

## Accepted Manuscript

Transformation of organo-ferric peat colloids by a heterotrophic bacterium

Olga V. Oleinikova, Liudmila S. Shirokova, Emmanuele Gérard, Olga Yu. Drozdova, Sergey A. Lapitskiy, Andrey Yu. Bychkov, Oleg S. Pokrovsky

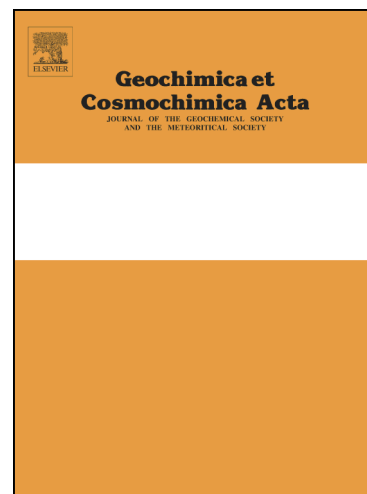
PII: S0016-7037(17)30134-5  
DOI: <http://dx.doi.org/10.1016/j.gca.2017.02.029>  
Reference: GCA 10176

To appear in: *Geochimica et Cosmochimica Acta*

Received Date: 18 October 2016  
Revised Date: 21 February 2017  
Accepted Date: 26 February 2017

Please cite this article as: Oleinikova, O.V., Shirokova, L.S., Gérard, E., Yu. Drozdova, O., Lapitskiy, S.A., Bychkov, A.Y., Pokrovsky, O.S., Transformation of organo-ferric peat colloids by a heterotrophic bacterium, *Geochimica et Cosmochimica Acta* (2017), doi: <http://dx.doi.org/10.1016/j.gca.2017.02.029>

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.



**Transformation of organo-ferric peat colloids  
by a heterotrophic bacterium**

**Olga V. Oleinikova<sup>1,2</sup>, Liudmila S. Shirokova<sup>1,3</sup>, Emmanuele Gérard<sup>4</sup>,**

**Olga Yu. Drozdova<sup>2</sup>, Sergey A. Lapitskiy<sup>2</sup>, Andrey Yu. Bychkov<sup>2</sup>, Oleg S. Pokrovsky<sup>1,5\*</sup>**

<sup>1</sup> GET (Geosciences and Environment Toulouse) UMR 5563 CNRS, University Paul Sabatier, 14 Avenue Edouard Belin, 31400 Toulouse, France

<sup>2</sup> Geological Faculty, Moscow State University, 1 Leninskie Gory, 119234 Moscow, Russia

<sup>3</sup> Federal Center for Integrated Arctic Research; IEPS, 23 Nab. Severnoi Dviny, 163000 Arkhangelsk, Russia

<sup>4</sup> IPGP - Institut de Physique du Globe de Paris, 1 Rue de Jussieu, Paris, France

<sup>5</sup> BIO-GEO-CLIM Laboratory, Tomsk State University, 36 Lenina av., 634050 Tomsk, Russia

\*email: [oleg.pokrovsky@get.omp.eu](mailto:oleg.pokrovsky@get.omp.eu)

Keywords: *organic carbon, DOC, Fe, Al, trace element, biodegradation, adsorption, coagulation, precipitation, boreal, water*

Submitted to *Geochimica Cosmochimica Acta*, after revision February 2017.

Download English Version:

<https://daneshyari.com/en/article/5783223>

Download Persian Version:

<https://daneshyari.com/article/5783223>

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