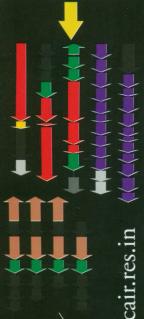
CSIR-NISCAIR



GCGATGGGCCCTCCTTACTCATCTAC
TACGGGTGAGTAACGCGTGGGAACA
AATTAATACCGCATACGCCCTACGGG
TGGATTCGCTAGTTGGTGGGACTC
GRGGGGAATATTGGACAATGGGACTC
GRCCTTAGGGTTGAAAGCTCTTTCA
GCCCCGGCTAACTTCGTGCCAGCAG
AATTACTGGGCGTAAACGCGCACGT/
GCTCAACTGCGGAACTGCCTTTGATA
ATTCCGAGTGTAGAGGTGAAATTCGT

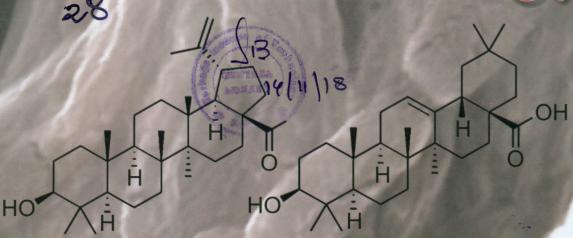


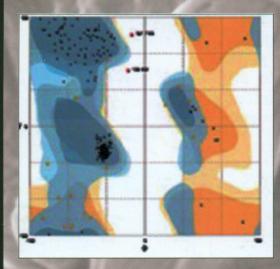


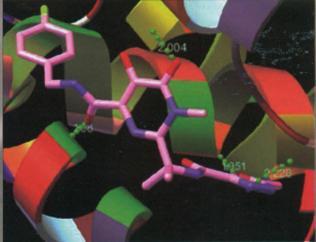
JULY 2018

CODEN: IJBNAR 17 (3) 391-544 (2018) ISSN: 0972-5849 (print); 0975-0967 (online) ijbt@niscair.res.in

Indian Journal of Biotechnology









CSIR-National Institute of Science Communication And Information Resources
New Delhi, INDIA

480

Indian Journal of Biotechnology

http://www.niscair.res.in				
VOLUME 17 CODEN: IJBNAR 17(3) (2018) 391-544	NUMBER 3	ISSN: 0972-5849 (pri	July 2018 ISSN: 0972-5849 (print) 0975-0967 (online)	
	CONTENTS			
Review				
Value addition to soybean whey through mic Anshu Singh & Rintu Banerjee	robial and enzymatic interventi	on 3	397	
Papers				
In vitro competence of vitrified bovine oocyt D J Dutta, B C Sarmah, Hiramoni Dev		4	402	
β-galactosidase from <i>Lactobacillus delbrueci</i> characterization and formation of galact Eman Zakaria Gomaa		ptimization, 4	407	
Application of mobilization gene promoter for Sudhamani M, Batish V K & Heller K J		curing of plasmid pSMA23	416	
Molecular cloning and characterization of cD (H+)-ATPase in <i>Annona cherimola</i> and Manuela Gouveia, Mónica Rodrigues, I	their expression during posthar	rvest ripening	422	
Cloning, sequencing and <i>in silico</i> analysis of Gopal Singh, Vinod Kumar, Ashutosh o			431	
Application of statistical tool for optimization solid state fermentation Modhuleena Mandal & Uma Ghosh	n of physical parameters for cel	lulase production under	441	
Production and eco friendly application of all Shiwani Guleria, Abhishek Walia, Anja		myloliquifaciens Sp1 4	148	
Genetic improvement in tomato (Solanum lyo Sohail Ahmad Jan, Ghulam Muhammad			45 9	
Bacillus safensis from wheat rhizosphere pro U Chakraborty, B N Chakraborty, P L I		salinity stress in wheat	466	

Development of ISSR derived SCAR marker for economically important Benstonea thwaitesii (Martelli)

Callm. and Buerki

Vrushali Borse, Rahul Zanan & Altafhusain Nadaf

DNA fingerprinting of peach (<i>Prunus persica</i>) germplasm in accessing genetic variation using arbitrary oligonucleotide markers system Parul Sharma & Rajnish Sharma	484
Assessment of genetic fidelity of long-term micropropagated shoot cultures of Achras sapota L. var. 'Cricket Ball' as assessed by RAPD and ISSR markers M Chittora	492
Molecular characterization of parental lines and hybrids of maize cultivated in North-Western Himalayan region using microsatellite markers Anita Singh & J K Sharma	496
Efficient <i>in vitro</i> multiple shoots regeneration system from rice shoot apex in recalcitrant Malaysian Indica rice cultivars (<i>Oryza sativa</i> L.) Teh Chui Yao, Maziah Mahmood, Noor Azmi Shaharuddin & Ho Chai Ling	504
Molecular phylogenetic affiliation of <i>Wolbachia</i> and Phage WO in storage pests from India Ravikumar Hemagiri Gowda, Atef Sayed Abdel-Razek, Prakash Bandekogenahalli Marappa, Sampath kumar Shankaranarayana, Huchesh Chanabasappa Hoolageri and Puttaraju Hosagavi Puttegowda	514
Comparative study on sequence characteristics of mature and precursor miRNAs of monocot and dicot plants Chittabrata Mal & Sudip Kundu	520
Usefulness of three DNA-PCR techniques to differentiate Jalapeño pepper varieties Ernestina Valadez Moctezuma, Abimael López-López & Claudia Verónica De Teodoro Pardo	527
Isolation and amplification of genomic DNA from nutmeg mace V P Swetha, V A Parvathy, T E Sheeja & B Sasikumar	533
Short Communication	
Identification of allele specific primers in chir pine (<i>Pinus roxburghii</i> Sarg.) through data mining Swati Allen, H.S. Ginwal & Santan Barthwal	538
Instructions to Contributors (book) and the labouted and	541

Buttles safensis from wheat divespoots promotes growth and and inclinative same