

JOURNAL OF SOIL AND WATER CONSERVATION NEW SERIES

Vol. 16, No. 3

ISSN: 0022-457X

JULY-SEPTEMBER 2017

Contents

Soil resource inventory, land capability and crop suitability assessment of Bantanahalli 2 micro-watershed under semi-arid regions of Karnataka 2 S.N. ANILKUMAR, PRABHUDEV DHUMGOND, A. SATISH and V.R. RAMAKRISHNA PARAMA 2	201
	212
Physical characteristics of puddle rice soils as influenced by agro-ecological and land situations MRIDUPAWAN SAIKIA, D. BHATTACHARYYA, D.K. PATGIRI, R.K. THAKURIA, P. DEKA and NILAY BORAH	221
Zero tillage for sustaining land and water productivity in northern India2RAJAN BHATT, SANJAY ARORA and M.A. BUSARI2	228
Prioritization of sub watersheds based on erosion hazard parameter's analysis using remote 2 sensing and GIS techniques 2 C.D. MISHRA, R.K. JAISWAL, A.K. NEMA and V.K. CHANDOLA 2	234
Remote sensing and GIS based rainfall-runoff modelling using SCS-CN method: A case2study of river Kelo in Raigarh district, Chhattisgarh2GAYAM SUJATHA, JITENDRA SINHA, LOVE KUMAR and BHARTI SAHU	241
Morphometric analysis of Seonath river of Chhattisgarh using remote sensing and Geographical Information System (GIS) Technique GAURAV KANT NIGAM, M.P. TRIPATHI, S.K. AMBAST, LOVE KUMAR and DHIRAJ KHALKHO	251
Characteristics of the soils of Ladakh region of Jammu and Kashmir2R.D. GUPTA and SANJAY ARORA2	260
Field evaluation and calibration of Tensiometer and Gypsum block sensors in drip irrigated2Broccoli (Brassica oleracea var. italica)2ARTI KUMARI, NEELAM PATEL and A.K. MISHRA2	267
Influence of agrochemicals on moisture stress mitigation in Indian mustard under rainfed2conditions of Jammu2RAJEEV BHARAT, VIVAK M. ARYA, VIKAS SHARMA, S. KOUR, MEENAKSHI GUPTA, V. SHARMA,S.K. RAI and R. GUPTA	274

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.

On-farm performance of wheat grown on sodic soils irrigated with high RSC water in arid regions of Rajasthan MAHESH KUMAR, RAJ SINGH and R.N. KUMAWAT	279
Post adoption behaviour of farmers towards soil and water conservation technologies in watershed management programme R.B. MEENA, A.K. SINGH and D.C. MEENA	285
Short Communication Evaluation of Training Programmme on Integrated Watershed Management Programme in Jammu and Kashmir N.K. GUPTA, J.S. MANHAS and B. RENUKA RANI	293

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.