

**SUDAN UNIVERSITY OF SCIENCE & TECHNOLOGY**  
**COLLEGE OF GRADUATE STUDIES**

**Design and Manufacture of a Bio-diesel  
Reactor**

تصميم وتصنيع معالج وقود حيوي

**A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE DEGREE OF M.SC IN**  
**MECHANICAL ENGINEERING (Production)**

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**June 2014**

# APPENDICES



Preparation of Methoxide



## Steering of raw materials



## Separation of biodiesel



Final product