

# Sumitha Banu Jamaldheen

## List of Publications by Year in descending order

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7  
papers

107  
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1478505

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#	ARTICLE	IF	CITATIONS
1	Enzymatic hydrolysis of hemicellulose from pretreated Finger millet ( <i>Eleusine coracana</i> ) straw by recombinant endo-1,4- $\beta$ -xylanase and exo-1,4- $\beta$ -xylosidase. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1098-1106.	7.5	29
2	Development of bi-functional chimeric enzyme (CtGH1-L1-CtGH5-F194A) from endoglucanase (CtGH5) mutant F194A and $\beta$ -1,4-glucosidase (CtGH1) from <i>Clostridium thermocellum</i> with enhanced activity and structural integrity. <i>Bioresource Technology</i> , 2019, 282, 494-501.	9.6	25
3	Comparative analysis of pretreatment methods on sorghum ( <i>Sorghum durra</i> ) stalk agrowaste for holocellulose content. <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 457-464.	1.9	24
4	Molecular Characterization, Regioselective and Synergistic Action of First Recombinant Type III $\beta$ -L-arabinofuranosidase of Family 43 Glycoside Hydrolase (PsGH43_12) from <i>Pseudopedobacter saltans</i> . <i>Molecular Biotechnology</i> , 2020, 62, 443-455.	2.4	11
5	Assessment of combination of pretreatment of <i>Sorghum durra</i> stalk and production of chimeric enzyme ( $\beta$ -glucosidase and endo $\beta$ -1,4 glucanase, <i>Ct</i> GH1-L1- <i>Ct</i> GH5-F194A) and cellobiohydrolase ( <i>Ct</i> CBH5A) for saccharification to produce bioethanol. <i>Preparative Biochemistry and Biotechnology</i> , 2020, 50, 883-896.	1.9	6
6	Statistically designed cellulase mixture for saccharification of pretreated <i>Sorghum durra</i> stalk. <i>Industrial Crops and Products</i> , 2020, 154, 112678.	5.2	6
7	Fermentation and pyrolysis of Finger millet straw: Significance of hydrolysate composition for ethanol production and characterization of bio-oil. <i>Bioresource Technology Reports</i> , 2021, 13, 100630.	2.7	6