

Supplementary Material: *Phoenix dactylifera* L. Seed Pretreatment for Oil Extraction and Optimization Studies for Biodiesel Production Using Ce-Zr/Al-MCM-41 Catalyst

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Table S1. Sequential model sum of squares for *Phoenix dactylifera* seed oil FAME.

Source.	Sum of Squares	Df	Mean Square	F-Value	p-Value	
Mean vs Total	1.904×10^5	1	1.904×10^5			
Linear vs Mean	462.66	4	115.67	9.62	<0.0001	
2FI vs Linear	198.62	6	33.10	6.16	0.0010	
Quadratic vs 2FI	89.18	4	22.29	25.85	<0.0001	Suggested
Cubic vs Quadratic	3.96	8	0.4948	0.3859	0.8971	Aliased
Residual	8.98	7	1.28			
Total	1.912×10^5	30	6372.06			