

# Accepted Manuscript

Application and stability of cathodes with manganese dioxide nanoflowers supported on Vulcan by Fenton systems for the degradation of RB5 azo dye

L.R. Aveiro, A.G.M. Silva, E.G. Candido, V.S. Antonin, L.S. Parreira, R. Papai, I. Gaubeur, Fernando L. Silva, M.R.V. Lanza, P.H.C. Camargo, M.C. Santos



PII: S0045-6535(18)30952-4

DOI: [10.1016/j.chemosphere.2018.05.107](https://doi.org/10.1016/j.chemosphere.2018.05.107)

Reference: CHEM 21439

To appear in: *ECSN*

Received Date: 22 February 2018

Revised Date: 16 May 2018

Accepted Date: 17 May 2018

Please cite this article as: Aveiro, L.R., Silva, A.G.M., Candido, E.G., Antonin, V.S., Parreira, L.S., Papai, R., Gaubeur, I., Silva, F.L., Lanza, M.R.V., Camargo, P.H.C., Santos, M.C., Application and stability of cathodes with manganese dioxide nanoflowers supported on Vulcan by Fenton systems for the degradation of RB5 azo dye, *Chemosphere* (2018), doi: 10.1016/j.chemosphere.2018.05.107.

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.

# Application and Stability of Cathodes with Manganese Dioxide Nanoflowers Supported on Vulcan by Fenton Systems for the Degradation of RB5 Azo Dye

L. R. Aveiro<sup>1</sup>, A. G. M. Silva<sup>2</sup>, E. G. Candido<sup>2</sup>, V. S. Antonin<sup>1,4</sup>, L. S. Parreira<sup>2</sup>,  
R. Papai<sup>1</sup>, I. Gaubeur<sup>1</sup>, Fernando L. Silva<sup>3</sup>, M. R. V. Lanza<sup>3</sup>,  
P. H. C. Camargo<sup>2</sup>, M. C. Santos,<sup>1\*</sup>

<sup>1</sup>Federal University of ABC, UFABC, Centre of Natural and Human Sciences,  
Laboratory of Electrochemistry and Nanostructured Materials,  
St André, Brazil, CEP 09210-170

<sup>2</sup> University Sao Paulo, USP, Institute of Chemistry, São Paulo, Brazil, Av. Prof. Lineu Prestes, 748, CEP  
05508-000

<sup>3</sup> University Sao Paulo, USP, Institute of Chemistry of São Carlos, São Carlos, SP, CEP 13560-970, São  
Carlos, SP, Brazil.

<sup>4</sup> University Sao Paulo, USP, Institute of Chemistry of São Carlos, São Carlos, SP, CEP 13560-970, São  
Carlos, SP, Brazil.

\* Corresponding authors.

E-mail address: mauro.santos@ufabc.edu.br (M. C. Santos)

E-mail address: camargo@iq.usp.br (P. H. C. Camargo)

Download English Version:

<https://daneshyari.com/en/article/8850771>

Download Persian Version:

<https://daneshyari.com/article/8850771>

[Daneshyari.com](https://daneshyari.com)