



# JOURNAL OF SOIL AND WATER CONSERVATION, INDIA

Vol. 24, No. 2

ISSN: 0022-457X

APRIL-JUNE 2025

## Contents

|   |     |
|---|-----|
| <b>Estimation of surface runoff potential using SCS-CN method integrated with GIS approach in Nawagarh watershed of Seonath Sub-Basin, Chhattisgarh</b><br>SHIVANGI MANIKPURI and M.P. TRIPATHI               | 111 |
| <b>Characterization and classification of soils of the Ganjigatti sub-watershed in Dharwad district of Karnataka</b><br>M. BHARGAVA NARASIMHA YADAV and P.L. PATIL  | 120 |
| <b>Characterization and suitability evaluation of rice growing soils for sustainable land use planning using geographic information system (GIS)</b><br>M. MADHAN MOHAN, NAIDU M.V.S. and G. PRABHAKARA REDDY | 131 |
| <b>Revised capacity assessment of Ravishankar Sagar reservoir using remote sensing and GIS, Chhattisgarh, India</b><br>GUNJA DHRUW, NARENDRA AGRAWAL and BHUPENDRA DHANKAR                                    | 143 |
| <b>Impact of an industry dominated <i>Shivalik</i> watershed on farm economy, livelihoods, groundwater depletion and possible remediation measures</b><br>S.S. GREWAL   | 153 |
| <b>Simulation of overland flow and associated sediment loads under low slope sodic soil conditions</b><br>RAVI KANT PANDEY, D.M. DENIS, CHHEDI LAL VERMA and SANJAY ARORA                                     | 165 |
| <b>Spring cum rain water harvesting and water budgeting of farm tank for growing vegetables crops in terrace land</b><br>JITENDRA KUMAR, SURESH CHANDRA PANDEY and SHYAM NATH                                 | 173 |
| <b>Effect of drip irrigation and NK fertigation on strawberry under controlled environment agriculture</b><br>RICHAS JASWAL, SANJEEV K. SANDAL, PRABHAKAR NANDA and RATNESH KUMARI                            | 180 |
| <b>Maximizing pineapple (<i>Ananas comosus</i>) growth and yield: Effects of irrigation levels and NPK fertigation</b><br>P.C. PRADHAN, A. DALAI and R.P. SHARMA  | 190 |
| <b>Synergistic effects of biochar-coated urea and enriched biochar on nitrogen management in sweet corn</b><br>SHOBHANA SINGH, SUMIT CHATURVEDI, SUPRIYA and V. C. DHYANI                                     | 200 |

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.

**Productivity and profitability of wet season rice (*Oryza sativa* L.) as affected by varying levels of potassium humate foliar application in the Eastern coastal plain of Odisha** 207  
MEGHA KUMARI, HEMANTA KUMAR SAHOO, SANAT KUMAR DWIBEDI, TEEKAM SINGH and TWINKLE JENA

*Short Communication*

**Assessing soil testing awareness and practices among farmers in Sitapur: Implications for sustainable agriculture** 212  
SHAILENDRA KUMAR SINGH, SACHIN PRATAP TOMAR, REEMA DEVI, DAYA SHANKAR SRIVASTAVAT, ANAND SINGH and SANJAY ARORA