

## **Valorization of Bambara groundnut shell via intermediate pyrolysis: Products distribution and characterization**

MOHAMMED, Isah Yakub, ABAKR, Yousif Abdalla, MUSA, Mukhtar, YUSUP, Suzana, SINGH, Ajit and KABIR, Feroz <<http://orcid.org/0000-0002-3121-9086>>

Available from Sheffield Hallam University Research Archive (SHURA) at:

<http://shura.shu.ac.uk/13402/>

---

This document is the author deposited version. You are advised to consult the publisher's version if you wish to cite from it.

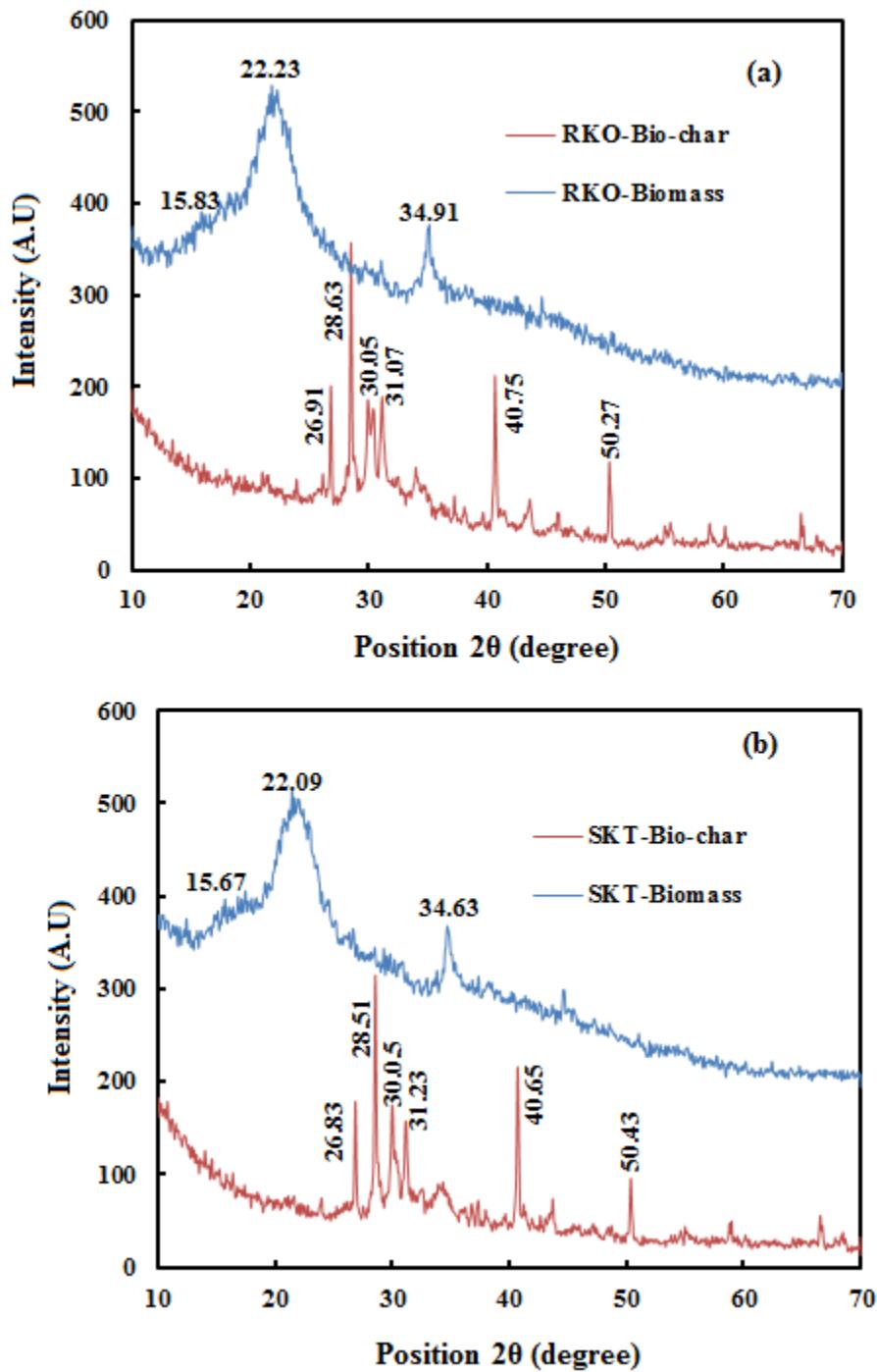
### **Published version**

MOHAMMED, Isah Yakub, ABAKR, Yousif Abdalla, MUSA, Mukhtar, YUSUP, Suzana, SINGH, Ajit and KABIR, Feroz (2016). Valorization of Bambara groundnut shell via intermediate pyrolysis: Products distribution and characterization. *Journal of Cleaner Production*, 139, 717-728.

---

### **Copyright and re-use policy**

See <http://shura.shu.ac.uk/information.html>



| Fig. 9. XRD pattern of feedstock and corresponding bio-char produced at 600 °C (a) RKO; (b)SKT