



JOURNAL OF SOIL AND WATER CONSERVATION NEW SERIES

Vol. 21, No. 2

ISSN: 0022-457X

APRIL-JUNE 2022

Contents

Assessing the nature of soil acidity in per-humid, Sub-tropical Meghalaya in North Eastern region of India	119
PARTHA DEB ROY, R.K. JENA, P. RAY, R.P. SHARMA, S. BANDYOPADHYAY, S. RAMACHANDRAN, T. MITRAN, B.N. SAHA, S.K. SINGH and S.K. RAY	
Effect of different organics amendments on some soil physical properties in a Paddy-Berseem cropping system	127
NARESH KUMAR YADAV, VIKAS SHARMA, VIVAK M. ARYA, RAJ SINGH CHOUDHARY and N. PANOTRA	
Mapping of soil macronutrients under major land use systems in district Rajouri of Jammu and Kashmir using GIS	133
RENUKA, SARABDEEP KOUR, VIKAS SHARMA, MEENAKSHI GUPTA and DIVYA SHARMA	
Straw mulch and irrigation effect on wheat under various crop establishment techniques in Brahmaputra Valley of Assam, India	142
T.P. SAIKIA, P.K. BORDOLOI, BINOD KALITA and NILAY BORAH	
Delineation and prioritization of groundwater recharge zones in the state of Karnataka using GIS technique	146
M.J. KALEDHONKAR, RANU RANI SETHI, R.C. SRIVASTVA, ASHWANI KUMAR and SUBHA RANJAN BEHERA	
Impact of growth of groundwater irrigated area on cropping intensity and crop productivity in Bikaner district of Rajasthan	154
RAMRAJ PRAJAPAT, VIKRAM YOGI, N.K. PAREEK and SHIRISH SHARMA	
Assessment of groundwater quality in the different zones of Punjab, north-western India	160
SURABHI BHARTI, NARINDERJIT KAUR and SAT PAL SAINI	
Remote Sensing and Geographic Information System (GIS) based runoff estimation from an agricultural watershed	167
PURNIMA MISHRA and R. RAVI BABU	
Morphometric evaluation of Upper Ramganga basin using geospatial techniques	176
UPMA GAUTAM, VIVEK TIWARI, JITENDRA KUMAR and MUKESH KUMAR	
Groundwater potential zone assessment in Lumding, Assam, India, utilizing NASA's space-based satellite sensors and a multi-criteria decision-making technique	184
RUPAK DEY and SEEMA SHARMA	

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.

Optimum land allocation under different crops employing TLBO technique and assessment of land and water productivity	194
ASHRUTI UPADHYAYA, ASHUTOSH UPADHYAYA, AKRAM AHMED and PAWAN JEET	
Production and profitability of sorghum (<i>Sorghum bicolor</i> L. Moench) based intercropping system under rainfed condition	205
RAGHVENDRA SINGH, MUNISH KUMAR, SARVESH KUMAR, A.S. YADAV and PRADEEP KUMAR	
SARIMA approach for modelling and forecasting of monthly stream flow of Godavari river in India	208
P.P. DABRAL and HATNEIKIM THOMSON	
<i>Short Communication</i>	
Zinc uptake and yield of wheat as influenced by zinc fertilizer in Central Brahmaputra Valley Zone of Assam, India	215
T.P. SAIKIA, A.S.N. ZAMAN, P.K. BORDOLOI and NILAY BORAH	

ACKNOWLEDGEMENT

Our sincere thanks are placed on record to the Indian Council of Agricultural Research (ICAR), New Delhi for the grant of Financial support for the publication of journal of the Society.