



Supplementary Materials

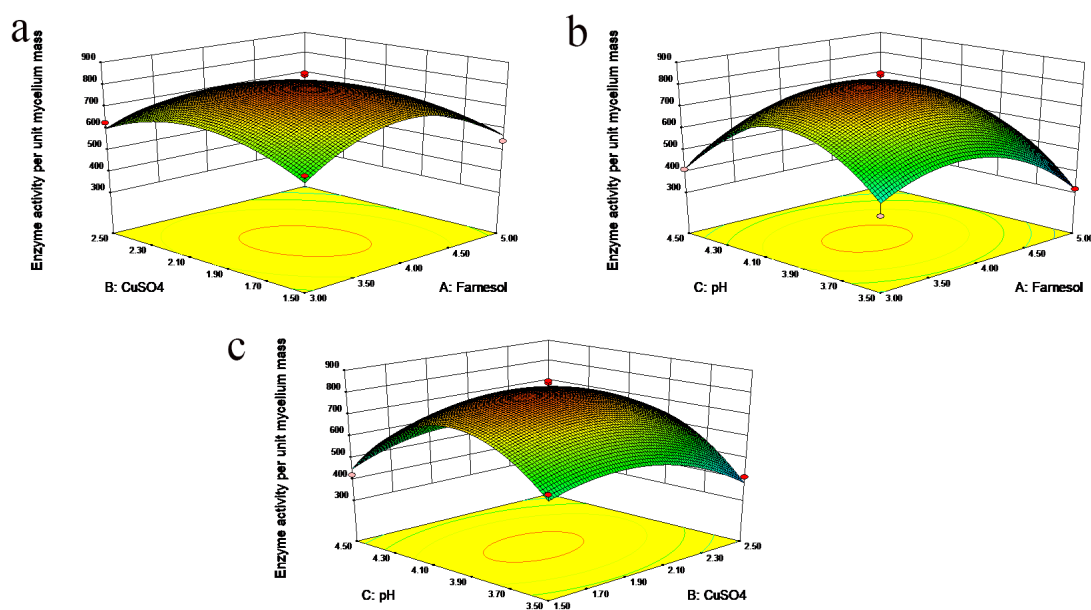


Figure S1. Response surface curves and contour plots of *Trametes versicolor* ATCC20869 under various conditions. (a) Response surface curves and contour plots of farnesol addition and copper sulfate addition; (b) Response surface curves and contour plots of farnesol addition and pH; (c) Response surface curves and contour plots of copper sulfate addition and pH.

Table S1. ANOVA for Response Surface Quadratic Model of *Trametes versicolor* ATCC20869.

Source	Sum of Squares	df	Mean Square	F Value	p-Value	
Model	5.510×10 ⁵	9	61216.84	29.17	< 0.0001	significant
A-Farnesol	23672.41	1	23672.41	11.28	0.0121	
B-CuSO ₄	12101.53	1	12101.53	5.77	0.0474	
C-pH	330.61	1	330.61	0.16	0.7033	
AB	11115.03	1	11115.03	5.30	0.0549	
AC	4097.13	1	4097.13	1.95	0.2051	
BC	4790.03	1	4790.03	2.28	0.1746	
A ²	1.236×10 ⁵	1	1.236×10 ⁵	58.88	0.0001	
B ²	56083.00	1	56083.00	26.72	0.0013	
C ²	2.691×10 ⁵	1	2.691×10 ⁵	128.22	< 0.0001	
Residual	14692.61	7	2098.94			
Lack of Fit	11879.33	3	3959.78	5.63	0.0642	not significant
Pure Error	2813.28	4	703.32			

Notes: R-Squared = 0.9740, Adj R-Squared = 0.9406.