, India. <i>Arabian Journal of Geosciences</i> , <b>9</b> :446.	6.00

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**Reaserch Publications having NAAS rating < 6.0**

25.	Minhas, P.S. and Obi Reddy, G.P. 2017. Edaphic stresses and agricultural sustainability: An Indian Perspective, <i>Agricultural Research</i> , <b>6</b> (1):8-21.	5.90
26.	Reza, S.K., Baruah, U., Singh, S.K. and Srinivasan, R. 2016. Spatial heterogeneity of soil metal cations in the plains of humid subtropical northeastern India. <i>Agricultural Research</i> , <b>5</b> (4):346-352.	5.90
27.	Bhaskar, B.P. and Tiwari, G. 2017. Geochemical interpretations of laterite associated soils of east coast Andhra Pradesh. <i>Chemical Science Review and Letters</i> , <b>6</b> (21):187-197.	5.21
28.	Jagdish Prasad. 2015. Soil health management- A key for sustainable production. <i>Journal of the Indian Society of Soil Science</i> , <b>63</b> :(Supplement pageS6-S13).	5.23
29.	Gangopadhyay, S.K., Nayak, D.C. and Singh, S.K. 2016. Characteristics of tea growing soils in relation to soil acidity in upper Brahmaputra valley of Assam. <i>Journal of the Indian Society of Soil</i>	5.23

	<i>Science</i> , <b>64(4)</b> :341-350.	
30.	Dutta, D., Bandyopadhyay, S., Baruah, U. and Sarkar, D. 2016. Characterizations of soil at different landforms in hilly areas of Meghalaya state. <i>Journal of the Indian Society of Soil Science</i> , <b>64(3)</b> :302-309.	5.23
31.	Pradhan, S., Gorai, T., Ahmed, N., Bandopadhyay, K.K., Sahoo, R.N., Mahapatra, S.K. and Singh, R. 2016. Estimating S index, unsaturated hydraulic conductivity and diffusivity through RETC in Indian Agricultural Research Institute farm. <i>Journal of the Indian Society of Soil Science</i> , <b>64(2)</b> :120-127.	5.23
32.	Singh, R., Singh, R.S., Purohit, H.S., Verma, T.P. and Garhwal, R.S. 2016. Productivity and suitability evaluation of orange ( <i>Citrus reticulata</i> )-growing soils of hot and semi-arid region of Rajasthan (AESR 5.2). <i>Journal of the Indian Society of Soil Science</i> , <b>64(1)</b> :46-57.	5.23
33.	Lalitha, M., Dharumarajan, M., Natarajan, A., Niranjana, K.V., Srinivas, S., Naidu, L.G.K. and Sarkar, Dipak. 2016. Need for site specific land resource database for integrated watershed management. <i>Indian Journal of Soil Conservation</i> , <b>44(22)</b> :168-176.	5.20
34.	Naitam, R.K. and Kharche, V.K. 2016. Characterization and classification of soils of Ramagarh village of Amravati district of Maharashtra. <i>Multilogic in Science</i> , <b>6(17)</b> :211-218.	5.20
35.	Prasad, R., Yadav, S.K., Kumar, P. and Yadav, R.P. 2016. Performance of mango cultivars in eroded soils of Shiwalik foot hills. <i>Indian Journal of Soil Conservation</i> , <b>44(1)</b> :67-72.	5.20
36.	Giri, J.D., Nagaraju, M.S.S., Srivastava, R., Singh, D.S., Nasre, R.A., Barthwal, A.K. and Mohekar, D.S. 2016. Accuracy assessment of large-scale soil map prepared by remote sensing approach. <i>International Journal of Agricultural and Statistical Sciences</i> , <b>12(1)</b> :229-237.	5.13
37.	Naitam, R.K., Singh, R.S., Sharma, R.P., Verma, T.P. and Arora, S. 2016. Morphometric analysis of Chanavada-II watershed in Aravalli hills of southern Rajasthan using geospatial technique. <i>Journal of Soil and Water Conservation (India)</i> , <b>15(4)</b> : 318-324.	5.08
38.	Patangray, A.J., Patil, N.G., Singh, S.K., Mishra, V.N., Reddy, C.V.P. and Ramteke, I.K. 2017. Land use/land cover change detection using geospatial techniques in Kupti watershed of Darwha block of Yavatmal district, Maharashtra <i>Journal of Soil and Water Conservation (India)</i> <b>16(1)</b> :10-17.	5.08
39.	Bhaskar, B. P., Prasad, J. and Tiwari, G. 2017. Evaluation of agricultural land resources for irrigation in the cotton growing Yavatmal district, Maharashtra, India. <i>Journal of Applied and Natural Science</i> , <b>9(1)</b> : 102 –113.	4.84
40.	Bhaskar, B.P., Anantwar, S.G., Gaikwad, S.S. and Bobade, S.V. 2016.	4.84

	Land resource assessment for agricultural development in Seoni district, Madhya Pradesh, India. <i>Journal of Applied and Natural Science</i> , <b>8(2)</b> :750-759.	
41.	Dubey, P.N., Bhaskar, B.P., Chandran, P., Singh, B. and Mishra, B.K. 2016. Geochemistry of some ferruginous soils of Kerala, India. <i>Journal of Applied and Natural Science</i> , <b>8(1)</b> :196-207.	4.84
42.	Meena, R.K., Parihar, S.S., Singh, M. and Khanna, M., 2016. Effects of sowing dates and irrigation regimes on grain quality of wheat grown under semi-arid condition of India. <i>Journal of Applied and Natural Science</i> , <b>8(2)</b> :960- 966.	4.84
43.	Sahu, Nisha and Sahu, Asha. 2016. Influence of phosphamidon on microbial biomass carbon, FDA and soil respiration in black soil (Entic Chromusterts). <i>International Journal of Agricultural Sciences</i> , <b>8(39)</b> :1796-1798.	4.82
44.	Ramamurthy, V., Singh, M., Srinivas, A., Silpasree, Ramesh Babu, A.C., Naidu, L.G.K. and Prakasa Rao, E.V.S. 2016. Effect of age of plantation and season on leaf yield, content and composition of oil of <i>Eucalyptus citriodora</i> Hook and soil properties in semi-arid conditions of Karnataka. <i>Res. on Crops</i> , <b>17(1)</b> :112-117.	4.75
45.	Dharumarajan, S., Naidu, L.G.K., Lalitha, M., Vasundhara, R., Anil Kumar, K.S., Rajendra Hegde and Singh, S.K. 2016. Assessment of suitability of fallow lands for major medicinal plants in Tamil Nadu. <i>International Journal of Bio-resource and Stress Management</i> , <b>7(4)</b> :877-884.	4.65
46.	Srinivasan, R., Jeevan Rao, K., Reza, S.K. Shelton Padua, Dinesh, D. and Dharumarajan, S. 2016. Influence of inorganic fertilizers and organic amendments on plant nutrients and soil enzyme activities under incubation. <i>International Journal of Bio-resource and Stress Management</i> , <b>7(4)</b> :924-932.	4.65
47.	Srinivasan, R., Natarajan, A., Anil Kumar, K.S., Dharumarajan, S. and Kalaivanan, D. 2016. Distribution of different forms of soil acidity in selective laterite soils under cashew plantations in coastal Karnataka. <i>International Journal of Bio-resource and Stress Management</i> , <b>7(2)</b> :222-228.	4.65
48.	Anil Kumar, K.S., Lalitha, M., Kalaiselvi, B., Patil, Siddaram, Nair, K.M. and Sujatha, K., 2015. Soil organic carbon stocks: A potential land quality indicator for soils of western Karnataka, <i>Agropedology</i> , <b>25(2)</b> :161-168.	4.16
49.	Bandyopadhyay, Siladitya, Obi Reddy, G.P., Dutta, D., Reza, S.K., Dutta, D.P., Baruah, Utpal, Sah, K.D. and Singh, S.K. 2015. Assessment of erosion susceptibility zones in Diring-Thanglong watershed north eastern hill regions of Assam using GIS techniques, <i>Agropedology</i> , <b>25(2)</b> :169-180.	4.16
50.	Dongare, V., Maji, A.K., Obi Reddy, G.P. and Ramteke, I.K. 2016.	4.16

	Land Suitability Evaluation for Rice ( <i>Oryza sativa</i> L.) in Tirora tehsil of Gondia district, Maharashtra - A GIS approach, <i>Agropedology</i> , <b>26(01)</b> :69-78.	
51.	Jena, R.K., Duraisami, V.P., Sivasamy, R., Shanmugasundaram, R., Krishnan, R., Padua, S., Bandyopadhyay, S., Ramachandran, S., Ray, P., Deb Roy, P., Singh, S.K. and Ray, S.K. 2016. Characterization and classification of soils of Jirang block in Meghalaya plateau, <i>Agropedology</i> , <b>26(1)</b> :47-57.	4.16
52.	Goswami, S.N., Sen, T.K., Jagdish Prasad and Chatterji, S. 2014. Effect of climatic and socio-economic factors on under-utilization of land in Maharashtra. <i>Agropedology</i> , <b>24(1)</b> :41-51.	4.16
53.	Naitam, R.K., Singh, R.S., Mohrana, P.C. and Singh, S.K. 2016. Characterization and evaluation of soils occurring on toposequence in eastern plain, Bhilwara district, Rajasthan for land use planning. <i>Agropedology</i> , <b>26(1)</b> :94-104.	4.16
54.	Patil, N.G., Chaturvedi, A. and Singh, S.K. 2016. Land use issues in selected disadvantaged districts of Eastern India. <i>Agropedology</i> , <b>26(1)</b> :57-68.	4.16
55.	Ramesh Kumar, S.C., Tejaswini, A.B., Prakashanaik, M.K., Nandini, S., Rajendra Hedge and Singh, S.K. 2016. Economics of kharif sorghum production in southern dry zone of Karnataka. <i>Agropedology</i> , <b>26(1)</b> :29-33.	4.16
56.	Reza, S.K., Baruah, U. and Singh, S.K. 2016. Spatial distribution of Fe and Mn in paper mill effluent affected agricultural soils in Morigaon, Assam. <i>Agropedology</i> , <b>26(2)</b> :87-93.	4.16
57.	Srinivasan, R., Reza, S.K., Nayak, D.C., Singh, S.K. and Sarkar, G.C. 2016. Characterization and classification of major vegetables growing soils of Odisha coastal system – A case study, <i>Agropedology</i> , <b>25(2)</b> :232-239.	4.16
58.	Srinivasan, R.; Mukhopadhyay, S.; Nayak, D.C. and Singh, S.K. 2016. Characterization, classification and evaluation of soil resources in coastal eco-system – A case study of Gosaba block (Part), South 24-Parganas, West Bengal, <i>Agropedology</i> , <b>25(2)</b> :195-201.	4.16
59.	Vasu, D., Singh, S.K., Karthikeyan, K., and Duraisami, V.P. 2016. Fertility Capability Classification (FCC): A case study in rainfed soils of semi-arid Deccan plateau. <i>Agropedology</i> <b>26(1)</b> :22-28.	4.16
60.	Chattopadhyay, T., Nayak, D.C., Mukhopadhyay, S., Sahoo, A.K. and Singh, S.K. 2017. Land evaluation for crop planning in soils of Indo-Gangetic Plains of Hugli district, West Bengal, <i>Indian Agriculturist</i> , <b>59(4)</b> :215-222.	4.11
61.	Potdar, S.S., Gabhane, V.V., Potdar, H.S., Srivastava, Rajeev, Nasre, R.A. and Nagaraju, M.S.S. 2016. Characterization, classification and mapping the soils of shegaon watershed, Chandrapur district of	3.15

	Maharashtra, using remote sensing and GIS technique. <i>Advances in Life Sciences</i> , <b>5(18)</b> :7489-7495.	
62.	Anil Kumar, K.S., Kalaiselvi, B., Nair, K.M. and Singh, S.K. 2016. Characterization of red and lateritic soils formed under varied climates and their management, <i>Clay Research</i> , <b>35(1)</b> :42-52.	3.10
63.	Jena, R.K., Duraisami, V.P., Sivasamy, R., Shanmugasundaram, R., Krishnan, R., Padua, S., Bandyopadhyay, S., Ramachandran, S., Ray, P., Deb Roy, P., Singh, S.K. and Ray, S.K. 2015. Spatial variability of soil fertility parameters in Jirang block of Ri-Bhoi district, Meghalaya. <i>Clay Research</i> , <b>34(1)</b> :35-45.	2.97
64.	Surya, J.N., Walia, C.S., Ahamad, N., Singh, H., Giyal, V. and Khajuria, V. 2016. Characterization and clay minerals composition of soils derived from metamorphic formations of Kumaun Himalayas., <i>Clay Research</i> , <b>34(1)</b> :15-24.	2.97
65.	Bhattacharyya T., Tiwary P., Pal D.K., Khobragade R., Telpande B. and Kuchankar H. 2017. Estimating soil organic matter and available N : A ready reckoner for soil testing laboratories. <i>Advanced Agricultural Research &amp; Technology Journal</i> , <b>1(1)</b> :3-13.	-
66.	Bhaskar, B. P., Tiwari, G. and Prasad, J. 2017. Pedogenic influence on profile distribution of total and DTPA - extractable micronutrients in rice growing hydric soils of Majuli river island, Assam, India. <i>Spanish Journal of Soil Science</i> , <b>7(1)</b> : 45-71.	-
67.	Fagodiya, R.K., Pathak, H., Meena, B.L., Meena, R.K., Nagdev, R. 2017. Need to estimate the net global warming potential of nitrogenous fertilizers. <i>Advances in Plants and Agriculture Research</i> , <b>6(4)</b> : 00220.	-
68.	Keshavarzi, A., Omran, E.S.E., Bateni, S.M., Pradhan, B., Vasu, D., Bhagerzadeh, A. 2016. Modelling of available soil phosphorus (ASP) using multi-objective group method of data handling. <i>Model Earth System and Environment</i> , <b>2</b> :157.	-
69.	Meena, R.S., Meena, R.L., Rao, S.S., Singh, R.S., Verma, T.P. and Singh, S.K. 2017. Characterization of classification of soils of Jhalrapatan block, Jhalawar district of Rajasthan. <i>Journal of Plant Development Studies</i> , <b>9(3)</b> :265-68.	-
70.	Meena, R.S., Rao, S.S., Natrajan, A., Hegde, R. and Singh, S.K. 2017. Available micronutrient in soils of Chikkersinkere hobli of Maddur taluka, Mandya district of Karnataka. <i>Journal of plant development Studies</i> , <b>9(3)</b> :229-233.	-
71.	Nalina, C.N., Anil Kumar, K.S., Chandrakala, M., Sheela Rani, S., Sujata, K., Shilpashree, K.G., Rajendra Hegde and Singh, S.K. 2016. Soil nutrient status mapping of Nagenahalli micro-watershed under Eastern Dry Zone of Karnataka by remote sensing, detailed soil survey and GIS, <i>Indian Journal of Agriculture Research</i> , <b>50(5)</b> :389-	-

	397	
72.	Ramachandran, S., Nagender Rao, C., Dinesh, D., Srinivasan, R., Sankar, M., Ramesh, T. and Shelton Padua. 2015. Effect of tillage management practices on soil physical properties and yield of groundnut in rice-based cropping system. <i>International Journal of Bio-resource and Stress Management</i> , <b>6(6)</b> :765-777.	-
73.	Ravindra Naik, M. and Anil Kumar, K.S. 2016. Mapping of crop growing soils in Kannur micro watershed Kollegal taluk, Chamarajnagar district, Karnataka, <i>International Journal of Science and Research (IJSR)</i> ISSN (Online): 2319-7064: <b>5(4)</b> :474-481.	-
74.	Ray, P., Datta, S.P., Rakshit, R. and Golui, D. 2016. Agronomic bio-fortification of food crops with zinc and iron for ameliorating their deficiencies in humans: constraints and possibilities. <i>Indian Journal of Fertilisers</i> , <b>12(7)</b> :28-35.	-
75.	Sahoo, A.K., Nayak, D.C., Mukhopadhyay, S., Banerjee, T., Singh, S.K., Sarkar, D., Sarkar, A.K., Agarwal, B.K. and Shahi, D.K. 2016. Mapping of block level soil fertility status of Dumka district, Jharkhand using GPS and GIS, <i>Indian Journal of Fertilisers</i> , <b>12(7)</b> :50-57.	-
76.	Sahu, Nisha, Obi Reddy, G.P., Nirmal Kumar, Nagaraju, M.S.S., Srivastava, Rajeev and Singh, S.K. 2016. Morphometric analysis in basaltic terrain of Central India using GIS techniques - A case study, <i>Applied Water Science</i> . DOI 10.1007/s13201-016-0442-z.	-
77.	Sharma, R.P., Singh, R.S., Singh, S.K. and Obi Reddy, G.P. 2016. Extent of land degradation and status of wastelands in Rajasthan (NW India) with a focus on the Bhilwara District, <i>Journal of Agriculture and Environment for International Development - JAEID</i> , <b>110(1)</b> :97-115.	-
78.	Vasu, D., Singh, S.K., Duraisami, V.P., Jangir, A. and Butte, P.S. 2016. Fertility status of cotton growing soils in Thimmajipet mandal, Mahabubnagar district, Telangana. <i>Andhra Pradesh Journal of Agricultural Sciences</i> , <b>2(1)</b> :10-15.	-
79.	Vasu, D., Singh, S.K., Tiwary, P., Sahu, N., Ray, S.K. and Butte, P. 2017. Influence of geochemical processes on hydrochemistry and irrigation suitability of groundwater in place of semi-arid Deccan Plateau, India. <i>Applied Water Science</i> , pp. 1-13. DOI: 10.1007/s13201-017-0528-2.	-
80.	Vasundhara, R., Dharumarajan, S., Hegde, Rajendra, Srinivas, S., Niranjana, K.V., Srinivasan, R. and Singh, S.K. 2017. Characterization and evaluation of soils of Singanallur watershed using remote sensing and GIS. <i>International Journal of Bio-resource and Stress Management</i> , <b>8(1)</b> :51-56.	-



## Reaserch Publications having NAAS rating &gt; 6.0

1.	Rao, S.S., Tanwar, S.P.S., Regar, P.L. 2016. Effect of deficit irrigation, phosphorous inoculation and cycocel spray on root growth, seed cotton yield and water productivity of drip irrigated cotton in arid environment. <i>Agricultural Water Management</i> , <b>169</b> :14-25.	8.60
2.	Singh, Raman Jeet, Meena, Roshan Lal, Sharma, N.K., Suresh Kumar, Kuldeep Kumar, Dileep Kumar 2016. Economics, energy, and environmental assessment of diversified crop rotations in sub-Himalayas of India. <i>Environmental Monitoring and Assessment</i> , <b>188</b> :79.	7.63
3.	Bhattacharya, Ranjan; Ghosh, B.N., Mishra, P.K., Mandal, B., Rao Ch. Srinivas, Sarkar, D., Das, K., Anil, K.S, Lalitha, M., Hati, K.M. and Franzluebbbers, A.J. 2015. Soil Degradation in India: Challenges and Potential Solutions, <i>Sustainability</i> , <b>7</b> :3528–3570	7.34
4.	Yadav, R.K., Minhas, P.S., Lal, Khajanchi, Chaturvedi, R.K., Yadav, Gajender and Verma, T.P. 2015. Accumulation of metals in soils, ground water and edible parts of crops grown under long-term irrigation with sewage mixed industrial effluents. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>95(2)</b> : 200-206.	7.19
5.	Nath, A.J., Bhattacharyya, T., Ray, S.K., Deka, Jyotirupa, Das, Ashesh Kumar Das and Huma, Devi. 2016. Assessment of rice farming management practices based on soil organic carbon pool analysis. <i>Tropical Ecology</i> , <b>57</b> : 607-611.	7.17
6.	Reza, S.K., Nayak, D.C., Chattopadhyay, T., Mukhopadhyay, S., Singh, S.K. and Srinivasan, R. 2016. Spatial distribution of soil physical properties of alluvial soils: a geostatistical approach. <i>Archives of Agronomy and Soil Science</i> , <b>62</b> :972-981.	7.12
7.	Tiwary, P., Bhattacharyya, T., Mandal, C., Dasgupta, D. and Telpande, B. 2015. Pedometric mapping of soil organic carbon loss using soil erosion maps of Tripura. <i>Current Science</i> , <b>108</b> :1326-1339.	6.97
8.	Bandyopadhyya, K.K., Sahoo, R.N., Ravender Singh, Pradhan, S., Singh, S., Gopal Krishna, Pargal, S. and Mahapatra, S.K. 2015. Characterization and crop planning of rabi fallows using remote sensing and GIS. <i>Current Science</i> , <b>108</b> : 2051-2062.	6.97
9.	Bhattacharyya, T, Wani, S.P., Chandran, P., Tiwary, P., Pal, D.K., Sahrawat, K.L. and Velayutham, M. 2016. Soil Information System: web-based information technology for agricultural land use planning, <i>Current Science</i> , <b>110</b> : 241-245.	6.97
10.	Rajan, K., Natarajan, A., Kasturi Tilakam, Anil Kumar, K.S., Dinesh, D., Alam, N.M., Khola, O.P.S. and Gowda, R.C. 2016. Clay dispersion induced by changes in some soil properties in undulating	6.97

	salt affected landscapes of southern Karnataka. India. <i>Current Science</i> , <b>110</b> : 874-883.	
11.	Bhattacharyya, T., Chandran, P., Ray, S.K., Pal, D.K., Mandal, C. and Mandal, D.K. 2015. Distribution of zeolitic soils in India. <i>Current Science</i> , <b>109</b> :1305-1313.	6.97
12.	Das, B.S., Sarathjith, M.C., Santra, P., Sahoo, R.N., Srivastava, R., Routray, A. and Ray, S.S. 2015. Hyperspectral remote sensing: opportunities, status and challenges for rapid soil assessment in India. <i>Current Science</i> , <b>108</b> (5): 860-868.	6.97
13.	Hegde Rajendra, Natarajan A., Meena R. S., Niranjana K. V., Thayalan S. and Singh S.K. 2015. Status of soil degradation in an irrigated command area in Chikkarasinakere Hobli, Mandya district, Karnataka. <i>Current Science</i> , <b>108</b> : 1501-1511.	6.97
14.	Lalitha, M. and Praveen Kumar 2015. Soil carbon fractions influenced by temperature sensitivity and land use management. <i>Agroforestry Systems</i> , <b>p.1-4</b> (DOI 10.1007/s10457-015-987-9).	6.91
15.	Nisha Sahu, Singh, S.K., Obi Reddy, G.P., Nirmal Kumar, Nagaraju, M.S.S. and Srivastava, Rajeev. 2016. Large-Scale Soil Resource Mapping using IRS-P6 LISS-IV and Cartosat-1 DEM in Basaltic Terrain of Central India. <i>J. Indian Soc. Remote Sens.</i> DOI 10.1007/s12524-015-0540-7.	6.68
16.	Rao, S.S., Dinesh Kumar, S., Wadodkar, M.R., Nagaraju, M.S.S., Chattaraj, S., William, Joseph, Rajankar, P., Sengupta, T., Venugopalan, M.V. Das, S.N., Joshi, A.K., Sharma, J.R. and Amminedu, E. 2016. Performance of global soil moisture product in crop growing region of central India. <i>Journal of the Indian Society of Remote Sensing</i> , DOI: 10.1007/s12524-015-0496-7.	6.68
17.	Srivastava, Rajeev, Sarkar, Dipak, Mukhopadhyay, S.S., Sood, Anil, Manjeet Singh, Nasre, R.A. and Dhale, S.A. 2015. Development of hyperspectral model for rapid monitoring of soil organic carbon under precision farming in the Indo-Gangetic Plains of Punjab, India, <i>J. Indian Society of Remote Sensing</i> , <b>43</b> (4):751-759.	6.68
18.	Yadav, R.P., Panwar, Panwar, Arya, S. and Mishra, P.K. 2015. Revisit of Shivalik region in different north western states of India. <i>Journal of Geological Society of India</i> , <b>86</b> : 351-360.	6.55
19.	Bhattacharyya, T., Chandran, P., Ray, S.K., Mandal, C., Tiwary, P., Pal, D.K., Maurya, U.K., Nimkar, A.M., Kuchankar, H., Sheikh, S., Telpande, B.A. and Kolhe, A. 2015. Walkley-Black recovery factor to reassess soil organic matter: Indo-gangeticplains and black soil region of India case studies. <i>Communications in Soil Science and Plant Analysis</i> , <b>46</b> :2628-2648.	6.53
20.	Ramachandran, S. and Biswas, D. R. (2015). Nutrient management on crop productivity and changes in Soil organic carbon and soil fertility in a 4 -year old maize-wheat cropping in Indo -Gangetic	6.51

	Plains of India". <i>Journal of Plant Nutrition</i> , DoI:10.1080/01904167.2015.10870.	
21.	Reza, S.K., Baruah, U., Sarkar, D. and Singh, S.K. 2016. Spatial variability of soil properties using geostatistical method: a case study of lower Brahmaputra plains, India. <i>Arabian Journal of Geosciences</i> (Springer publication, DOI 10.1007/s12517-016-2474-y).	6.00

2015-16

**Reaserch Publications having NAAS rating < 6.0**

22.	Bhattacharyya, T., Mandal, C., Mandal, D.K., Jagdish Prasad, Tiwary, P., Venugopalan, M.V. and Pal, D.K. 2015. Agro-eco sub-region based crop planning in the black soil regions and Indogangeticplains – Application of soil information system. <i>Proceedings of Indian National Science Academy</i> , <b>81</b> :1151-1170.	5.89
23.	Moharana, P.C., Biswas, D.R. and Datta, S.C. 2015. Mineralization of Nitrogen, Phosphorus and Sulphur in soils as influenced by rock phosphate enriched compost and chemical fertilizers. <i>Journal of the Indian Society of Soil Science</i> , <b>63</b> :283-293.	5.23
24.	Naidu, L.G.K., Lalitha, M., Dharumarajan, S., Srinivas, S. and Ramamurthy, V. 2015. Delineation of prime and marginal lands in Karnataka for sustainable land use. <i>Journal of Indian Society of Soil Science</i> , <b>63</b> : 373-378.	5.23
25.	Naidu, L.G.K., Ramamurthy, V., Niranjana, K.V., Satyavathi, P.L., Srinivas, S., Dhanorkar, B.A., Ravindra Chary, G. and Reddy, R.S. 2015. Evaluation of regional benchmark soils and agro-climate <i>vis-à-vis</i> soils of technology generation sites for agrotechnology transfer-a case study of Andhra Pradesh. <i>Journal of the Indian Society of Soil Science</i> , <b>63</b> :144-158.	5.23
26.	Reza, S.K., Baruah, U. and Singh, S.K. 2015. Accumulation and translocation of heavy metals in soil and crop irrigated with Paper mill effluents. <i>Journal of the Indian Society of Soil Science</i> , <b>63</b> : 242-244.	5.23
27.	Reza, S.K., Baruah, U. and Singh, S.K. 2015. Multivariate approaches for soil fertility characterization of lower Brahmaputra valley, Assam, India. <i>Journal of the Indian Society of Soil Science</i> , <b>63</b> : 379–383.	5.23
28.	Sharma, R.P. and Singh, R.S. 2015. Carbon stock and its management in soils of Bhilwara district, Rajasthan. <i>Journal of the Indian Society of Soil Science</i> , <b>63</b> :304-309.	5.23
29.	Singh, Rameshwar, Singh, R.S. and Gupta, P.K. 2015. Moisture Release Behaviour of Orange-Growing Soils Developed from	5.23

	Different Parent Materials in Jhalawar District of Rajasthan. <i>Journal of the Indian Society of Soil Science</i> , <b>63</b> (2):159-165.	
30.	Yadav, R.P., Prasad, Ram and Arya, Swarn Lata 2015. Effect of different horti-pastoral systems in amelioration soil compaction in Shivalik region. <i>Indian Journal of Soil Conservation</i> , <b>44</b> (1): 255-259.	5.20
31.	Obi Reddy G.P., Kurothe, R.S., Sena, D.R., Harindranath, C.S., Niranjana, K.V., Naidu, L.G.K., Singh, S.K., Sarkar, Dipak, Mishra, P.K. and Sharda, V.N. 2016. Assessment of soil erosion in tropical ecosystem of Goa, India using Universal Soil Loss Equation, geostatistics and GIS, <i>Indian Journal of Soil Conservation</i> , <b>44</b> (1):1-7.	5.20
32.	Mandal D.K., Goswami S.N, Mandal C., Jagdish Prasad and Nirmal Kumar 2015. Econimoiic loss estimation under rainfall aberration in semi-arid tropics of India. <i>Indian Journal of Soil Conservation</i> , <b>43</b> :182-186	5.20
33.	Nirmal Kumar, Karthikeyan, K. and Jagdish Prasad. 2016. Visual soil quality assessment – A review. <i>Journal of Soil and Water Conservation (India)</i> , <b>15</b> :6-13.	5.08
34.	Karthikeyan, K., Nirmal Kumar, Jagdish Prasad and Srivastava, Rajeev 2015. Soil quality and its assessment: A Review. <i>Journal of Soil and Water Conservation (India)</i> , <b>14</b> :100-108.	5.08
35.	Naidu, L.G.K., Dharumarajan, S., Lalitha, M., Vasundhara, R., Ramamurthy, V., Obi Reddy, G.P., Singh, R. S., Tailor, B., Rameshwar Singh, Baruah, U., Padmaiah, M., Suresh, G. and Varaprasad, K.S. 2015. Identification and delineation of potential castor growing areas in different Agro-eco sub regions of India. <i>Journal of Oilseeds Research</i> , <b>32</b> : 39-48.	5.02
36.	Ray, P., Singhal, S.K., Datta, S.P. and Rattan, R.K. 2015. Effect of zinc sulphate and organics on Zn content and yield of <i>Chenopodium</i> grown in different soils. <i>Proceedings of the National Academy of Sciences, India Section B, Biological Sciences</i> , DOI 10.1007/s40011-015-0649.	5.00
37.	Jat, M.K., Purohit, H.S., Singh, R. and Chaudhary, S.K. 2015. Influence ofintegrated nutrient management practices on post harvest soil properties in sorghum-barley sequence. <i>Indian Journal of Ecology</i> , <b>42</b> (2): 349-353.	4.96
38.	Anitha, M.S., Anil Kumar K.S. and Prashantha, G.M. 2015. Distribution of plant available boron in major soil types and their correlation with other properties of the soil. <i>Ecology Environment &amp; Conservation</i> , <b>21</b> :143-148.	4.89
39.	Mahendra Kumar, M. B., Subbarayappa, C. T., Ramamurthy, V., Shreenivas, B. V., Yogendra, N. G. and Vijay Kumar, C. 2015. Effect of graded levels of zinc and boron on availability of zinc and zinc fractions of Paddy. <i>Ecology Environment &amp; Conservation</i> , <b>21</b> :	4.89

	477-480.	
40.	Mahendra Kumar, M.B., Subbarayappa, C.T., Ramamurthy, V., Shreenivas, B.V., and Vijay Kumar, C. 2015. Characterization of surface soils in irrigated land management unit-1 (Command area) of Mysore District, Karnataka. <i>Ecology Environment &amp; Conservation</i> , <b>21</b> : 471-476.	4.89
41.	Patil, S., Anil Kumar, K.S., Eresha and Shruthi, T.M. 2016. Characterization of soils and correlation of soil organic carbon stocks with soil properties in west coast of southern Karnataka. <i>Ecology Environment &amp; Conservation</i> , <b>22</b> :41-46.	4.89
42.	Sahu, Asha, Singh, S.K., Sahu, Nisha and Manna, M.C. 2016. Suitability of extractants for predicting availability of cadmium in Inceptisol, Alfisol and Vertisol. <i>Ecology Environment &amp; Conservation</i> , <b>22</b> (1):155-162.	4.89
43.	Srinivas, S., Srinivas, C.V., Nair, K.M., Naidu, L.G.K., Sarkar, D. and Singh, S.K. 2016. A climatic water balance model 'WatBal' for bioclimatic classification and agro-climatic analysis. <i>Ecology Environment &amp; Conservation</i> , <b>22</b> : 177-184.	4.89
44.	Bhaskar, B.P., Bobade, S.V., Gaikwad, S.S., Sarkar, D., Anantwar, S.G. and Bhattacharyya, T. 2015. Soil informatics for agricultural suitability assessment in Seoni district, Madhya Pradesh, India. <i>Indian Journal of Agricultural Research</i> , <b>49</b> :315-320.	4.86
45.	Ramamurthy, V., Venugopalan, M.V., Parhad, V.N. and Prasad, J. 2015. Effect of seed priming on emergence and yield of late sown wheat on Typic Haplusterts of Central India. <i>Indian Journal of Agricultural Research</i> , <b>49</b> : 245-249.	4.86
46.	Nath, A.J., Bhattacharyya, T., Deka, Jyotirupa, Das, Ashesh Kumar Das and Ray, S.K. 2015. Management effect on soil organic carbon pools in lowland rain-fed paddy growing soil. <i>Journal of Tropical Agriculture</i> , <b>53</b> :131-138.	4.75
47.	Jagadish, M.R., Biradar, P.I., Nethravathi, B., Parvathy, S., Anil Kumar, K.S. and Viswanath, S. 2015. Nutrient dynamics through litter fall and decomposition in bamboo agroforestry systems in humid tropics of Karnataka, India. <i>The Ecoscan</i> (Special Issue), <b>7</b> : 497-501.	4.65
48.	Katiyar, D.K., Walia, C.S., Singh, R. and Verma, T.P. 2015. Characterization and management of salt affected soils of Sultanpur district, Uttar Pradesh. <i>Annals of Plant and Soil Research</i> , <b>17</b> (1):91-95.	4.39
49.	Gopal, Ram, Verma, T.P., Singh, S.P., Singh, Rameshwar and Katiyar, D.K. 2015. Land resource inventory for Village Level Land Use Planning. <i>Annals of Plant and Soil Research</i> , <b>16</b> (2):143-147.	4.39
50.	Patil, S., Anil Kumar, K.S. and Eresha. 2015. Depth-wise	4.39

	distribution of major, secondary and micro nutrients in rubber-growing areas of west of western ghats and west coast of southern Karnataka. <i>Annals of Plant and Soil Research</i> , <b>17</b> : 293-296.	
51.	Singh U., Tomar, S.S., Singh, Rameshwar and Choudhary, Sonali 2015. Yield, nutrient uptake economics of Indian mustard as influenced by varieties, sources and levels of sulphur. <i>Annals of Plant and Soil Research</i> , <b>17</b> (3): 266-268.	4.39
52.	Gajare, A.S., Mandal, D.K., Nirmal Kumar and Jagdish Prasad. 2015. Modeling water retention characteristics of major shrink swell soils of Jalgaon District, Maharashtra, India. <i>Agropedology</i> , <b>25</b> :43-53.	4.16
53.	Gangopadhyay, S.K., Obi Reddy, G.P. Mukhopadhyay, S. and Singh, S.K. 2015. Characterization of landforms and soils in complex toposequence of Subarnarekha catchment, Chhotanagpur plateau using remote sensing and GIS. <i>Agropedology</i> , <b>25</b> (1):95-109.	4.16
54.	Meena, R.S.,Natarajan, A., Hegde, R., Dhanorkar, B.A., Koyal, Arti, Naidu, L.G.K. and Singh,S.K. 2015. Characterization and classification of upland soils of Chikkarsinkere Hobli, Maddur Taluk, Mandya District of Karnataka. <i>Agropedology</i> , <b>25</b> :154-160.	4.16
55.	Sharma, R.P., Singh, R.S. and Singh, S.K. 2015. Agricultural land use planning of Bhilwara district, Rajasthan. <i>Agropedology</i> <b>25</b> :20-32.	4.16
56.	Mahajan, M.S., Patil, N.G., Chaturvedi, A., Bhaskar, B.P., Hajare, T.N., Saroj Deshmukh, Dubey, P.N. and Singh, S.K. 2015. Development of efficient farming systems through land use planning in Dhule district, Maharashtra, India. <i>Agropedology</i> , <b>25</b> (1):110-124.	4.16
57.	Patil, N.G., Chaturvedi, A. and Singh, S.K. 2015. Land Use Planning in India: Past and Future. <i>Agropedology</i> , <b>25</b> (1):1-19.	4.16
58.	Jangir, A., Singh, V., Srivastava, P.C., Shriram and Bhatnagar, A. 2015. Phosphorus and zinc uptake and protein, lysine and tryptophane contents in quality protein maize in relation to phosphorus and zinc fertilization in Mollisols. <i>Annals of Agricultural Research</i> , <b>36</b> :50-57.	4.01
59.	Pradhan, N., Prakash, P., Manimurugan, C., Tiwari, S.K., Sharma, R.P. and Singh, P.M. 2015. Screening of tomato genotypes using osmopriming with PEG 6000 under salinity stress. <i>Research in Environment and Life Sciences</i> , <b>8</b> :245-250.	3.74
60.	Dubey, P.N, Bhaskar, B.P., Chandran, P., Singh, B., and Mishra, B.K. 2016. Geochemistry of some ferruginous soils of Kerala, India. <i>Journal of Applied and Natural Science</i> , <b>8</b> :196-207.	3.73

61.	Srinivas, S., Naidu, L.G.K., Venkatesh, D.H., Dharumarajan, S., Vasundhara, R., Ramamurthy, V., Hegde, R., Nair, K.M. and Singh, S.K. 2015. Development of software “Cropsuit” for evaluating land suitability for different crops. <i>International Journal of Tropical Agriculture</i> , <b>33</b> : 3063-3067.	3.49
62.	Gajare, A.S., Mandal, D.K., Mandal, C. and Jagdish Prasad. 2015. Cationic micronutrient status in cotton growing shrink-swell soils of Jalgaon district of Maharashtra. <i>Indian Journal of Fertilisers</i> , <b>11</b> :66-69.	-
63.	Lalitha, M. and Dhakshinamoortthy, M. 2015. Quantity-intensity characteristics of potassium (K) in relation to potassium availability under different cropping system in alluvial soils. <i>African Journal of Agricultural Research</i> , <b>10</b> : 2097-2103.	-
64.	Bhaskar, B.P. 2015. Landscape planning for agridevelopment at regional scale: an example from cotton growing Yavatmal district, Maharashtra, India. <i>Journal of Agriculture and Environment for International Development</i> , <b>109</b> : 235-269.	-
65.	Biswas, H., Raizada, A., Mandal, D., Suresh Kumar, Srinivas, S. and Mishra, P.K., 2015. Identification of areas vulnerable to soil erosion risk in India using GIS methods. <i>Solid Earth</i> , <b>6</b> : 1247–1257.	-
66.	Chary, G.R., Rao, G.R., Naidu, L.G.K., Srinivas, S., Sunil, N., Maruthi Sankar, G.R., Srinivasa Rao, Ramamurthy, V., Prathiba, G. and Rani, N., 2015. Climate and soil-site suitability criteria for <i>Jatropha curcas</i> L. cultivation under non-arable marginal lands in different agro-ecological regions of India. <i>Range Management &amp; Agroforestry</i> , <b>35</b> : 210-219.	-
67.	Dharumarajan, S., Lalitha, M., Naidu, L.G.K. and Singh, S.K. 2015. Characterisation of major forests in Tamil Nadu based on climate and soil-site characteristics for identifying potential areas for afforestation. <i>International Journal of Bio-resource and Stress Management</i> . 2015. 6(6):656-666.DOI:10.5958/0976-4038.2015.00102.5	-
68.	Ravinder, J., Konde, N.M., Rohi, G.S., Naitam, R.K. 2015. Effect of crop residues, green manuring and gypsum on soil properties and yield of cotton in salt affected soils of Purna Valley in Vidarbha. Progressive Research – An International Journal Society for Scientific Development ISSN: 0973-6417, Online ISSN: 2454-6003 in <i>Agriculture and Technology</i> , <b>10</b> (Special-IV): 2429-2432.	-
69.	Rehaman, M.A. E.A., Natrajan, A., Srinivasmurthy, C.A. and Hegde, R. 2016. Estimation of soil fertility status in physically degraded lands using GIS and remote sensing techniques in Chamarajanagara district, Karnataka, India. <i>The Egyptian Journal of Remote Sensing and Space Sciences</i> , <b>19</b> (1): 95-108.	-
70.	Sharma, R.P., Singh, R.S. and Singh, S.K. 2015. A review on	-

	agricultural land use planning: A case study of Bhilwara district. <i>Advances in Applied Science Research</i> , <b>6</b> :125-133.	
71.	Singh, Rameshwar, Singh, R.S., Jat, M.L., Purohit, H.S., Kaushik, R.A., Gajanand Jat and Singh, D.P. 2016. Influence of Soil Parent Material on Yield and Quality of Nagpur Mandarin ( <i>Citrus reticulata</i> Blanco) in Jhalawar District of Rajasthan. <i>Indian J. Fertilizers</i> , <b>12</b> (2):16-22.	-
72.	Vasu D., Singh S.K., Tiwary P., Butte P.S. and Duraisami V.P. 2015. Evaluation of groundwater quality for irrigation suitability in Thimmajipet mandal, Mahabubnagar district. <i>Andhra Pradesh Journal of Agricultural Sciences</i> <b>1</b> :1-6.	-
73.	Vasu, D., Biswas, A.K., Singh, A. 2015. Effect of biochar addition on soil carbon emission and nitrogen mineralization in some typical Indian soils. <i>International Journal of Emerging Research in Management &amp; Technology</i> , <b>4</b> :17-22.	-

2014-15

**Research Publications having NAAS rating > 6.0**

1.	Chattaraj, S., Chakraborty, D., Sehgal, V.K., Paul, R. K., Singh, S. D., Daripa, A. 2014. Predicting the impact of climate change on water requirement of wheat in the semi-arid Indo-Gangatic Plains of India. <i>Agriculture, Ecosystems and Environment</i> , <b>197</b> : 174-183.	9.56
2.	Nagaraju, M.S.S., Nirmal Kumar, Srivastava, R. and Das, S.N. 2014. Cadastral-level soil mapping in basaltic terrain using Cartosat-1-derived products. <i>International Journal of Remote Sensing</i> , <b>35</b> :3764-3781.	7.64
3.	Ambekar, Abhijit. S., Sridhar D.N., Ray, S.K., Bhattacharyya, T., Anantwar, S.G., Sahu, V.T. and Gaikwad, M.S. 2015. Probable source of rocks for millstone and cannon balls of Goa, India. <i>Current Science</i> , <b>108</b> : 273-282.	6.97
4.	Bhattacharyya, T. <i>et al.</i> 2014. Georeferenced soil information system: assessment of database. <i>Current Science</i> , <b>107</b> :1400-1419.	6.97
5.	Bhattacharyya, T. <i>et al.</i> 2014. Soil information system: use and potentials in humid and semi-arid tropics, <i>Current Science</i> , <b>107</b> :1550-1564.	6.97
6.	Chandran, P. <i>et.al.</i> 2014. Development of SOTER database for major foodgrowing regions of India for resource planning. <i>Current Science</i> , <b>107</b> :1420-1430.	6.97
7.	Chatterji, S. <i>et al.</i> 2014. Land evaluation for major crops in the Indo-Gangetic Plains and black soil regions using fuzzy model. <i>Current Science</i> , <b>107</b> :1502-1511.	6.97



8.	Daripa, A., Bhatia, A., Tomer, R., Singh, S. D., Jain N. and Pathak H. 2014. Nitrous oxide and carbon dioxide emission from maize ( <i>Zea mays L.</i> ) under fertiliser application and elevated carbon dioxide in northwest India. <i>Experimental Agriculture</i> , 1-19 doi:10.1017/S0014479714000118	6.97
9.	Gangopadhyay, S.K., Bhattacharyya, T. and Sarkar, D. 2015. Hydromorphic soils of Tripura: their pedogenesis and characteristics. <i>Current Science</i> , <b>108</b> :984 – 993.	6.97
10.	Hegde, R., Natarajan, A., Meena, R.S., Niranjana, K.V., Thayalan, S. and Singh, S.K. 2015. Status of land degradation in an irrigated command area: a case study of Chikkarasinakere Hobli, Mandya district, Karanataka. <i>Current Science</i> , <b>108</b> :1501-1511.	6.97
11.	Mandal, C. <i>et al.</i> 2014. Revisiting agro-ecological sub-regions of India – a case study of two major food production zones, <i>Current Science</i> , <b>107</b> : 1519-1536.	6.97
12.	Padekar, D.G., Bhattacharyya, T., Deshmukh, P.D., Ray, S.K. Chandran, P. and Tiwary, P. 2014. Is irrigation water causing degradation in black soils? <i>Current Science</i> , <b>106</b> :1487-1489.	6.97
13.	Patil, N.G. <i>et al.</i> 2014. Natural resources of the Indo-Gangetic Plains: a land-use planning perspective. <i>Current Science</i> <b>107</b> :1537-1549.	6.97
14.	Ray, S.K. <i>et al.</i> 2014. Soil and land quality indicators of the Indo-Gangetic Plains of India. <i>Current Science</i> <b>107</b> :1470–1486.	6.97
15.	Raychaudhuri, M. <i>et al.</i> 2014. Soil physical quality of the Indo-Gangetic Plains and black soil region. <i>Current Science</i> , <b>107</b> :1440–1451.	6.97
16.	Sidhu, G.S. <i>et al.</i> 2014. Impact of management levels and land-use changes on soil properties in rice–wheat cropping system of the Indo-Gangetic Plains. <i>Current Science</i> <b>107</b> :1487–1501.	6.97
17.	Srivastava, A.K. <i>et al.</i> 2014. Impacts of agro-climates and land use systems on culturable microbial population in soils of the Indo-Gangetic Plains, India. <i>Current Science</i> , <b>107</b> :1464–1469.	6.97
18.	Tiwary, P. <i>et al.</i> 2014. Pedotransfer functions: a tool for estimating hydraulic properties of two major soil types of India. <i>Current Science</i> , <b>107</b> :1431–1439.	6.97
19.	Velmourougane, K. <i>et al.</i> 2014. Impacts of bioclimates, cropping systems, land use and management on the cultural microbial population in black soil regions of India. <i>Current Science</i> , <b>107</b> :1452–1463.	6.97
20.	Venugopalan, M.V. <i>et al.</i> 2014. InfoCrop-cotton simulation model – its application in land quality assessment for cotton cultivation. <i>Current Science</i> , <b>107</b> :1512–1518.	6.97

21.	Yadav, R.P., Sharma, Pawan, Arya, Swarn Lata and Panwar, Pankaj 2014. <i>Acacia nilotica</i> based silvipastoral systems for resource conservation and improved productivity from degraded lands of Lower Himalayas. <i>Agroforestry Systems</i> , <b>88</b> : 851-833.	6.91
22.	Raghupathi H.B. and Srinivas, S. 2014. Spatial variability studies in banana for identification of nutrient imbalance using diagnosis and recommendation integrated system, <i>Communications in Soil Science and Plant Analysis</i> , <b>45</b> :1667-1686.	6.53
23.	Reza, S.K., Baruah, U. Nath, D.J., Sarkar, D. and Gogoi, D. 2014. Microbial biomass and enzyme activity in relation to shifting cultivation and horticultural practices in humid subtropical North-eastern India. <i>Range Management and Agroforestry</i> , <b>35</b> :78-84.	6.39
24.	Khambalkar, P.A., Sen, T.K., Chatterji, S. and Venugopalan, M.V. 2014. Land use changes and their impact on properties of some soil series of Nagpur district of Maharashtra. <i>Indian Journal of Agricultural Sciences</i> , <b>84</b> : 1517-1524.	6.17
25.	Reza, S.K., Baruah, U., Singh, S.K. and Das, T.H. 2014. Geostatistical and multivariate analysis of soil heavy metal contamination near coal mining area, Northeastern India. <i>Environmental Earth Sciences</i> , (DOI 10.1007/s12665-014-3797-1).	6.00

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**Research Publications having NAAS rating < 6.0**

26.	Meena, R.K., Parihar, S.S. Singh, M. and Khanna, M. 2015. Influence of date of sowing and irrigation regimes on crop growth and yield of wheat ( <i>Triticum aestivum</i> ) and its relationship with temperature in semi-arid region. <i>Indian Journal of Agronomy</i> , <b>60</b> :72-78.	5.46
27.	Jagdish Prasad 2013. Soil Survey – Way forward for land evaluation and agricultural land use planning. <i>Journal of the Indian Society of Soil Science</i> , <b>61</b> :38-48.	5.23
28.	Karthikeyan, K., Puspanjali and Jagdish Prasad 2014. Soil fertility status of some selected soybean ( <i>Glycine max L.</i> ) - growing soils of Malwa Plateau, India. <i>Journal of the Indian Society of Soil Science</i> , <b>62</b> :174-178.	5.23
29.	Naidu, L.G.K., Nair, K.M. and Srinivas, S. 2014. Rubber growing areas of Kerala and Tamil Nadu: Assessment of soil related constraints to rubber production and delineation of soil management units. <i>Journal of the Indian Society of Soil Science</i> , <b>62</b> : 67-70.	5.23
30.	Patil, S. and Anil Kumar, K.S. 2014. Characterization and classification of soils of West Coast of Southern Karnataka. <i>Journal Indian Society of Soil Science</i> , <b>62</b> :408-413.	5.23

31.	Arya, S.L. and Yadav, R.P. 2014. Joint forest management in Haryana – Assessment of performance and evaluation of impacts. <i>Indian Journal of Soil Conservation</i> , <b>42</b> :314-321.	5.20
32.	Dutta, D., Baruah, U., Sarkar, D. and Dutta, D.P. 2014. Unfolding the feasibility of rabi cropping through soil moisture characterization in Sibsagar district of Assam, India. <i>Indian Journal of Soil Conservation</i> , <b>42</b> : 46-53.	5.20
33.	Rajan, K., Natarajan, A., Anil Kumar, K.S., Gowda, R.C. and Abdul Haris, A. 2014. Assessment of some soil physical indicators in severely eroded lands of Southern Karnataka, <i>Indian Journal of Soil Conservation</i> , <b>42</b> :154-163.	5.20
34.	Yogita, D.G., Nagaraju, M.S.S., Srivastava, R. and Nasre, R.A. 2014. Mapping spatial variability in soil properties and fertility at field-scale in basaltic terrain for site-specific agricultural input management using geospatial techniques. <i>International Journal of Agricultural and Statistical Sciences</i> , <b>10</b> : 541-550.	5.13
35.	Ashutosh Kumar, Srivastava, A.K., Velmourougane, K., Sidhu, G.S., Mahapatra, S.K., Singh, R.S., Sahoo, A.K., Das, K., Das, T.H., Reza, S.K., Bhattacharyya, T., Sarkar, D. and Sharma, A.K. 2014. Urease activity and its kinetics in selected benchmark soils of Indo-Gangetic Plains, India. <i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> , (DOI 10.1007/s40011-014-0352-5).	5.00
36.	Sikawal, K. S., Sarolia, D. K., Bhardwaj, R. L., Kaushik, R. A, Jain, H K, Ameta, K. D. and Sharma, R. P. 2013. Extending harvest duration in tomato ( <i>Solanum esculentum</i> Mill.) with a combination of varieties, row spacing and planting systems. <i>Vegetable Science</i> , <b>40</b> :234-236.	4.98
37.	Sharma, R. P., Yadava, R.B., Lama, T.D., Bahadur, Anant and Singh, K. P. 2013. Status of secondary nutrients vis-à-vis soil site-characteristics of vegetable growing soils of Varanasi. <i>Vegetable Science</i> , <b>40</b> : 65-68.	4.98
38.	Nisha Sahu, Raha, P., Sahu, A. and Singh, U.B. 2014. Effect of acephate on respiration, microbial biomass and fluorescein diacetate-hydrolysing activity in alluvial soil (Typic Ustochrepts). <i>Pollution Research</i> , <b>33</b> :757-760.	4.97
39.	Verma, T.P., Singh, S.P. Walia, C.S., Singh, R., Katiyar, D.K., Singh, H., Ram Gopal and Dhankar, R.P. 2012. Soil Resource information and alternative land use planning in north-eastern parts of Patiala district (Punjab). <i>Journal of Soil Salinity and Water Quality</i> , <b>4</b> :72-80.	4.94
40.	Verma, T.P., Singh, S.P., Ram Gopal, Singh, R., Katiyar, D.K. and Dhankar, R.P. 2013. Soil fertility evaluation in alluvial soils of western Uttar Pradesh. <i>Journal of Soil Salinity and Water Quality</i> , <b>2</b> :14-19.	4.94
41.	Patil, N.G. and Rajput, G.S. 2014. Surrogate estimation of soil water	4.86

	retention characteristics of seasonally impounded soils. <a href="https://doi.org/10.5958/0976-058X.2014.01324.9">doi:10.5958/0976-058X.2014.01324.9</a> <i>Indian Journal of Agricultural Research</i> , <b>48</b> : 409-420.	
42.	Sharma, R.P., Singh, R.S., Verma, T.P., Tailor, B.L. Sharma S.S. and Singh, S.K.2014. Coriander the taste of vegetables: present and future prospectus for coriander seed production in southeast Rajasthan. <i>Economic Affairs</i> , <b>59</b> : 345-354	4.82
43.	Dharumarajan, S. and Singh, S.K. 2014. GIS based soil site suitability analysis for potato - A case study in Lower Indo- Gangetic Alluvial Plain. <i>Potato Journal</i> , <b>41</b> :113-121.	4.74
44.	Meena, R.L., Rao, V. Praveen. and Jat, A.L. (2014). Production potential and quality of rice ( <i>Oryza sativa</i> ) varieties as influenced by date of transplanting under Southern Telangana zone of Andhra Pradesh. <i>Current Advances in Agricultural Sciences</i> , <b>6</b> : 55-57.	4.69
45.	Reza, S.K.,Baruah, U. and Singh, S.K. 2014. Soil risk assessment of heavy metal contamination near oil refinery area, Northeastern India. <i>International Journal of Agriculture, Environment &amp; Biotechnology</i> , <b>7</b> :787-795.	4.69
46.	Chaturvedi, A., Patil, N.G., Hajare, T.N., Mungole, Arvind, Borkar, L., Mokde, Mamta 2014. Livelihood matrix and technological interventions for efficient farming systems in village clusters of Gondia district of Maharashtra. <i>Indian Journal of Dryland Agricultural Research &amp; Development</i> <b>29</b> :93-99.	4.58
47.	Srivastava, R., Preeti C.S., Nagaraju, M.S.S., Jagdish Prasad, Nasre, R.A., Mohekar, D.S. and Barthwal, A.K. 2014. Status of available micronutrient cations and their relationship with soil properties in Nagpur District, Maharashtra. <i>Indian Journal of Dryland Agricultural Research &amp; Development</i> , <b>29</b> :68-72.	4.58
48.	Patil, S.D., Sen, T.K., Chatterjee, S., Sarkar, D. and Handore, R.M. 2014. Distribution of DTPA extractable micronutrients in acid soils of Goregaon and Aamgaon tehsil of Gondia District of Maharashtra, <i>Research Journal of Agricultural Sciences</i> <b>5</b> : 273-276.	4.54
49.	Patil, S.D., Sen, T.K., Chatterjee, S., Sarkar, D. and Handore, R.M. 2014. Assessment of soil carbon stock and sequestration potential in forest, paddy and forest to paddy converted land use systems. <i>Green Farming</i> , <b>5</b> : 801-804.	4.38
50.	Wagh, N.S., Mandal, D.K., Gajare, A.S. and Sadanshiv, N.S. 2014. Evaluation of soil characteristics of sunflower growing shrink-swell soils of Eastern Vidarbha. <i>Asian Journal of Soil Science</i> , <b>9</b> :187-191.	4.34
51.	Nisha Sahu, Obi Reddy, G.P., Nirmal Kumar, Nagaraju, M.S.S., Srivastava, R. and Singh, S.K. 2014. Characterization of landforms and land use/land Cover in basaltic terrain using IRS-P6 LISS-IV and Cartosat-1 DEM data: A case study. <i>Agropedology</i> , <b>24</b> :166-178.	4.16

52.	Bandyopadhyay, S., Dutta, D., Chattopadhyay, T., Reza, S.K., Dutta, D.P., Baruah, U., Sarkar, D. and Singh, S.K. 2014. Characterization and classification of some tea-growing soils of Jorhat district, Assam. <i>Agropedology</i> , <b>24</b> : 138–145.	4.16
53.	Baruah, U., Bandopadhyay, S. and Reza, S.K. 2014. Land use planning and strategic measures in North Eastern Region of India. <i>Agropedology</i> <b>24</b> : 292–303.	4.16
54.	Baruah, U., Das, T.H., Bhaskar, B.P. and Sarkar, D. 2014. Characterization of rice-growing soils: A case study in Gerua farm, Assam. <i>Agropedology</i> , <b>24</b> : 119-123.	4.16
55.	Bhattacharyya, T., Chandran, P., Ray, S.K., Tiwary, P., Dharmik, Ajit, Mandal, D.K., Mandal, C., Chatterji, S., Pal, D.K. Obi Reddy, G.P., Sarkar, D. and Singh, S.K. 2014. WebGeoSIS as soil information technology: A conceptual framework. <i>Agropedology</i> , <b>24</b> : 222-233.	4.16
56.	Goswami, S.N., Sen, T.K., Jagdish Prasad and Chatterji, S. 2014. Effect of climatic and socio-economic factors on under-utilisation of lands in Maharashtra. <i>Agropedology</i> , <b>24</b> : 41-51.	4.16
57.	Meena, R.S., Natarajan, A., Thayalan, S., Hegde, R., Niranjana, K. V., Naidu, L.G.K. and Sarkar, D. 2014. Characterization and classification of low land soils of Chikkarasinakere Hobli, Maddur, Mandya district, Karnataka. <i>Agropedology</i> , <b>24</b> : 95-101.	4.16
58.	Nagaraju, M.S.S. and Gajbhiye, K.S. 2014 Characterization and evaluation of soils of Kukadi Command (Minor-25) in Ahmednagar district of Maharashtra for land resource management. <i>Agropedology</i> , <b>24</b> :157-165.	4.16
59.	Naidu, L.G.K., Dharumarajan, S., Lalitha, M., Srinivas, S., Ramamurthy V. and Singh. S.K. 2014. Categorisation and delineation of prime and marginal lands of Andhra Pradesh for different uses. <i>Agropedology</i> , <b>24</b> :253-261.	4.16
60.	Reza, S.K., Baruah, U., Dutta, D., Sarkar, D and Dutta, D.P. 2014. Distribution of forms of potassium in Lesser Himalayas of Sikkim, India. <i>Agropedology</i> , <b>24</b> :106-110.	4.16
61.	Sidhu, G.S. and Surya, J. N. 2014. Soils of North Western Himalayan eco-system and their land use, constraints, productivity potential and future strategies. <i>Agropedology</i> , <b>24</b> :1-19.	4.16
62.	Srinivasan, R., Natarajan, A., Anil Kumar, K.S. and Kalaivanan, D. 2014. Characterization of major cashew growing soils of Dakshina Kannada district of Karnataka, <i>Agropedology</i> , <b>23</b> : 59-125.	4.16
63.	Vassanda Coumar, M., Karthikeyan, K. and Satyanarayana, T., 2013. Effect of di-ammonium phosphate and rock phosphate enriched biogas slurry on yield and uptake of phosphorus by mustard, <i>Agropedology</i> , <b>23</b> : 100-105.	4.16

64.	Vasu, D. and Reddy, M.S. 2013. Effect of fertilization on yield, quality, nutrient uptake, fertilizers and water use efficiency in cabbage ( <i>Brassica oleracea</i> ). <i>Agropedology</i> , <b>23</b> :106-112.	4.16
65.	Nalina, C.N., Anil Kumar, K.S.,Sheela Rani, B.,Shilpa Shree, K.G. Kusuma Patil and Netravathi, B. 2014. Evaluation of land suitability for principal crops of Nagenahalli micro-watershed using remote sensing data and geographical information system techniques. <i>Trends in Biosciences</i> , <b>7</b> :4022-4025.	3.94
66.	Pradhan Navin, Prakash Pravin, Tiwari, Shailesh Kumar, Manimurugan, C, Sharma, R.P. and Singh, P.M. 2014. Osmopriming of tomato genotypes with polyethylene glycol 6000 induces tolerance to salinity stress. <i>Trends in Biosciences</i> , <b>7</b> : 4412-4417.	3.94
67.	Nisha Sahu, Raha, P., Sahu, A. and Singh, U.B. 2014. Effect of organophosphorus pesticides on enzyme activities in alluvial soil (Typic Ustochrepts). <i>Nature Environment and Pollution Technology</i> , <b>13</b> :775-780.	3.85
68.	Sahu, A., Singh, S.K., Sahu, N., Ram, B. and Manna, M.C. 2014 Adsorption-desorption studies of cadmium in three different soil orders. <i>Nature Environment and Pollution Technology</i> , <b>13</b> : 559-564.	3.85
69.	Srinivasan. R., Jeevan Rao K., Sailaja, V. and Kalaivanan. D. 2014. Influence of organic manures and fertilizers on nutrient uptake, yield and quality in cabbage-baby corn cropping sequence. <i>Journal of Horticultural Sciences</i> , <b>9</b> :48-54.	3.43
70.	Nalina, C.N., Anil Kumar, K.S., Sandeep Kumar, D.K., Narendra Babu, B., Kumara Naik and Santhosha, V.P. 2015. Characterization and classification of soils of Nagenahalli micro-watershed in Bangalore Rural District of Karnataka, <i>International Journal on Environmental Sciences</i> , <b>6</b> :102-113.	3.06
71.	Singh, S.K., Patil, N.G., Tiwary P. and Chatterji, S. 2013. Issues and strategies of natural resource management and land use planning in semi-arid regions of India. <i>Annals of Arid Zone</i> , <b>52</b> : 211-223	3.02
72.	Deshmukh, H.V, Chandran, P., Pal, D.K., Ray, S.K., Bhattacharyya, T. and Potdar, S.S. 2014. A pragmatic method to estimate plant available water capacity (PAWC) of rainfed cracking clay soils (Vertisols) of Maharashtra, Central India. <i>Clay Research</i> <b>33</b> :1-14.	2.97
73.	Bhaskar B.P., Raja, P. and Bhattacharyya, T. 2014. Soil informatics for agricultural land suitability assessment in Seoni district, Madhya Pradesh, India. <i>Enviro Geochimica Acta</i> , <b>1</b> : 292-300.	-
74.	Bhaskar B.P., Sarkar, D., Bhattacharyya, T., Satyavati, P.L.A., Bobade, S.V. and Anantwar S.G. 2015. Geochemical characterization of shrink-swell soils in Yavatmal district, Maharashtra. <i>Journal of Applied Geochemistry</i> , <b>17</b> : 98-108.	-
75.	Bhaskar B.P., Sarkar, D., Bobade, S.V., Gaikwad, S.S. and Anantwar,	-

	S.G. 2014. Land evaluation for irrigation in cotton growing Yavatmal district, Maharashtra. <i>International Journal of Research in Agricultural Sciences</i> , 1:128-136.	
76.	Bhattacharyya, T., Ray, S.K. Maurya, U.K., Chandran, P., Pal, D.K., Durge, S.L., Nimkar, A.M., Sheikh, S.M., Kuchankar, H.W. Telpande, B., Dongre, V. and Kolhe, A. 2015. Carbon and nitrogen estimation in soils: Standardizing methods and internal standards for C/N analyzer. <i>Journal of Indian Chemical Society</i> , 92:263-269.	-
77.	Chaturvedi, A., Hajare, T.N., Patil, N.G., Chaturvedi, Alka, Mungole, Arvind, Kamble, Rahul 2015. Land use planning issues in management of common property resources in a backward tribal area. <i>Land Use Policy</i> 42:806-812.	-
78.	Dharumarajan, S. and Singh, S.K. 2014. Variations of soil properties and phosphorous fractions in three cropping systems of Lower Indo-Gangetic Alluvial Plain. <i>African Journal of Agricultural Research</i> , 9:1878-1886.	-
79.	Meena, P.N. and Meena, R.K. 2014. Indigenous technical knowledge used by farmers in district of Lucknow, Uttar Pradesh, India. <i>International Journal of Traditional and Natural Medicines</i> , 4: 26-31.	-
80.	Pable, D., Chatterji, S., Venugopalan, M.V., Sen, T.K., Giri, J.D., Sarkar, D. 2014. Soil Quality Assessment using Fuzzy Modelling - A case study in rainfed cotton growing Agro-ecological Subregions of Vidarbha, Maharashtra. <i>Journal of Cotton Research</i> , 5: 126-131	-
81.	Banerjee, T., Singh, S.K., Dharumarajan, S. and Sarkar, D. 2014. Integration of high resolution satellite data, DEM and GIS for large scale mapping – A Case study from lower Gangetic Alluvial Plain of India. <i>International Journal of Geomatics and Geosciences</i> , 5: 345-356.	-
82.	Patil, S.D., Pabale, D.S., Sen, T.K., Chatterji, S. and Handore R.M. 2013. Carbon stock in soils of Gondia district, Maharashtra under different land use systems. <i>International Journal of Ecology, Environment and Conservation</i> , 20: 1575-1580.	-
83.	Sharma, R.P., Singh, R.S., Singh, S.K., Naik P.S. and Singh, B. 2014. Health of soil supporting vegetable cultivation in peri-urban areas. <i>International Journal of Vegetable Science</i> , DOI:10.1080/19315260.2014.923549	-
84.	Singh, D., Bhaskar, B.P., Baruah, U. and Sarkar, D. 2014. Evaluation of rice ( <i>Oryza sativa</i> ) based cropping systems in major soil series of Upper Brahmaputra Valley, Asom. <i>Global Journal of Science Frontier Research: Agriculture and Veterinary</i> , 14:73-78.	-
85.	Singh, R., Singh, R.S., Gupta, P.K., Verma, T.P. and Jat, G. 2014. Nutrient status of orange growing soils developed on different parent materials in Jhalawar. <i>Indian Journal of Fertilisers</i> , 10:42-50.	-

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**Reaserch Publications having NAAS rating > 6.0**

1.	Dinesh, R. and Ghoshal Chaudhuri, S. 2013. Soil biochemical / microbial indices as ecological indicators of land use change in mangrove forest. <i>Ecological Indicators</i> , <b>32</b> : 253-258.	9.19
2.	Gupta Choudhury, S., Srivastava, S., Singh, R., Chaudhari, S. K., Sharma, D. K., Singh, S. K., Sarkar, D. 2014. Tillage and residue management effects on soil aggregation, organic carbon dynamics and yield attribute in rice–wheat cropping system under reclaimed sodic soil. <i>Soil and Tillage Research</i> , <b>36</b> :76-83.	8.71
3.	Singh, U. B., Sahu, A., Sahu, N., Singh, R.K., Singh, R. Dinesh K., Singh, B. P., Jaiswal, R.K., Singh, D. P., Rai, J.P., Manna, M.C., Singh, K.P., Srivastava, J.S., Subba Rao, A., Rajendra Prasad, S. 2013. Nematophagous fungi: Catenaria anguillulae and Dactylaria brochopaga from seed galls as potential biocontrol agents of Anguina tritici and Meloidogyne graminicola in wheat ( <i>Triticum aestivum L.</i> ). <i>Biological Control</i> , <b>67</b> :475–482.	8.01
4.	Reza, S.K., Baruah, U., Chattopadhyay, T. and Sarkar, D. 2014. Distribution of forms of potassium in relation to different agroecological regions of North-Eastern India. <i>Archives of Agronomy and Soil Science</i> (DOI:10.1080/03650340.2013.800943).	7.12
5.	Bhattacharyya T., Pal, D.K., Mandal, C., Chandran, P., Ray, S.K., Sarkar, D., Velmourougane, K., Srivastava, A., Sidhu; G.S., Singh; R.S., Sahoo, A.K., Dutta, D., Nair, K.M., Srivastava, R., Tiwary, P., Nagar, A.P. and Nimkhedkar, S.S. 2013. Soils of India: historical perspective, classification and recent advances (review article). <i>Current Science</i> , <b>104</b> :1308-1323.	6.97
6.	Singh, S. K., Sidhu, G. S., Gupta Choudhury, S., Pandey, C. B., Banerjee, T. Sarkar, D. 2014. Soil organic carbon density in arable and non-arable lands under varied soil moisture and temperature regimes in cold arid to sub-tropical areas of Western Himalaya, India. <i>Arid Land Research and management</i> , <b>28</b> :169-185.	6.75
7.	Rao, S.S., Dinesh Kumar, S., Das, S.N., Nagaraju, M.S.S., Venugopalan, M.V., Rajankar, P., Laghate, P., Reddy S., Joshi, A.K. and Sharma, J.R. 2013. Modified Dubois model for estimating soil moisture with dual polarimetric SAR data. <i>Journal of the Indian Society of Remote Sensing</i> , <b>41</b> : 865-872.	6.68
8.	Banerjee, T., Das, K., Singh, S.K and Sarkar, D. 2013. Microwatershed in Chotanagpur Plateau, West Bengal, India- evaluation of Sabai Grass as alternate farming options. <i>Range Management &amp; Agroforestry</i> , <b>34</b> :122-126.	6.39



9.	Singh, D., Bhaskar, B. P., Baruah, U. and Sarkar, D. 2014. Agro-economic analysis of sustainable cropping patterns in hydric rice fallows of upper Brahmaputra valley, Asom. <i>Indian Journal of Agricultural Sciences</i> , <b>84</b> : 385–390.	6.17
10.	Singh, D., Bhaskar, B.P., Baruah, U., Sarkar, D. and Vadivelu, S. 2013. Economic Appraisal of rice ( <i>oryza sativa</i> ) based cropping sequences in major soil series of upper Asom. <i>Indian Journal of Agricultural Sciences</i> , <b>83</b> :326-330.	6.17
11.	Karthikeyan K. Pushpanjali, Jagdish Prasad and Sarkar, D. 2013. Suitability and productivity assessment of soybean ( <i>Glycine max L</i> ) – growing soils of Dhar district, Madhya Pradesh, India. <i>Legume Research</i> , <b>36</b> :442-447.	6.15

2013-14

**Reaserch Publications having NAAS rating < 6.0**

12.	Singh, D., Bhaskar, B.P., Baruah, U. and Sarkar, D. 2013. Soil analogy for making varietal and fertilizer recommendations for rice ( <i>Oryza sativa</i> ) Cultivars in Brahmaputra valley, Assam. <i>Indian Journal of Agronomy</i> , <b>58</b> :21-25.	5.46
13.	Rajula Shanthi, T., Singh, M., Sahu, N., Surekha, M. Balaji Rajkumar, Gopala Sundara Raj, S., De, Kalyan, and Ramachandran, S. 2013. Participatory rural appraisal: A holistic approach for getting insight into an agro-ecosystem analysis. <i>Indian Journal of Extension Education</i> , <b>13</b> :1-9.	5.32
14.	Dutta D., Bandyopadhyay S., Baruah U. and Sarkar, D. 2013. Use of Taxonomic Approach to Estimate Total Soil Organic Carbon (SOC) Pool Sizes in Meghalaya State, India. <i>Journal of the Indian Society of Soil Science</i> , <b>61</b> :237-243.	5.23
15.	Garhwal, R.S., Qureshi, F.M., Giri, J.D., Yadav, R.S. and Singh, R. 2013. Suitability assessment for arable crops in Sirohi district of Rajasthan. <i>Journal of the Indian Society of Soil Science</i> , <b>61</b> :141-143.	5.23
16.	Kar, G., Chattaraj, S. and Ashwani Kumar 2013. Pedo-transfer function for determining soil water retention and assessing their utility in simulation model for predicting rice growth and yield. <i>Journal of the Indian Society of Soil Science</i> , <b>61</b> :300-310.	5.23
17.	Nasre, R.A., Nagaraju, M.S.S., Srivastava, R., Maji, A.K. and Barthwal, A. K. 2013. Characterization, classification and evaluation of soils of Karanji watershed, Yavatmal district of Maharashtra for land resource management using geo-spatial technologies. <i>Journal of the Indian Society of Soil Science</i> , <b>61</b> :275-286.	5.23
18.	Niranjana, K.V., Anil Kumar, K.S., Koyal, A., Naidu, L.G.K. and	5.23

	Sarkar, D. 2013. Major soils of Pulivedla region, Andhra Pradesh and their constraints. <i>Journal of the Indian Society of Soil Science</i> , <b>61</b> :140-142.	
19.	Gangopadhyay S.K., Obi Reddy, G.P., Sarkar, D. 2014. Erosion risk mapping in Perugua micro-watershed of semi-arid tropics of India using remote sensing and GIS. <i>Indian Journal of Soil Conservation</i> , <b>42</b> :99-106.	5.20
20.	Patil, N.G., Mandal, C. and Mandal, D.K. (2013) Comparative evaluation of nearest neighbor and neural networks approach to estimate soil water retention at field capacity and permanent wilting point. <i>Indian journal of soil conservation</i> , <b>41</b> :25-29.	5.20
21.	Pushpanjali, Karthikeyan, K., Sahu, S.S., Sahoo, A.K. and Sarkar, D. 2013. Delineation and prioritization of Jumar sub-watershed for sustainable development using geospatial techniques. <i>Indian Journal of Soil Conservation</i> , <b>41</b> :99-106.	5.20
22.	Nasre, R.A., Nagaraju, M.S.S., Srivastava, Rajeev, Maji, A.K. and Barthwal, A.K. 2013. Soil erosion mapping for land resources management in Karanji watershed of Yavatmal District, Maharashtra using remote sensing and gis techniques. <i>Indian Journal of Soil Conservation</i> , <b>41</b> :248-256.	5.20
23.	Nirmal Kumar, Obi Reddy, G.P., Chatterji, S., Jagdish Prasad and Sarkar, D. 2013. An application of classification and regression tree on qualitative soil survey data for land capability classification. <i>Journal of Soil and Water Conservation</i> <b>12</b> :301-306.	5.08
24.	Velmourougane, K., Venugopalan, M.V., Bhattacharyya, T., Sarkar, D., Pal, D. K., Sahu A., Chandran, P., Ray, S. K., Mandal, C., Nair, K. M., Jagdish Prasad, Singh, R. S. and Tiwary, P. 2013. Microbial biomass carbon status in agro-ecological sub-regions of black soil in India. <i>Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.</i> (DOI 10.1007/s40011-013-0238-y).	5.00
25.	Bhattacharyya, T.; Pal, D.K.; Ray, S.K; Chandran, P., Mandal, C.; Deshmukh, A.S.;Telpande, B. and Tiwari, P. 2013.Simulating change in soil organic carbon in two long term fertilizer experiments in India : with the RothC model. <i>Climate Change and Environmental Sustainability</i> , <b>1</b> :104-117, 126 (DOI 10.5859/j2320-642X.1.2.010)	4.86
26.	Telpande, B., Bhattacharyya, T., Wankhede, D.M, Jha, P., Tiwari, P., Chandran, P.and Ray, S.K. 2013.Simulating soil organic carbon in high clay in India : DNDC model experience. <i>Climate Change and Environmental Sustainability</i> , <b>1</b> :118-126. (DOI 10.5859/j2320-642X.1.2.011).	4.86
27.	Jagdish Prasad2013. Evaluation of some typical soils of Jalgaon district of Maharashtra for suitability of cotton. <i>Journal of Cotton Research and Development</i> , <b>27</b> :242-245.	4.69

28.	Patil, S. D., Sen, T. K., Chatterji, S., Sarkar, D. and Handore, R. 2013. Distribution of DTPA extractable micronutrients in acid soils of Goregaon and Aamgaon tehsil of Gondia district of Maharashtra. <i>Research Journal of Agricultural Sciences</i> , <b>5</b> :273-276.	4.54
29.	Verma, T.P., Singh, S.P., Ram Gopal, Katiyar, D.K., Singh, R. and Dhankar, R.P.2014. Characterization and management of soils in semi-arid region of Western Uttar Pradesh for sustainable agriculture. <i>Annals of Plant and Soil Research</i> , <b>16</b> :9-14.	4.39
30.	Chattopadhyay, T., Reza, S.K., Nath, D.J., Baruah, U., and Sarkar, D. 2012. Effect of land use on soil microbial biomass carbon and nitrogen content in the soils of Jorhat district, Assam. <i>Agropedology</i> , <b>22</b> :119–122.	4.16
31.	Dhanorkar, B.A., Koyal, Arti, Mohekar, D.S., Naidu, L.G.K., Reddy, R.S. and Sarkar, D. 2013. Soil resources assessment for crop planning in Medak district, Andhra Pradesh. <i>Agropedology</i> , <b>23</b> :23-29.	4.16
32.	Dutta, D.; Banerjee, T. and Sarkar, D. 2013. Length of growing period assessment in Bankura district for micro-level crop planning. <i>Agropedology</i> , <b>22</b> :80-87.	4.16
33.	Garhwal, R.S., Qureshi, F.M. and Giri, J.D. 2013. Characteristics and classification of the soils of Sirohi district of Rajasthan. <i>Agropedology</i> , <b>23</b> :8-15.	4.16
34.	Naidu, L.G.K., Ramamurthy V., Srinivas, S., Reddy, R.S. and Sarkar, D. 2013. Need for developing user friendly soil maps: A case study of Andhra Pradesh. <i>Agropedology</i> , <b>23</b> :30-35.	4.16
35.	Reza, S.K., Baruah, U., Bandyopadhyay, S., Sarkar, D. and Dutta, D.P. 2012. Characterization of soil acidity under different types of land use systems in Assam. <i>Agropedology</i> , <b>22</b> :123-127.	4.16
36.	Sadanshiv, N. S., Chatterji, S., Sen, T.K., Venugopala, M.V., Tiwary, P., Wagh, N.S. and Chaturvedi, A. 2012. Application of Crop Simulation Model for Quantification of yield Gap of Cotton in Wardha district, Maharashtra <i>Agropedology</i> , <b>22</b> :74-79.	4.16
37.	Tiwary P., Venugopalan, M.V., Blaise, D., Chatterji, S., Sen, T.K. and Tandulkar, N.R. 2013. Evaluation of sustainability of rainfed cotton yield under conventional and integrated nutrient management practices. <i>Agropedology</i> , <b>23</b> :53-58.	4.16
38.	Srinivasan, A., Natarajan, A., Anil Kumar, K.S. and Kalaivanan, D. 2013. Distribution of available macro and micronutrients in cashew growing soils of Dakshina Kannada District of Coastal Karnataka. <i>Madras Agricultural Journal</i> , <b>100</b> :113-117.	3.98
39.	Thakre, P. V., Ray, S. K., Chandran, P., Bhattacharyya, T. and Pal, D. K. 2013. Does sodicity in Vertisols affect the layer –charge of smectites? <i>Clay Research</i> , <b>32</b> :76-90.	2.97

40.	Nayak, D. C. and Sarkar, D. 2013. Mineralogy of some benchmark soils of the coastal plain, West Bengal. <i>Clay Research</i> <b>32</b> :1-16.	2.97
41.	Anitha, M.S., Anil Kumar, K.S., Nair, K.M., Shivaprasad, C.R., Naidu, L.G.K. and Sarkar, D. 2013. Soil boron and its fractions in agro-climatic zones of Karnataka. <i>Clay Research</i> , <b>32</b> :25-33.	2.97
42.	Banerjee, T., Das, A.L. and Mukhopadhyay, S.C. 2011. Prioritisation of Silai subwatersheds for Erosion management using drainage morphometry and soil erosion rates. <i>Geographical Review of India</i> , <b>73</b> : 323-338	-
43.	Bhaskar B. P., Sarkar Dipak, Bobade, S. V., Gaikwad, S. S., Anantwar, S. G. 2014. Land evaluation for irrigation in cotton growing Yavatmal District, Maharashtra. <i>International Journal of Research in Agricultural Sciences</i> , <b>1</b> (2) ISSN (Online):2348–3997:128-136.	-
44.	Bhaskar B.P., Sarkar, D., and Baruah, U. 2013. Pedogenesis in rice growing hydric soils of Majuli river island, Assam, India. <i>J. Indian Chem. Soc.</i> <b>90</b> :1431-1439.	-
45.	Bhaskar B.P. and Sarkar, D. 2013. Capability and quality assessment of rice growing hydric soils in Majuli river Island, Assam, India. <i>Journal of Agriculture and Environment for International Development</i> , <b>107</b> :1-13-32.	-
46.	Bhaskar B.P. and Saxena, R.K. 2013. Soil-landscape relationship in Lohit valley near Tezu, Arunachal Pradesh, India. <i>International Journal of Scientific Research</i> , <b>12</b> :55-59.	-
47.	Bhaskar, B.P Sarkar, D. and Baruah, U. 2013. Geochemistry of hydric soils in Majuli river island, Assam, India. <i>J. Indian Chem. Soc.</i> <b>90</b> :2279-2283.	-
48.	Dharamurajan, S., Singh, S.K., Banerjee, T. and Sarkar, D. 2013. Water retention characteristics and available water capacity in three cropping systems of lower Indo-Gangetic Alluvial Plain. <i>Communication in Soil and Plant Analysis</i> . DOI:10.1080/00103624.2013.803561.	-
49.	Goswami S. N., Chaturvedi A., Chatterji, S., Patil, N. G., Sen, T. K., Hajare, T. N. and Gawande, R. S. 2013. Least cost diet plan of cows for small dairy farmers of Central India. <i>African Journal of Agricultural Research</i> , <b>8</b> :5989-5995.	-
50.	Nirmal Kumar, Obi Reddy, G.P. and Chatterji, S. 2013. Evaluation of best first decision tree on categorical soil survey data for land capability classification. <i>International Journal of Computer Application</i> , <b>72</b> : 5-8.	-
51.	Roy, R.P., Jagdish Prasad and Gupta, R. 2012. Assessment of well-water quality for drinking purpose-A case study in Nari area, Nagpur district Maharashtra. <i>Journal of Environmental Science</i>	-

	<i>and Engineering</i> , <b>54</b> :420-423.	
52.	Roy, R. P., Jagdish Prasad, Joshi, A.P. and Gupta, R. 2013. Accumulation of heavy metals in soils and radish crop irrigated with wastewater of textile industry in Nagpur district, Maharashtra. <i>Bangladesh Journal of Agriculture and Environment</i> , <b>9</b> :25-28.	-
53.	Singh, D., Bhaskar B.P, Baruah U. and Sarkar, D. 2013. Diversification of rice ( <i>Oryza sativa</i> L.) based cropping systems for higher productivity and resource use efficiency in major soil series of Upper Brahmaputra valley of Assam. <i>Indian Journal of Dryland Agricultural Research and Development</i> , <b>28</b> :26-32.	-
54.	Singh, D., Bhaskar, B.P., Baruah, U. and Sarkar, D. 2013. Diversification of rice ( <i>Oryza Sativa</i> L.) based cropping systems for higher productivity and benefits on dominant soil series of upper Brahmaputra Valley, Assam. <i>Annals of Agriculture Research New Series</i> , <b>34</b> :1-6.	-
55.	Singh, D., Bhaskar, B.P., Baruah, U. and Sarkar, D. 2013. Production potential of Lahangaon soil series for rice based cropping sequences in riverine floodplains of northeastern India. <i>Annals of Agriculture Research</i> , <b>34</b> :269-275.	-
56.	Singh, D., Bhaskar, B.P., Baruah, U. and Sarkar, D. 2014. Diversification of rice ( <i>Oryza sativa</i> L.) based cropping systems for higher productivity and benefits on dominant soil series of upper Brahmaputra valley. <i>Annals of Agriculture Research</i> , <b>35</b> :37-42.	-
57.	Verma, T. P., Singh, S. P., Ram Gopal and Singh, R. 2014. Nutrient Assessment in Soils of Upper Gangetic Plain to Sustain Soil Productivity. <i>Indian Journal of Fertilizers</i> , <b>10</b> :58-63.	-

2012-13

**Reaserch Publications having NAAS rating > 6.0**

1.	Chattaraj, S., Chakraborty, D., Garg, R.N., Singh, G.P., Gupta, V. K., Singh, S. and Singh, R. (2013). Hyperspectral remote sensing for growth-stage-specific water use in wheat. <i>Field Crops Research</i> , <b>144</b> : 179-191.	8.93
2.	Velmourougane, K., Venugopalan, M.V., Bhattacharyya, T., Sarkar, Dipak, Pal, D. K., Sahu Apeksha, Ray, S. K., Nair, K. M., Prasad Jagdish and Singh, R. S. (2013). Soil dehydrogenase activity in agro-ecological sub regions of black soil regions of India. <i>Geoderma</i> , <b>197-198</b> : 186-192.	8.86
3.	Pal, D.K., Bhattacharyya, T., Sinha, R., Srivastava, P., Dasgupta, A.S., Chandran, P., Ray, S.K. and Nimje, A. (2012). Clay minerals record from late Quaternary drill cores of the Ganga Plains and their implications for provenance and climate change in the	8.53

	Himalayan foreland, <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>356-357</b> : 27-37.	
4.	Chaturvedi Arun, Kamble, R., Patil, N. G. and Chaturvedi, Alka (2013) City - Forest relationship in Nagpur, one of the greenest city of India. <i>Urban Forestry and Urban Greening</i> , <b>12</b> : 79-87. DOI: <a href="http://dx.doi.org/10.1016/j.ufug.2012.09.003">http://dx.doi.org/10.1016/j.ufug.2012.09.003</a> .	8.01
5.	Patil, N. G., Tiwary, P., Pal, D. K., Bhattacharya, T., Sarkar, D., Mandal, C., Mandal, D., Chandran, P., Ray, S., Prasad, J., Lokhande, M., and Dongre, V. (2012). Soil water retention characteristics of black soils of India and pedotransfer functions using different approaches. <i>Journal of Irrigation and Drainage Engineering</i> , <b>139</b> : 313-324. (DOI: <a href="http://dx.doi.org/10.1061/(ASCE)IR.1943-4774.0000527">http://dx.doi.org/10.1061/(ASCE)IR.1943-4774.0000527</a> )	7.36
6.	Obi Reddy, G.P., Sarkar Dipak, Jagdish Prasad and Ramamurthy, V. (2013). Geospatial modeling in assessment of biophysical resources for sustainable land resource management. <i>Tropical Ecology</i> , <b>54</b> : 227-238.	7.17
7.	Obi Reddy, G.P., Nagaraju, M.S.S., Ramteke, I.K. and Sarkar, Dipak (2012). Terrain characteristics for soil resource mapping using IRS-P6 data and GIS – A case study from basaltic terrain of central India. <i>Journal of the Indian Society of Remote Sensing</i> , <b>41</b> :331-343. (DOI: <a href="http://dx.doi.org/10.1007/s12524-012-0240-5">10.1007/s12524-012-0240-5</a> ).	6.68
8.	Singh, D., Bhaskar, B. P., Baruah U., Sarkar, Dipak, and Vadivellu, S. (2013). Economic appraisal of rice based cropping sequences in major soil series of upper Asom. <i>Indian Journal of Agricultural Sciences</i> , <b>83</b> : 326–330.	6.17

2012-13

**Reaserch Publications having NAAS rating < 6.0**

9.	Sidhu, G.S., Surya, Jaya N., Lal, T., Katiyar. D.K. and Sharma, J.P. (2012). Soils of lower Siwaliks of Himalayas – Their degradation status and land management. <i>Journal of Soil and Water Conservation</i> , <b>11</b> : 18-123.	5.08
10.	Chaturvedi, Arun, Obi. Reddy, G.P., Srivastava, Rajeev and Maji, A.K. (2012). Remote sensing and GIS applications in rainfed agriculture management. <i>J. Soil and water conservation (India)</i> , <b>11</b> : 174-180.	5.08
11.	Bante, Rashmi R., Srivastava, Rajeev, Nagaraju, M.S.S. and Jagdish Prasad (2012). Characterization and evaluation of land resources for watershed management in Vidarbha region of Maharashtra using RS and GIS. <i>Journal of the Indian Society of Soil Science</i> , <b>60</b> : 261-268.	5.23
12.	Gangopadhyay, S.K., Sarkar Dipak, Sahoo, A. K. and Singh. S.K. (2012). Soils of rainfed region of West Bengal and their productivity	5.23

	potential appraisal. <i>Journal of the Indian Society of Soil Science</i> , <b>60</b> : 83-91.	
13.	Mahesh Kumar, Singh, S.K., Raina, P. and Sharma, B. K. (2011). Status of available major and micronutrients in arid soils of Churu district of Western Rajasthan. <i>Journal of the Indian Society of Soil Science</i> , <b>59</b> : 188-192.	5.23
14.	Reza, S.K., Baruah, U. and Sarkar, Dipak (2012). Spatial variability of soil properties in Brahmaputra plains of North-Eastern India: A geostatistical approach. <i>Journal of the Indian Society of Soil Science</i> , <b>60</b> : 108–115.	5.23
15.	Reza, S.K., Pal, S. and Singh, S. (2012). Rock phosphate-enriched pressmud compost: Direct effect in pearl millet ( <i>Pennisetum glaucum</i> L.) and residual effect in mustard ( <i>Brassica juncea</i> ) in a Typic Haplustept. <i>Journal of the Indian Society of Soil Science</i> , <b>60</b> : 138–144.	5.23
16.	Reza, S.K., Baruah, U. and Sarkar Dipak (2012). Mapping risk of soil phosphorus deficiency using geostatistical approach: A case study of Brahmaputra plain, Assam, India. <i>Indian Journal of Soil Conservation</i> , <b>40</b> : 65–69.	5.20
17.	Velmourougane, K., Venugopalan, M.V., Bhattacharyya, T., Sarkar, Dipak, Pal, D. K., Sahu Apeksha, Chandran, P., Ray, S. K., Mandal, C., Nair, K. M., Prasad Jagdish, Singh R. S. and Tiwary, P. (2013). Urease activity in various agro-ecological sub-regions of black soil regions of India. Proceedings National Academy of Science, India, Section B - Biol. Sci. DOI 10.1007/s40011-013-0162-1.	5.00
18.	Jatav, M. K., Manoj Kumar, Trehan, S. P., Dua, V. K., Lal, S. S. and Sharma, R. P. (2012) Influence of microorganisms inoculation on nutrient economy in Potato-radish crop sequence in North Western Himalayas. <i>Vegetable Science</i> <b>39</b> : 21-25.	4.98
19.	Patil, N. G. and Chaturvedi, Arun (2011). Surrogate prediction of saturated hydraulic conductivity of seasonally impounded soils. <i>Journal of Soil Salinity and Water Quality</i> , <b>3</b> : 30-36.	4.94
20.	Surya, Jaya N, Singh, S.P. and Jat, R.S. (2012). Suitability assessment of soil resources for micro level crop planning – A case study. <i>Journal of Soil and Crops</i> , <b>22</b> : 297-301.	4.46
21.	Gangopadhyay, S.K., Baruah U. and Sarkar, Dipak (2012). Forest soils of Upper Brahmaputra valley of Assam – their characteristics and classification. <i>Agropedology</i> , <b>21</b> : 1-9.	4.16
22.	Nirmal Kumar, Obi Reddy, G.P., Chatterjee, S. and Sarkar, Dipak (2013). An application of ID3 decision tree algorithm for land capability classification, <i>Agropedology</i> , <b>22</b> : 35-42.	4.16
23.	Pachpor, Swapnil D., Nagaraju, M.S.S., Srivastava, Rajeev, Barthwal, A.K., Nasre, R.A. and Mohekar, D. (2012). Characterization and evaluation of land resources for management of Savli micro-	4.16

	watershed in Wardha district of Maharashtra. <i>Agropedology</i> , <b>22</b> : 8-17.	
24.	Surya, Jaya N. and Singh, S.P. (2012). Characterization, classification and management needs of Indo-Gangetic Alluvial Plains in Karnal district of Haryana. <i>Agropedology</i> , <b>22</b> : 50-55.	4.16
25.	Verma, T.P., Singh, S.P., Ram Gopal, Dhankar, R.P., Rao, R.V.S. and Tarsem Lal (2012). Characterization and evaluation of soils of Trans Yamuna area in Etawah district, Uttar Pradesh for sustainable land use. <i>Agropedology</i> , <b>22</b> : 26-34.	4.16
26.	Maske, S.P., Anil kumar, K.S., Hegde Rajendra, Ramesh kumar, S.C., Srinivas, S. and Naidu, L.G.K. (2012). Rainfall probability analysis for crop planning –a case study of Kuttanagere micro-watershed. <i>Mysore Journal of Agricultural Sciences</i> , <b>46</b> : 683-686.	3.93
27.	Vishal, M.K., Aishwath, O.P., Singh., R., Mehta, R.S., Mishra, B.K., Obi Reddy, G.P. and Nirmal Kumar (2013). Spatial and Temporal assessment of area, production and productivity of cumin in Rajasthan. <i>International Journal of Seed Spices</i> , <b>3</b> : 70-76.	3.91
28.	Goswami S.N., Chaturvedi, A. and Gawande, R.S. (2012). Economics and resource use efficiency of rice farming in Gondia district of Maharashtra. <i>Agricultural Situation in India</i> , <b>68</b> : 521-528.	3.15
29.	Kolhe, A.H., Chandran, P., Ray, S.K., Bhattacharyya, T., Pal, D.K. and Sarkar, Dipak (2011). Genesis of associated red and black shrink-swell soils of Maharashtra. <i>Clay Research</i> , <b>30</b> : 1-11.	2.97
30.	Pal, D. K., Bhattacharyya, T., Chandran, P., and Ray, S. K. (2012) Linking minerals to selected soil bulk properties and climate change: A review, <i>Clay Research</i> , <b>31</b> : 38-69.	2.97
31.	Satyavathi, P. L. A., Raja, P., Ray, S. K., Anantwar, S. G. and Bhaskar B. P. (2012) Elemental composition and mineralogy of silt and clay fractions of cracking clay soils of semi arid and arid parts of Gujarat, India, <i>Clay Research</i> , <b>31</b> : 12-26.	2.97
32.	Chaturvedi Arun, Patil, N. G. and Hajare, T. N. (2012) Land and livelihood issues in different stages of tribal resettlement. <i>Indian Forester</i> , <b>138</b> : 584-588	-
33.	Dadhich R. K., Sharma, R. P., Kumawat, S. M., Singh, G. and Sahu, M. P. (2013). Use of <sup>59</sup> Fe Isotope in iron chlorosis for fodder sorghum bicolor. <i>Noto-are Agriculture</i> , ISSN 1941-2681. <a href="http://www.notoare.com/18973108">http://www.notoare.com/18973108</a> .	-
34.	Mandal D.K., Goswami S. N., Mandal, C., and Sarkar Dipak and Jagdish Prasad (2012). Sustainable use of shallow soils in the context of global climate change, <i>Indian Journal of Fertilizers</i> , <b>8</b> : 32-44.	-
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