

Biophysico-Chemical Processes Involving Natural Nonliving Organic Matter in Environmental Systems

An up-to-date resource on natural nonliving organic matter

Bringing together world-renowned researchers to explore natural nonliving organic matter (NOM) and its chemical, biological, and ecological importance, *Biophysico-Chemical Processes Involving Natural Nonliving Organic Matter in Environmental Systems* offers an integrated view of the dynamics and processes of NOM. This multidisciplinary approach allows for a comprehensive treatment encompassing all the formation processes, properties, reactions, environments, and analytical techniques associated with the latest research on NOM.

After briefly outlining the historical background, current ideas, and future prospects of the study of NOM, the coverage examines:

- The formation mechanisms of humic substances
- Organo-clay complexes
- The effects of organic matter amendment
- Black carbon in the environment
- Carbon sequestration and dynamics in soil
- Biological activities of humic substances
- Dissolved organic matter
- Humic substances in the rhizosphere
- Marine organic matter
- Organic matter in atmospheric particles

In addition to the above topics, the coverage includes such relevant analytical techniques as separation technology; analytical pyrolysis and soft-ionization mass spectrometry; nuclear magnetic resonance; EPR, FTIR, Raman, UV-visible adsorption, fluorescence, and X-ray spectroscopies; and thermal analysis. Hundreds of illustrations and photographs further illuminate the various chapters.

An essential resource for both students and professionals in environmental science, environmental engineering, water science, soil science, geology, and environmental chemistry, *Biophysico-Chemical Processes Involving Natural Nonliving Organic Matter in Environmental Systems* provides a unique combination of the latest discoveries, developments, and future prospects in this field.

Biophysico-Chemical Processes Involving Natural Nonliving Organic Matter in Environmental Systems



Edited by
Nicola Senesi, Baoshan Xing, and Pan Ming Huang

WILEY



ISBN: 978-0-470-41300-5

Hardcover

884 pages

August 2009

Wiley

US \$205.00

Use the promotional code:
CHEM2 and receive a 20%
Discount on your order

Valid through December 2012

WILEY

EDITED BY:

Nicola Senesi
Baoshan Xing
P. M. Huang

www.wiley.com/

Order Form

How to Order

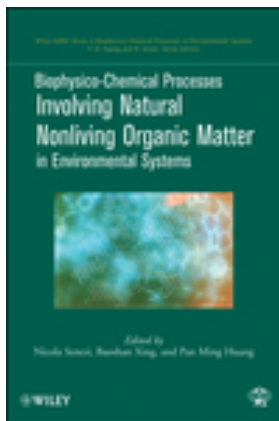
Please send me --- ___ copies of...

Biophysico-Chemical Processes Involving Natural Nonliving Organic Matter in Environmental Systems

ISBN: 978-0-470-41300-5

PAGES: 884 PAGES (CLOTH)

PRICE: \$205.00



In the US:

Phone: 877-762-2974

Fax: 800-605-2665

E-mail: US: custserv@wiley.com

Mail: Wiley Customer Care
10475 Crosspoint Blvd.
Indianapolis, IN 46256

In Canada:

Phone: 800-567-4797

Rest of World:

Phone: 44 1243 843294

E-mail: cs-books@wiley.co.uk

Globally Online:

www.wiley.com

Payment Methods

Stay informed by Post or E-mail

(Please tick one box only)

Check enclosed Payable to John Wiley & Sons for the sum of: _____

Please charge my credit/charge card

Discover Mastercard Visa American Express

Card Number

Expiration Date /

Card Security Code



REQUIRED FOR MASTERCARD, VISA, AMERICAN EXPRESS

Check out our new alerting service at:

www.wiley.com/go/e-service

ALTERNATIVELY PLEASE INDICATE YOUR AREAS OF INTEREST:

SIGNATURE OF CARDHOLDER:

Order not valid unless signed.

NAME OF CARDHOLDER:

ADDRESS

Delivery Address

PLEASE USE CAPITALS

NAME

JOB TITLE

COMPANY/UNIVERSITY

ADDRESS

POSTAL CODE

COUNTRY

TELEPHONE

FAX

EMAIL

To browse hundreds of titles by
Wiley, please visit
[wiley.com](http://www.wiley.com)

Your Personal Data

We, John Wiley & Sons, Inc., will use the information you have provided to fulfil your request. In addition, we would like to:

Use your information to keep you informed by post, e-mail or telephone of titles and offers of interest to you and available from us or other Wiley Group companies worldwide, and may supply your details to members of the Wiley Group for this purpose.

Please tick the box if you do not wish to receive this information

Share your information with other carefully selected companies so that they may contact you by post, fax or e-mail with details of titles and offers that may be of interest to you.

Please tick the box if you do not wish to receive this information.

We will ALWAYS respect your e-mail privacy and NEVER sell, rent, or exchange your e-mail address to any outside company. For complete details, review our Privacy Policy <http://www.wiley.com/privacy>.