**Production of Biodiesel from *Croton gratissimus* Oil using Sulphated Zirconia and KOH as Catalysts**

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**Supplemental Materials**

 2700

 2400

 2100

 1800

 1500

 1200

 900

 600

 300

 0

Lin (Counts)

 **M**

 **M**

 **T**

 **M**

 **T**

 **T**

 **T**

 **M**

 **M**

 **M**

 **T**

 **M**

 **M**

 **T**

 **T**

 **M**

**Fig. S1:** X-ray diffraction profiles of the SO42–/ZrO2 catalyst calcined at 620 0C. **M** – Monoclinic Phase – **Powder Blue;** Orthorhombic Phase – **Light Green**; **T** – Tetragonal Phase – **Red**  (No match to the reference pattern)



**Fig. S2:** SEM micrograph of SO42–/ZrO2 catalyst calcined at 6200C



**Fig. S3:** SEM – EDS Spectra for the Elemental Composition of the SO42–/ZrO2 catalyst



**Fig. S4:** TEM Micrographs of the Monoclinic SO42–/ZrO2 catalyst



**Fig. S5:** GC-MS Spectrum for *Croton gratissimus* FAME