

ICAR NBSS&LUP PUBLICATIONS 2014-2015

Research Publications having NAAS rating > 6.0

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| 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> , 197 :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> , 35 :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> , 108 :273-282. | 6.97 |
| 4. | Bhattacharyya, T. <i>et al.</i> 2014. Georeferenced soil information system: assessment of database. <i>Current Science</i> , 107 :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> , 107 :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>CurrentScience</i> , 107 :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> , 107 :1502-1511. | 6.97 |

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| 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> , 108 :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> , 108 :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> , 107 : 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> , 106 :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> 107 :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> 107 :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> , 107 :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> 107 :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> , 107 :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> , 107 :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> , 107 :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> , 107 :1512□1518. | 6.97 |

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| 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> , 88 : 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> , 45 :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> , 35 :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> , 84 : 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 |

2014-15

Research Publications having NAAS rating < 6.0

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| 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> , 60 :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> , 61 :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> , 62 :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> , 62 : 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> , 62 :408-413. | 5.23 |

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| 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> , 42 :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> , 42 : 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> , 42 :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> , 10 : 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> , 40 :234-236. | 4.98 |
| 37. | Sharma, R.P., Yadava, R.B., Lama, T.D., Bahadur, Anantand Singh, K. P. 2013. Status of secondary nutrients vis-à-vis soil site- characteristics of vegetable growing soils of Varanasi. <i>Vegetable Science</i> , 40 : 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> , 33 :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> , 4 :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> , 2 :14-19. | 4.94 |
| 41. | Patil, N.G. and Rajput, G.S. 2014. Surrogate estimation of soil water | 4.86 |

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| | retention characteristics of seasonally impounded soils.doi:10.5958/0976-058X.2014.01324.9 <i>Indian Journal of Agricultural Research</i> , 48 : 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: presentand future prospectus for coriander seed production in southeast Rajasthan. <i>Economic Affairs</i> , 59 : 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> , 41 :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> , 6 :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 & Biotechnology</i> , 7 :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 & Development</i> 29 :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 & Development</i> , 29 :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> 5 : 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> , 5 : 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> , 9 :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> , 24 :166-178. | 4.16 |

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| 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> , 24 :138-145. | 4.16 |
| 53. | Baruah, U., Bandyopadhyay, S. and Reza, S.K. 2014. Land use planning and strategic measures in North Eastern Region of India. <i>Agropedology</i> 24 : 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> , 24 :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> , 24 : 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> , 24 : 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> , 24 : 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> , 24 :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> , 24 :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> , 24 :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> , 24 :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> , 23 : 59-125. | 4.16 |
| 63. | Vassanda Coumar, M., Karthikeyan, K. and Satyanarayana, T., 2013. Effect of diammonium phosphate and rock phosphate enriched biogas slurry on yield and uptake of phosphorus by mustard, <i>Agropedology</i> , 23 : 100-105. | 4.16 |

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| 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> , 23 :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> , 7 :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> , 7 :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> , 13 :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> , 13 : 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> , 9 :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> , 6 :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> , 52 : 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> 33 :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> , 1 : 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> , 17 : 98-108. | - |
| 75. | Bhaskar B.P., Sarkar, D., Bobade, S.V., Gaikwad, S.S. and Anantwar, | - |

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| | 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. | - |