

Sumitha Banu Jamaldheen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Molecular Characterization, Regioselective and Synergistic Action of First Recombinant Type III β -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
3	Assessment of combination of pretreatment of <i>Sorghum durra</i> stalk and production of chimeric enzyme (β -glucosidase and endo β -1,4 glucanase, CtGH1-L1-CtGH5-F194A) and cellobiohydrolase (CtCBH5A) for saccharification to produce bioethanol. <i>Preparative Biochemistry and Biotechnology</i> , 2020, 50, 883-896.	1.9	6
4	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
5	Enzymatic hydrolysis of hemicellulose from pretreated Finger millet (<i>Eleusine coracana</i>) straw by recombinant endo- β -1,4-xylanase and exo- β -1,4-xylosidase. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1098-1106.	7.5	29
6	Development of bi-functional chimeric enzyme (CtGH1-L1-CtGH5-F194A) from endoglucanase (CtGH5) mutant F194A and β -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
7	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