

Appendix A. Supplementary data

Table 1: ANOVA results of the developed model for xylanase production.

Table 2: ANOVA results of the developed model for lichenase production.

Table 1: ANOVA results of the for developed model for xylanase production

Source	Squares	df	Square	Value	Prob> F	
Model	8224.355	9	913.817	34.312	< 0.0001	significant
A-BSG	138.613	1	138.613	5.205	0.0457	
B-CSL	199.365	1	199.365	7.486	0.0210	
C-Time	4698.010	1	4698.010	176.399	< 0.0001	
AB	91.193	1	91.193	3.424	0.0940	
AC	881.370	1	881.370	33.093	0.0002	
BC	26.390	1	26.390	0.991	0.3430	
A ²	1631.015	1	1631.015	61.241	< 0.0001	
B ²	0.659	1	0.659	0.025	0.8781	
C ²	701.953	1	701.953	26.357	0.0004	
Residual	266.329	10	26.633			
Lack of Fit	200.467	5	40.093	3.044	0.1236	not significant
Pure Error	65.861	5	13.172			
Cor Total	8490.683	19				
R ²	0.97					
Adj R ²	0.94					
Pred R ²	0.81					
Adeq	17.36					

Table 2: ANOVA results of the for developed model for lichenase production

Source	Squares	df	Square	Value	Prob> F	
Model	337.287	9	37.476	37.364	< 0.0001	significant
A-BSG	4.345	1	4.345	4.332	0.0640	
B-CSL	55.307	1	55.307	55.141	< 0.0001	
C-Time	213.657	1	213.657	213.019	< 0.0001	
AB	2.868	1	2.868	2.859	0.1217	
AC	0.702	1	0.702	0.700	0.4223	
BC	5.429	1	5.429	5.412	0.0423	
A ²	4.969	1	4.969	4.955	0.0502	
B ²	35.607	1	35.607	35.501	0.0001	
C ²	22.906	1	22.906	22.838	0.0007	
Residual	10.030	10	1.003			
Lack of Fit	7.781	5	1.556	3.460	0.0996	not significant
Pure Error	2.249	5	0.450			
Cor Total	347.317	19				
R ²	0.97					
Adj R ²	0.95					
Pred R ²	0.81					
Adeq Precision	19.15					