

Contents: Sediment linkages between the river catchment and the sea (Ed. Philip N. Owens)

Front cover: Once [JSS 4 (1) 3 (2004)], Ulrich Foerstner asked "Sediments – Resource or Waste?" and came to the conclusion "Secondary source, intrinsic barrier, final storage – these are examples of sediment functions which refer to key issues of actual and future strategies for water, soil and waste management. Sediment-related concepts and methods will not only contribute to the expertise within these areas, but could also take a 'bridging function' between the different policy domains."

This issue supports Foerstner's conclusion that sediment is resource, not waste: Sediment, along with water, provides a link between the fluvial, estuarine and marine environments. Sediment represents an important material which connects river catchments to the coastal zone, in what is called the 'catchment-coast continuum' (see cover picture). The Water Framework Directive is on the way to acknowledge that.

Cover design: Edwin Grondinger, abavo GmbH, Nebelhornstraße 8, 86807 Buchloe, Germany (edwin.grondinger@abavo.de; <http://www.abavo.de>)

Front cover, inside: The new JSS Framework of Subject Areas and corresponding Editors

Back cover, inside: The new JSS Framework of Subject Areas and corresponding Editors (continued)

Back cover: The Mission of JSS – Subscription Rates 2007

- 9A Contents
- 10A **Call for Papers:** Progress in Soils and Sediments Reviews
- 10A Impressum ecomed and Springer
- 273–276 Background and Summary of this Issue on Sediment Linkages (Introduction)
Philip N. Owens
- 277–284 The Dynamics of Sedimentary Systems and the Whimsicality of Policy Processes **
Adriaan Slob and Lasse Gerrits
- 285–295 Sediment Management Options for the Lower Ebro River and its Delta **
Albert Rovira and Carles Ibáñez
- 296–302 Sedimentary Characterization of Tagus Estuarine Beaches (Portugal). A contribution to the sediment budget assessment **
Paula Freire, Rui Taborda and Ana M. Silva
- 303–312 Influence of Land Use in Small Karst Watersheds on the Chemical Status of Peloid Sediments on the Eastern Adriatic Coast **
Slobodan Miko, Georg Koch, Saša Mesić, Martina Šparica Miko, Marko Šparica Polona Vreča and Tadej Dolenc
- 313–325 A Geochemical Analytical Approach for the Evaluation of Heavy Metal Distribution in Lagoon Sediments **
Renata Pacifico, Paola Adamo, Carlo Cremisini, Fabio Spaziani and Luciano Ferrara
- 326–341 The Assessment of Sediment Screening Risk in Venice Lagoon and Other Coastal Areas Using International Sediment Quality Guidelines **
Sabine E. Aplitz, Andrea Barbanti, Alberto Giulio Bernstein, Martina Bocci, Eugenia Delaney and Laura Montobbio
- 342–349 Application of a New Sediment Contact Test with *Myriophyllum aquaticum* and of the Aquatic *Lemna* Test to Assess the Sediment Quality of Lake Skadar **
Danijela Stesevic, Ute Feiler, Danijela Sundic, Slavoljub Mijovic, Lothar Erdinger, Thomas-Benjamin Seiler, Peter Heininger and Henner Hollert
- 350 About the Editor of this Issue
Philip N. Owens

** These articles are peer-reviewed

JSS is listed, indexed and abstracted by:

BIOSIS BioBusiness database, Philadelphia, PA/USA

CABI (CAB International), Publishers Relations and Information Resources, Wallingford, Oxon OX 10 8DE, UK

CAS Chemical Abstracts Service, Columbus, OH/USA

CEABA-VTB Chemical Engineering and Biotechnology Abstracts, DECHEMA, Frankfurt/Main, Germany

CIS Congressional Information Service, Bethesda, Maryland/USA

Elsevier BIOBASE Current Awareness in Biological Sciences, Amsterdam, The Netherlands

Elsevier Geobase www.elsevier.nl/locate/geobase – Coverage of JSS began in 2000

ISI-SCI Science Citation Index Expanded (also known as 'Web of Science'), category Agriculture, Soil Science, and **Current Contents**, category Agriculture / Agronomy – Coverage began in 2005

LexisNexis Group 7500 Old Georgetown Road, Suite 1300, Bethesda, MD 20814-6126

SCOPUS Elsevier <http://www.info.scopus.com> – Coverage of JSS began in 2002

UFOR / ULIT / URDB Federal Environmental Agency (UBA), Berlin, Germany

OnlineFirst Publications in JSS

Subject Area	Article
Urban Impact on Soils and Groundwater	Mohrlok U, Wolf L, Klinger J (2007): Quantification of Infiltration Processes in Urban Areas by Accounting for Spatial Parameter Variability. J Soils Sediments, DOI: http://dx.doi.org/10.1065/jss2007.05.225
Urban Impact on Soils and Groundwater	Strauch G, Möder M, Wennrich R, Osenbrück K, Gläser H-R, Schladitz T, Müller C, Schirmer K, Reinstorf F, Schirmer M (2007): Indicators for Assessing Anthropogenic Impact on Urban Surface and Groundwater. J Soils Sediments, DOI: http://dx.doi.org/10.1065/jss2007.06.234
Microbial Communities	Costa AL, Paixão SM, Caçador I, Carolino M (2007): CLPP and EEA Profiles of Microbial Communities in Salt Marsh Sediments. J Soils Sediments, DOI: http://dx.doi.org/10.1065/jss2007.02.211
Microbial Communities	Lagomarsino A, Knapp BA, Moscatelli MC, De Angelis P, Grego S, Insam H (2007): Structural and Functional Diversity of Soil Microbes is Affected by Elevated [CO ₂] and N Addition in a Poplar Plantation. J Soils Sediments, DOI: http://dx.doi.org/10.1065/jss2007.04.223
Soils, Section 2: Global change and environmental risk assessment	Zheng Y-M, Chen T-B, He J-Z (2007): Multivariate Geostatistical Analysis of Heavy Metal in Topsoils from Beijing, China. J Soils Sediments, DOI: http://dx.doi.org/10.1065/jss2007.08.245
Soils, Section 4: Ecotoxicology	Diogo JB, Natal-da-Luz T, Sousa JP, Vogt C, Nowak C (2007): Tolerance of Genetically Characterized <i>Folsomia candida</i> Strains to Phenmedipham Exposure. A comparison between reproduction and avoidance tests. J Soils Sediments, DOI: http://dx.doi.org/10.1065/jss2007.09.252
Sediments, Section 2: Sediment risk management and communication	Antunes SC, Pereira R, Gonçalves F (2007): Evaluation of the Potential Toxicity (acute and chronic) of Sediments from Abandoned Uranium Mine Ponds. J Soils Sediments, DOI: http://dx.doi.org/10.1065/jss2007.08.247
Sediments, Section 2: Sediment risk management and communication	Schulze T, Ricking M, Schröter-Kermani C, Körner A, Denner H-D, Weinfurter K, Winkler A, Pekdeger A (2007): The German Environmental Specimen Bank. Sampling, processing, and archiving sediment and suspended particulate matter. J Soils Sediments, DOI: http://dx.doi.org/10.1065/jss2007.08.248