2018

xylitol production by *Candida tropicalis* MTCC 6192. Bioresource Technology. 251, 416-419.


- Sharma A, Mandal T, and Goswami S* (2018) Cellulose nanofibers from rice straw, Process development for improved delignification and better crystallinity index. Trends In Carbohydrate Research. 9, 4


Saravanamurugan S, Tosi I, Rasmussen K. H, Jensen R. E, Taarning E, Meier S*
Riisager A* (2017) Facile and benign conversion of sucrose to fructose using zeolites

Pd-Catalyzed in situ domino process for mild and quantitative production of 2,5-
dimethylfuran directly from carbohydrates. Green Chemistry 19, 2101-2106.

enzymes and Chemo-catalysts: Status and current advances. ACS Catalysis 7, 3010-3029.

synthesis of dithioacetals from bio-aldehydes with zeolites under ambient and solvent-
free conditions. ChemCatChem 9, 1097-1104.

Agarwal, B., Kailasam, K., Sangwan, R. S., & Elumalai, S. (2017). Traversing the
history of solid catalysts for heterogeneous synthesis of 5-hydroxymethylfurfural from
carbohydrate sugars: a review. Renewable and Sustainable Energy Reviews.

Singh U, Dwivedi P, Sangwan RS, Mishra BB* (2017) In situ Rose oxide Enrichment
led Valorization of Citronella (Cymbopogon winterianus) Essential oil. Industrial Crops
and Products. 97, 567-573.

Purohit A, Rai SK, Chownk M, Sangwan RS, Yadav SK* (2017) Xylanase from
Acinetobacter pitti MASK 25 (MTCC 25132) and developed magnetic-xylanase CLEA
produce predominantly xylopentose and xylohexose from agro biomass. Bioresource
Technology. 244,793-799.

Manish and Yadav SK* (2017) Technological advances and applications of hydrolytic
enzymes for valorization of lignocellulosic biomass. Bioresource Technology. 8524,
30720-30724.

Optimization of physical and morphological regime for improved cellulase free
xylanase production by fed batch fermentation using Aspergillus niger (KP874102. 1)
and its application in bio-bleaching." Bioengineered 8, no. 2, 137-146.

pseudo-stem extract into a functional juice containing value-added biomolecules of

analysis of rose-scented geranium provides insights into the metabolic specificity of
terpene and tartaric acid biosynthesis. BMC Genomics. 18, 74.

expression and structure-function relationship of low-temperature and alkaline active


- Kumar V, Yadav SK* (2017) Pyramidiong of tea dihydroflavonol reductase and anthocyanidin reductase increases flavan-3-ols and improves protective ability under stress conditions in tobacco. 3 Biotech. 7,177.


2016


• Pathak AK, Singh SP, Gupta Y, Gurjar AK, Mantri SS, Tuli R* (2016) Transcriptional changes during ovule development in two genotypes of litchi (Litchi chinensis Sonn.) with contrast in seed size. Scientific Reports 8, 36304.


**Review Article:**

• VK Tiwari, BB Mishra, KB Mishra, N Mishra, AS Singh, X Chen, (2016) Cu-catalyzed click reaction in carbohydrate chemistry, Chemical reviews 116, 3086-3240

**2015**
