### Accepted Manuscript

Full Length Article

The evaluation of the photocatalytic activity of magnetic and non-magnetic polymorphs of  $\mathrm{Fe_2O_3}$  in natural sunlight exposure: A comparison of photocatalytic activity

M. Aslam, M. Tariq Qamar, Ateeq Ur Rehman, M. Tahir Soomro, Shahid Ali, I.M.I. Ismail, A. Hameed

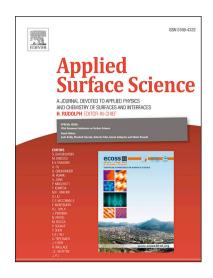
PII: S0169-4332(18)31192-9

DOI: https://doi.org/10.1016/j.apsusc.2018.04.219

Reference: APSUSC 39218

To appear in: Applied Surface Science

Received Date: 20 October 2017
Revised Date: 3 April 2018
Accepted Date: 24 April 2018



Please cite this article as: M. Aslam, M. Tariq Qamar, A. Ur Rehman, M. Tahir Soomro, S. Ali, I.M.I. Ismail, A. Hameed, The evaluation of the photocatalytic activity of magnetic and non-magnetic polymorphs of Fe<sub>2</sub>O<sub>3</sub> in natural sunlight exposure: A comparison of photocatalytic activity, *Applied Surface Science* (2018), doi: https://doi.org/10.1016/j.apsusc.2018.04.219

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**

# The evaluation of the photocatalytic activity of magnetic and non-magnetic polymorphs of $Fe_2O_3$ in natural sunlight exposure: a comparison of photocatalytic activity

M. Aslam<sup>1</sup>, M. Tariq Qamar<sup>2</sup>, Ateeq Ur Rehman<sup>3</sup>, M. Tahir Soomro<sup>1</sup>, Shahid Ali<sup>4</sup>, I.M.I. Ismail<sup>1,5</sup>, and A. Hameed<sup>1,6</sup>

<sup>1</sup>Center of Excellence in Environmental Studies, King Abdulaziz University, Jeddah 21589, Saudi Arabia

<sup>2</sup>Department of Chemistry, Forman Christian College (A Chartered University), Ferozepur Road, Lahore, 54600, Pakistan

<sup>3</sup>School of Chemical Engineering, The University of Queensland, St Lucia 4072, Queensland, Australia.

<sup>4</sup>Center of Excellence in Nanotechnology, King Fahd University of Petroleum and Minerals, Dhahran 31261, Saudi Arabia.

<sup>5</sup>Chemistry Department, Faculty of Science, King Abdulaziz University, Jeddah 21589, Saudi Arabia.

<sup>6</sup>National Center for Physics, Quaid-e-Azam University, Islamabad 44000, Pakistan.

## \*Corresponding Author:

#### Abdul Hameed, PhD

Associate Professor

Centre of Excellence in Environmental Studies (CEES)

King Abdulaziz University, Jeddah

Fax: 00966-12-6952674

ahfmuhammad@gmail.com, afmuhammad@kau.edu.sa

#### Download English Version:

## https://daneshyari.com/en/article/7833534

Download Persian Version:

https://daneshyari.com/article/7833534

Daneshyari.com