

Table 6. concentration of ethanol obtained of the present and previous research

substrate	Co-culture	Time h	ethanol g/L	Ref.
Banana peel 100 g/L	mutant strain of <i>Saccharomyces cerevisiae</i>	120	9.0	[16]
corn flour 160 g/L	<i>Aspergillus niger</i> and <i>Saccharomyces cerevisiae</i>	50	63.4	[17]
steam-pretreated spruce 50 g/L	<i>Trichoderma reesei</i> and <i>Trichoderma atroviride</i>	96	18	[18]
Microcrystalline cellulose 100 g/L	Recombinant <i>Klebsiella oxytoca</i> P2 and <i>Saccharomyces pastorianus</i>	216	41.5	[19]
dried grass 10 g/L	Intergeneric fusant <i>Trichoderma reesei</i> QM 9414 and <i>Saccharomyces cerevisiae</i> NCIM 3288	30	0.6	[20]
pineapple peel 80g/L	<i>Trichoderma reesei</i> RT-P1 and <i>Saccharomyces cerevisiae</i> RT-P2	120	42.1	This studied

Nomenclatures

T-P	<i>T. reesei</i> RT-P1 from PDA slant
Y-P	<i>S. cerevisiae</i> RT-P2 from YMA slant
TY-P	co-culture of T-P and Y-P from PDA petri dish
TY-FS	fresh starter co-culture of TY-P
TY-DP	dried powder starter co-culture
LM-pH5	liquid medium at pH 5
S-SF	solid state fermentation
Sm-SF	submerge state fermentation
Ref.	reference
h	hour
g/L	gram per liter

5. REFERENCES

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