Electronic Supplementary Data

Catalytic conversion of microcrystalline cellulose to nanocellulose using iron oxide catalysts

Durga Devi Suppiah* & Mohd Rafie Johan
Nanotechnology & Catalysis Research Centre (NANOCAT),
Institute of Postgraduate Studies, University of Malaya, 50603 Kuala Lumpur
Email: durgadevi@um.edu.my

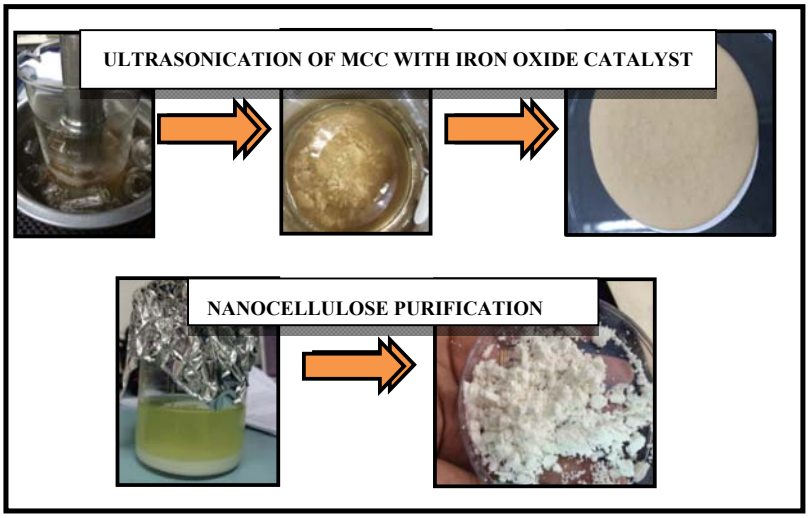

Fig. S1 — Illustration of MCC sonication with iron oxide catalyst to obtain purified nanocellulose.

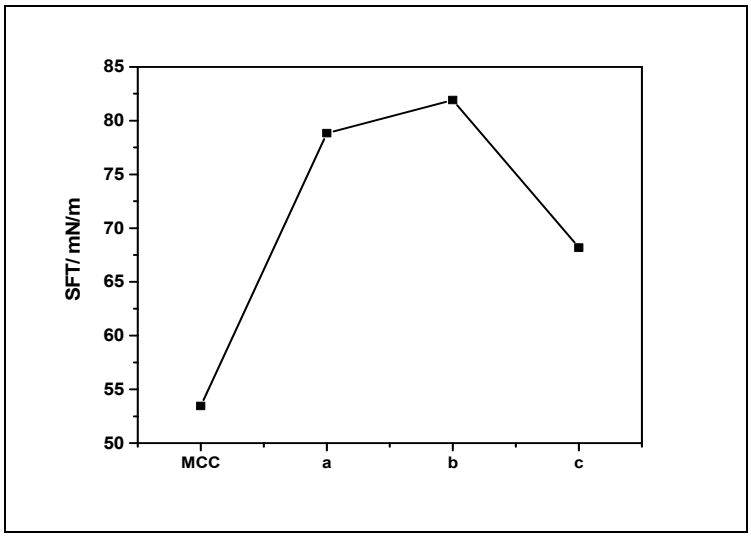

Fig. S2 — Interfacial Tension of MCC and Nanocellulose slurry obtained and catalysed by (a) maghemite (b) magnetite (c) hematite.

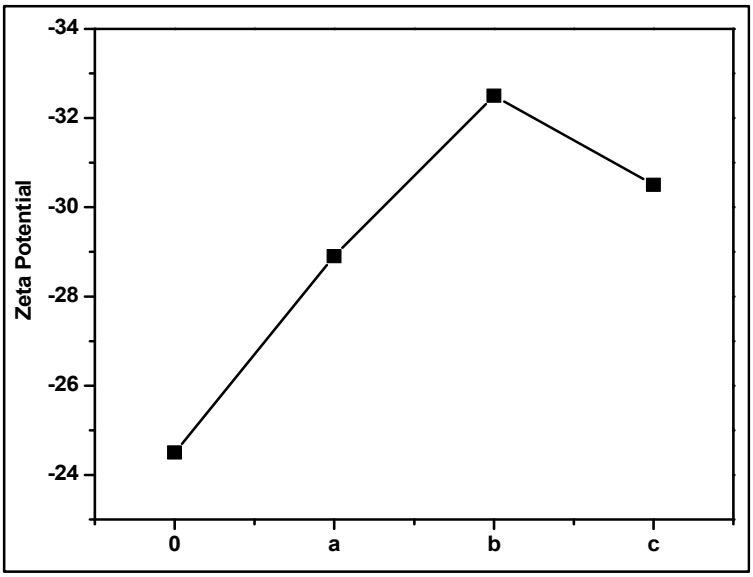

Fig. S3 — Zeta Potential values of Nanocellulose obtained using (a) magnetite (b) maghemite (c) hematite.