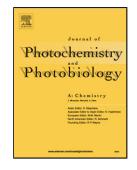
Accepted Manuscript

Title: Optimization of solar degradation efficiency of bio-composting leachate using Nd: ZnO nanoparticles

Authors: B. Shahmoradi, S. Yavari, Y. Zandsalimi, H.P. Shivaraju, M. Negahdari, A. Maleki, Gordon Mckay, Radheshyam R. Pawar, Seung-Mok Lee



PII: \$1010-6030(17)31135-8

DOI: https://doi.org/10.1016/j.jphotochem.2018.01.002

Reference: JPC 11090

To appear in: Journal of Photochemistry and Photobiology A: Chemistry

Received date: 2-8-2017 Revised date: 15-12-2017 Accepted date: 2-1-2018

Please cite this article as: B.Shahmoradi, S.Yavari, Y.Zandsalimi, H.P.Shivaraju, M.Negahdari, A.Maleki, Gordon Mckay, Radheshyam R.Pawar, Seung-Mok Lee, Optimization of solar degradation efficiency of bio-composting leachate using Nd: ZnO nanoparticles, Journal of Photochemistry and Photobiology A: Chemistry https://doi.org/10.1016/j.jphotochem.2018.01.002

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.

Optimization of solar degradation efficiency of bio-composting leachate using Nd:ZnO

nanoparticles

B. Shahmoradi^{1*}, S. Yavari¹, Y. Zandsalimi¹, H.P. Shivaraju², M. Negahdari³, A. Maleki¹,

Gordon Mckay⁴, Radheshyam R. Pawar⁵, Seung-Mok Lee^{5*}

¹Kurdistan Environmental Health Research Center, Kurdistan University of Medical Science,

Sanandaj, Iran

²Department of Life Science, School of Life Science, J.S.S. University, Shivarathreshwara

Nagara, Mysore, 570015, India

³Physics Group, District II Department of Education, Sanandaj, Kurdistan, Iran

⁴Division of Sustainability, College of Science and Engineering, Hamad Bin Khalifa

University, Education City, Qatar Foundation, Doha, Qatar

⁵Department of Environmental Engineering, Catholic Kwandong University, Gangneung-

210701, South Korea

*Corresponding author: bshahmorady@gmail.com,

Tel No: +98-87-31827426; Fax: +98-33625131; Mobile: +98-918-770-5355

E-Mail: leesm@cku.ac.kr; Tel No: +82-33-649-7535; Fax No: +82-33-642-7635

Graphical abstract

1

Download English Version:

https://daneshyari.com/en/article/6492649

Download Persian Version:

https://daneshyari.com/article/6492649

<u>Daneshyari.com</u>