



JOURNAL OF SOIL AND WATER CONSERVATION NEW SERIES

Vol. 17, No. 4

ISSN: 0022-457X

OCTOBER-DECEMBER 2018

Contents

Soil loss tolerance assessment under different land uses in submontane Punjab SUMITA CHANDEL and M.S. HADDA	303
Influence of altitude on soil organic carbon stocks in land use systems of Uttarakhand State: Geospatial approach N.S. GAHALOD, NAVNEET JARYAL, MALLIKARJUN ROODAGI and S.A. DHALE	311
Assessment of spatial variability in physico- chemical properties of soils in Alirajpur district of Madhya Pradesh using Geo-statistical approach TIKAM CHAND YADAV, H.K. RAI, G.S. TAGORE, DAYANIDHI CHAUBEY and R. DHAKAD	317
Field-scale spatial variability of physical properties of black soils of Purna Valley, India, using Geostatistical Approach R.K. NAITAM, V.K. KHARCHE, P.R. KADU, P.C. MOHRANA and R.P. SHARMA	325
Rainfall Intensity-Duration-Frequency relationship for Trichy and Kumulur S. VANITHA and V. RAVIKUMAR	335
Meteorological drought analysis based on rainfall data of temperate region of Kashmir ROHITASHW KUMAR, MUKESH KUMAR and MALIQA MAJID	344
Influence of drip irrigation on soil moisture content, water requirement and water use efficiency of peach (<i>Prunus persica</i> (L.) Batsch.) cv. Redhaven PRAMOD VERMA and J.S. CHANDEL	350
Development and hydraulic performance evaluation of gravity drip system of irrigation for precision kitchen gardening KHOMENDRA SAHU, JITENDRA SINHA and M.P. TRIPATHI	357
Hydroponics as an advanced technique for vegetable production: An overview NISHA SHARMA, SOMEN ACHARYA, KAUSHAL KUMAR, NARENDRA SINGH and O.P. CHAURASIA	364
Effect of tillage practices on soil moisture status and performance of Pearl millet cultivars under rainfed conditions N.K. PAREEK, JITENDRA KUMAR VERMA, S.L. GODARA and ANAND KUMAR	371
Sustainable rice-wheat cropping system in eastern India-Long term effects on soil physical conditions with integrated nutrient management DAYANIDHI CHAUBEY, S.K. PATHAK, SUSHANT, VED PRAKASH, ANSHUMAN KOHLI and ANUPAM DAS	378

All disputes are subject to the exclusive jurisdiction of competent courts and forums in Delhi/New Delhi only. The Society does not assume any responsibility for opinions offered by the authors in the articles and no material in any form can be reproduced without permission of the Society. The Society is not responsible for any delay, whatsoever, in publication/delivery of the periodicals to the subscribers due to unforeseen circumstances or postal delay. Readers are recommended to make appropriate enquiries before sending money, incurring expenses or entering into commitments in relation to any advertisement appearing in this publication. The Society does not vouch for any claims made by the advertisers of products and services. The publisher and the editors of the publication shall not be held liable for any consequences in the event of such claims not being honoured by the advertisers.

Crop residue management in diverse agro-ecosystems for improving soil health- An overview	387
AMBREESH SINGH YADAV and SANJAY ARORA	
Impact of artificial intelligence for agricultural sustainability	393
V.K. BHARTI, SURAJ BHAN, MEETALI and DEEPSHIKHA	
<i>Short Communication</i>	
Models for soil conservation planning based on soil erosion and deposition rates	400
ARADHANA THAKUR, POONAM and A.K. NEMA	
List of Reviewers during the year 2018	407