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## List of Abbreviations

ASTM	American Society for Testing and Materials
DSC	Differential Scanning Calorimetry
EDX	Energy-dispersive X-ray spectroscopy
FAME	Fatty Acid Methyl Ester
FT-IR Spectrometer	Fourier Transform Infrared
JCPDS	Joint Committee on Powder Diffraction Standards
NMR	Nuclear Magnetic Resonance Spectroscopy
SEM	Scanning Electron Microscope
E-CaO	Waste shell catalyst calcined at 800 °C (parent catalyst)
ESr-1	1 % Sr doped E-CaO
ESr-2	2% Sr doped E-CaO
ESr-3	3% Sr doped E-CaO
TGA	Thermogravimetric Analysis
WCO	Waste Cooking Oil
XRD	X-ray Diffraction