

Supplementary Materials: Drying Behavior and Kinetics of Drying Process of Plant-Based Enteric Hard Capsules

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Table S1. Results of statistical analysis of the mathematical models at different drying temperature.

RH %	T °C	Model																																																						
		Lewis			Page			Henderson and Pabis			Logarithmic			Wang and singh																																										
		parameters	R ²	χ ²	parameters	R ²	χ ²	parameters	R ²	χ ²	parameters	R ²	χ ²	parameters	R ²	χ ²																																								
60	25	k=0.023 0	0.9688	0.0036	k=0.005 0 n=1.387 6	0.9940	6.9495 ×10 ⁻⁴	a=1.065 0 k=0.024 4	0.9716	0.0033	a=1.241 3 k=0.015 9 c=- 0.2199 a=1.178 2 k=0.018 9 c=- 0.1573 a=1.132 4 k=0.024 8 c=- 0.0939 a=1.116 2 k=0.027 7 c=- 0.0796 a=1.060 1 k=0.043 0 c=- 0.0302	0.9932	7.9250 ×10 ⁻⁴	a=- 0.0166 b=6.915 6 ×10 ⁻⁵ a=- 0.0181 b=8.219 8 ×10 ⁻⁵ a=- 0.0206 b=1.049 8 ×10 ⁻⁵ a=- 0.0219 b=1.163 6 ×10 ⁻⁵ a=- 0.0260 b=1.547 4 ×10 ⁻⁴	0.9985	1.6949 ×10 ⁻⁴																																								
																	30	k=0.025 3	0.9748	0.0029	k=0.006 7 n=1.342 8	0.9947	6.0882 ×10 ⁻⁴	a=1.057 2 k=0.026 6	0.9767	0.0027	0.9935	7.4369 ×10 ⁻⁴	0.9994	7.3465 ×10 ⁻⁵																										
																															35	k=0.029 5	0.9756	0.0028	k=0.006 9 n=1.390 8	0.9977	2.7376 ×10 ⁻⁴	a=1.063 7 k=0.031 1	0.9781	0.0026	0.9887	0.0013	3.7511 ×10 ⁻⁴													
																																												40	k=0.032 2	0.9760	0.0028	k=0.007 8 n=1.388 4	0.9963	4.3090 ×10 ⁻⁴	a=1.058 5 k=0.033 8	0.9776	0.0026	0.9874	0.0015	5.4817 ×10 ⁻⁴

Table S2. Results of statistical analysis of the mathematical models at different relative humidity.

T °C	RH %	Model														
		Lewis			Page			Henderson and Pabis			Logarithmic			Wang and Singh		
		paramete rs	R ²	χ ²	paramete rs	R ²	χ ²	paramete rs	R ²	χ ²	paramete rs	R ²	χ ²	paramete rs	R ²	χ ²
40		k=0.038 3	0.97540	0.0028	k=0.008 6 n=1.428 9	0.9957	4.8913 ×10 ⁻⁴	a=1.054 5 k=0.040 0	0.97640	0.0027	a=1.092 1 k=0.035 0 c=- 0.0514	0.9820	0.0020	a=- 0.0243 b=1.388 9 ×10 ⁻⁴	0.9787	0.0024
					k=0.006 7 n=1.437 7			a=1.066 2 k=0.034 5			a=1.121 3 k=0.028 6 c=- 0.0757			a=- 0.0222 b=1.189 5 ×10 ⁻⁴		
35	60	k=0.029 5	0.97560	0.0028	k=0.006 9 n=1.390 8	0.9977	2.7376 ×10 ⁻⁴	a=1.063 7 k=0.031 1	0.97810	0.0026	a=1.132 4 k=0.024 8 c=- 0.0939	0.9887	0.0013	a=- 0.0206 b=1.049 8 ×10 ⁻⁴	0.9968	3.7511× 10 ⁻⁴
					k=0.002 3 n=1.540 8			a=1.095 7 k=0.022 4			a=1.409 0 k=0.012 2 c=- 0.3684			a=- 0.0146 b=5.068 5 ×10 ⁻⁴		
80		k=0.015 9	0.93400	0.0077	k=0.001 1 n=1.637 2	0.9952	5.5207 ×10 ⁻⁴	a=1.110 8 k=0.017 8	0.94740	0.0061	a=2.228 0 k=0.005 3 c=- 1.1918	0.9959	4.7206 ×10 ⁻⁴	a=- 0.0105 b=1.683 3 ×10 ⁻⁴	0.9948	5.9872× 10 ⁻⁴