

Accepted Manuscript

Title: Fenton degradation of sulfanilamide in the presence of Al,Fe-pillared clay: Catalytic behaviour and identification of the intermediates

Author: Sesegma Ts. Khankhasaeva Darima V. Dambueva
Elvira Ts. Dashinamzhilova Antonio Gil Miguel A. Vicente
Maria N. Timofeeva



PII: S0304-3894(15)00243-5
DOI: <http://dx.doi.org/doi:10.1016/j.jhazmat.2015.03.038>
Reference: HAZMAT 16686

To appear in: *Journal of Hazardous Materials*

Received date: 20-11-2014
Revised date: 17-2-2015
Accepted date: 12-3-2015

Please cite this article as: Sesegma Ts.Khankhasaeva, Darima V.Dambueva, Elvira Ts.Dashinamzhilova, Antonio Gil, Miguel A.Vicente, Maria N.Timofeeva, Fenton degradation of sulfanilamide in the presence of Al,Fe-pillared clay: Catalytic behaviour and identification of the intermediates, *Journal of Hazardous Materials* <http://dx.doi.org/10.1016/j.jhazmat.2015.03.038>

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.

**Fenton degradation of sulfanilamide in the presence of Al,Fe-pillared clay:
Catalytic behaviour and identification of the intermediates**

Sesegma Ts. Khankhasaeva^{1,2,*}, Darima V. Dambueva¹, Elvira Ts. Dashinamzhilova¹,
Antonio Gil^{3*}, Miguel A. Vicente⁴, Maria N. Timofeeva^{5,6,7*}

¹ *Baikal Institute of Nature Management SB RAS, Ulan-Ude, Str. Sakh'yanova 8, 670047, Ulan-Ude, Russian Federation*

² *Buryat State University, Ulan-Ude, Str. Smolina 24a, 670000, Ulan-Ude, Russian Federation*

³ *Department of Applied Chemistry, Public University of Navarra, 31006 Pamplona, Spain*

⁴ *Department of Inorganic Chemistry, University of Salamanca, Salamanca, Spain*

⁵ *Boreskov Institute of Catalysis SB RAS, Prospekt Akad. Lavrentieva 5, 630090, Novosibirsk, Russian Federation*

⁶ *Novosibirsk State University, st. Pirogova 2, 630090, Novosibirsk, Russian Federation*

⁷ *Novosibirsk State Technical University, Prospekt K. Marksa 20, 630092, Novosibirsk, Russian Federation*

Corresponding authors

S. Ts. Khankhasaeva

Tel: + 7-301-243-3068

Fax: + 7-301-243-4753

e-mail: shan@binm.bsnet.ru

Address: Baikal Institute of Nature Management SB RAS, Ulan-Ude, Str. Sakh'yanova 8, 670047, Ulan-Ude, Russian Federation

M.N. Timofeeva

Tel.: +7-383-330-7284

Fax: +7-383-330-8056

e-mail: timofeeva@catalysis.ru

Address: Boreskov Institute of Catalysis SB RAS, Prospekt Akad. Lavrentieva 5, 630090, Novosibirsk, Russian Federation

Download English Version:

<https://daneshyari.com/en/article/576070>

Download Persian Version:

<https://daneshyari.com/article/576070>

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