## Accepted Manuscript

Title: Synergistic persulfate activation as an efficient and cost-effective approach for removal of organic synthetic-dyes from aqueous solutions using magnetic Pd-Fe<sub>3</sub>O<sub>4</sub>-flyash composite particles as catalyst

Author: Manu Jose K. Sriram R. Reshma U.V. Vidya Satyajit

Shukla

PII: S2213-3437(16)30469-9

DOI: http://dx.doi.org/doi:10.1016/j.jece.2016.12.027

Reference: JECE 1386

To appear in:

Received date: 12-10-2016 Revised date: 4-12-2016 Accepted date: 18-12-2016

Please cite this article as: Manu Jose, K.Sriram, R.Reshma, U.V.Vidya, Satyajit Shukla, Synergistic persulfate activation as an efficient and cost-effective approach for removal of organic synthetic-dyes from aqueous solutions using magnetic Pd-Fe3O4-flyash composite particles as catalyst, Journal of Environmental Chemical Engineering http://dx.doi.org/10.1016/j.jece.2016.12.027

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

Synergistic persulfate activation as an efficient and cost-effective approach for removal of organic synthetic-dyes from aqueous solutions using magnetic Pd-Fe<sub>3</sub>O<sub>4</sub>-flyash composite particles as catalyst

Manu Jose<sup>a,b</sup>, K. Sriram<sup>a</sup>, R. Reshma<sup>a</sup>, U. V. Vidya<sup>a</sup>, Satyajit Shukla<sup>a,b,\*</sup>

<sup>a</sup>Functional Materials Section (FMS)

Materials Science and Technology Division (MSTD)

CSIR-National Institute for Interdisciplinary Science and Technology (NIIST)

Council of Scientific and Industrial Research (CSIR)

Industrial Estate P.O., Pappanamcode

Thiruvananthapuram – 695019, Kerala, India

\*Phone: +91-471-2515385; Fax: +91-471-2491712

\*E-Mail: satyajit\_shukla@niist.res.in

<sup>b</sup>Academy of Scientific and Innovative Research (AcSIR)

CSIR-NIIST Campus, Thiruvananthapuram – 695019, Kerala, India

\*Corresponding author

†Electronic supplementary material (ESM) available

## Download English Version:

## https://daneshyari.com/en/article/6663943

Download Persian Version:

https://daneshyari.com/article/6663943

<u>Daneshyari.com</u>