



JOURNAL OF SOIL AND WATER CONSERVATION NEW SERIES

Vol. 19, No. 2

ISSN: 0022-457X

APRIL-JUNE 2020

Contents

Rapid detailed spatial soil erosion mapping and risk assessment in Shivalik Hills, Punjab	107
N.S. GAHLOD, R.L. MEENA, SONAM BINJOLA, S.D. DHARGAWE, RAVI, DEVINDER KUMAR, RAVI GAUTAM, RAVINDRA KULKARNI and RAJNI TANEJA	
Status of soil degradation in State of Uttar Pradesh	119
SANJAY ARORA and B.P. SINGH	
Analysis of soil penetration resistance in fruit orchards: An overview	126
TARUN ADAK, G. PANDEY and S. RAJAN	
Sodic land reclamation for livelihood security in Central Indo-Gangetic Plains of Uttar Pradesh	135
V.K. MISHRA, S.K. JHA, SANJAY ARORA, Y.P. SINGH, T. DAMODARAN, C.L. VERMA, A.K. SINGH, C.S. SINGH, B.P. SINGH and A.K. MISHRA	
Sea water intrusion appraisal through ground water chemistry in coastal (Cuddalore) district of Tamilnadu, India	142
T. SHERENE, P. BALASUBRAMANIAM, M.J. KALEDHONKAR and V. RAVIKUMAR	
Perspective of drip irrigation in temperate fruits in India – A review	149
PRAMOD VERMA, J.S. CHANDEL and N.C. SHARMA	
Efficacy of drip irrigation on <i>Melia composita</i> Willd. (Malabar Neem)	156
A.H. JAGANI, P.K. SHRIVASTAVA, A.P. LAKKAD, N.S. THAKUR and D.K. DWIVEDI	
Estimation of critical dry spell analysis in Shipra basin, Madhya Pradesh	162
SMITA JAISWAL, V.K. CHANDOLA, RAVI GALKATE and PRASHANT SINGH	
Trend analysis in reference evapotranspiration using Mann-Kendall and Spearman's Rho tests in semi arid region of North Gujarat	170
JAYDIP J. MAKWANA, B.S. DEORA, B.S. PARMAR and C.K. PATEL	
Morphometric analysis of small watershed using Geographical Information System and Remote Sensing	176
LOVE KUMAR, DHIRAJ KHALKHO, V.K. PANDEY, MANISH KUMAR SINHA, PRASHANT SINGH and GAURAV KANT NIGAM	
Performance evaluation and calibration of soil moisture sensors for scheduling of irrigation in brinjal crop (<i>Solanum melongena</i> L. var. <i>Pusa Shyamla</i>)	182
JITENDRA KUMAR, NEELAM PATEL, THAKUR BAHADUR SINGH RAJPUT, ARTI KUMARI and JITENDRA RAJPUT	

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.

Development and validation of surface water yield model (SWYMOD) for fitting curve numbers of different land uses in micro-watershed of Ranga Reddy district, Telangana K.S. REDDY, V. MARUTHI, P.K. PANKAJ and PUSHPANJALI	192
Application of the CCME Water Quality index for assessment of groundwater contamination in the rural environment of the Great Hungarian Plain TAMÁS MESTER, DÁNIEL BALLA and GYÖRGY SZABÓ	202
Diagnosis of multinutrients deficiency in rainfed semi-arid tropical soils of Karnataka M. LALITHA, RAJENDRA HEGDE, ARTI KOYAL, S. PARVATHY, K.V. NIRANJANA, B.P. DHANORKAR, S. DHARUMARAJAN, S. SRINIVAS, R.S. REDDY and P. CHANDRAN	208
Sustainability in agriculture by empowering farm women through ICT MEETALI BHARTI and DEEPSHIKHA BHARTI	215
<i>Short Communication</i>	
Soil and foliar zinc application for enhancing grain zinc content of aromatic rice genotypes grown on zinc deficient and sufficient soil KHUSHDEEP SINGH, GAYATRI VERMA and J.S. MANCHANDA	223