

# INDIAN JOURNAL OF SUGARCANE TECHNOLOGY

ISSN 0970-3233

Issue: Volume 28 No.2 December 2013

## CONTENTS

Growth and phasic development of sugarcane genotypes under waterlogged and normal condition in subtropical India .....	41
<i>Navnit Kumar, H Singh, Rinki Kumari and V P Singh</i>	
Effect of integrated nutrient management on yield and quality of sugarcane ( <i>Saccharum</i> spp. hybrid complex) in Odisha .....	47
<i>M Mohanty, S Biswal and P J Mishra</i>	
<i>In vitro</i> micropropagation of sugarcane: optimization of responses through hormonal manipulation .....	50
<i>Shweta Tripathi, Arun Kumar and M Lal</i>	
Existence of whip smut of sugar cane ( <i>Ustilago scitaminea</i> Syd ) as nine different races in Nigeria .....	53
<i>A C Wada and A B Anaso</i>	
Effect of sodium chloride and sodium sulphate on growth, water relations and solute adjustment in two sugarcane varieties .....	61
<i>Rama Kant Rai, Pushpa Singh and S Solomon</i>	
Studies on integration and expression of transgene (cry1Ac) in first clonal generation of Sugarcane ( <i>Saccharum officinarum</i> L.) .....	73
<i>Palvi Malik, Chhaya Sharma, Prabhjot Singh, Yadwinder Singh, Manjeet Chopra and Ajinder Kaur</i>	
Perspective of Frontline Extension Delivery System for economical emancipation of sugarcane farming in tribal area of South Eastern Gujarat. ....	78
<i>R S Dohare , R Thakor and Rajesh Kumar</i>	
Influence of varieties, cane quality and post harvest losses on sugar recovery under different sugar industries of central U.P. ....	82
<i>B L Sharma and Manmohan Singh</i>	
Performance of some early maturing sugarcane genotypes under different nitrogen levels in central plain zone of Punjab .....	87
<i>Jayesh Singh and S K Uppal</i>	
Effect of integrated nutrition on nitrogen use efficiency, productivity and quality of mid-late maturing sugarcane ( <i>Saccharum</i> spp. Hybrid complex) genotypes under sub tropical Indian conditions .....	91
<i>A K Singh, R L Yadav, A D Pathak and Archana Suman</i>	
Management of weeds for sustainable sugarcane production in sub tropical India .....	95
<i>Jayesh Singh and Rajender Kumar</i>	
<b>Short Communication</b>	
Genotype x Environment Interaction in Sugarbeet under sub-tropical conditions .....	100
<i>Rajesh Kumar, A D Pathak and P K Bajpai</i>	