Accepted Manuscript

Ionic liquid based extraction of flavonoids from Elaeis guineensis leaves and their applications for gold nanoparticles synthesis

Muhammad Irfan, Muhammad Moniruzzaman, Tausif Ahmad, Pradip Chandra Mandal, Sekhar Bhattacharjee, Bawadi Abdullah

PII: S0167-7322(17)31316-8

DOI: doi: 10.1016/j.molliq.2017.05.151

Reference: MOLLIQ 7443

To appear in: Journal of Molecular Liquids

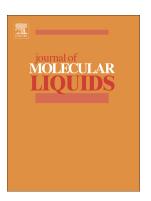
Received date: 27 March 2017

Revised date: ###REVISEDDATE###

Accepted date: 31 May 2017

Please cite this article as: Muhammad Irfan, Muhammad Moniruzzaman, Tausif Ahmad, Pradip Chandra Mandal, Sekhar Bhattacharjee, Bawadi Abdullah, Ionic liquid based extraction of flavonoids from Elaeis guineensis leaves and their applications for gold nanoparticles synthesis, *Journal of Molecular Liquids* (2017), doi: 10.1016/j.molliq.2017.05.151

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Ionic Liquid Based Extraction of Flavonoids from *Elaeis Guineensis* Leaves and Their Applications for Gold Nanoparticles Synthesis

Muhammad Irfan ^a , Muhammad Moniruzzaman ^{a, b*}, Tausif Ahmad ^a, Pradip Chandra Mandal ^a, Sekhar Bhattacharjee ^a, Bawadi Abdullah ^a,

^a Chemical Engineering Department, Universiti Teknologi PETRONAS, Bandar Seri Iskandar, 32610, Perak, Malaysia

^b Centre of Researches in Ionic liquids, Universiti Teknologi PETRONAS, Bandar Seri Iskandar, 32610, Perak, Malaysia

* To whom correspondence should be addressed

Dr. Muhammad Moniruzzaman

Office: +605 - 368 7572

Fax:

Email: m.moniruzzaman@utp.edu.my

Download English Version:

https://daneshyari.com/en/article/5408328

Download Persian Version:

https://daneshyari.com/article/5408328

<u>Daneshyari.com</u>