

# ***Beauveria bassiana* xylanase: characterization and wastepaper deinking potential of a novel xylanolytic enzyme from an endophytic fungal entomopathogen**

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**Table S1:** ANOVA of quadratic models for xylanase-assisted printed paper deinking

Source	Sum of Squares	df	Mean Square	F-value	p-value
<b>Model</b>	4823.68	9	535.96	123.02	< 0.0001
A-Incubation temperature	32.16	1	32.16	7.38	0.0419
B-Time	381.43	1	381.43	87.55	0.0002
C-Enzyme load	1299.99	1	1299.99	298.39	< 0.0001
AB	0.1376	1	0.1376	0.0316	0.8659
AC	121.99	1	121.99	28.00	0.0032
BC	144.69	1	144.69	33.21	0.0022
A <sup>2</sup>	285.84	1	285.84	65.61	0.0005
B <sup>2</sup>	129.81	1	129.81	29.80	0.0028
C <sup>2</sup>	1.86	1	1.86	0.4258	0.5429
<b>Residual</b>	21.78	5	4.36		
Lack of Fit	0.2758	1	0.2758	0.0513	0.8319

$R^2 = 0.9955$ , Adjusted  $R^2 = 0.9874$ , Predicted  $R^2 = 0.9872$ , Adequate precision AP= 42.089. df; degree of freedom. \*Significant p- values at  $P \leq 0.1$