

Call for book chapters: a Wiley book on
“Constructed Wetlands for Industrial Wastewater Treatment”

Editor

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I would like to cordially invite you to contribute a book chapter to the forthcoming book entitled **“Constructed Wetlands for Industrial Wastewater Treatment”**.

This book will be published by WILEY Publishers and it is anticipated to be in print by early 2017.

Objective

Over the last two decades Constructed Treatment Wetlands attracted increasing worldwide interest due to the various economic and environmental benefits they provide. They have been effectively applied for the treatment of domestic and municipal wastewater. However, there are many wastewaters of industrial sources with a substantially different composition and physicochemical characteristics. Usually, the load of common pollutants such as suspended solids, organic matter and ammonia is much higher in these wastewaters compared to municipal ones. More complex pollutants (e.g., heavy metals, micro-pollutants, hydrocarbons, phenolics etc.) may also be present and should be taken into consideration.

Commonly applied methods to treat these wastewaters are high-tec systems, which means they have high investment cost, are energy intensive, include complex mechanical equipment, with high operation and maintenance costs and possess a high environmental footprint. Thus, there is a need to move to more sustainable and efficient technological solutions. This is why Constructed Wetlands are gaining interest worldwide as an alternative treatment technology for industrial wastewaters. These wastewaters are today in the forefront of scientific and research interest, due to their complexity, the great variety of compounds and their potential adverse impact to the ecosystems and, thus, human health. Under this frame, the technology of Constructed Wetlands represents an ideal alternative that offers a series of environmental, economic and social advantages.

This book project will present the state-of-the-art applications of the Constructed Wetland technology for industrial wastewater treatment. It will cover a wide range of applications of these sustainable systems for the treatment of wastewater from various industrial facilities, as well as the current status and processes knowledge regarding their use in the industrial sector, through case studies, research work and review chapters.

Recommended topics include - but are not limited to – applications of Constructed Wetlands in:

- Dairy farms
- Chemical industry
- Waste processing industry
- Animal farms (manure treatment, poultry stable cleaning water)
- Food industry (slaughterhouses, meat processing industry, vegetable processing, rice/tapioca processing, sauces/soups manufacturing)
- Fish and shrimp aquacultures
- Laundry waste water, surface run-off with oil spills
- Pulp and paper industry
- Azo-dye and textile industry
- Wastewater containing pharmaceuticals (hospitals, institutions for disabled people)
- Nitrate rich wastewater from a coating process
- Mine drainage water
- Petrochemical wastewater and oil produced wastewater
- Refinery effluents and contaminated groundwater
- Wastewater from wineries, breweries, coffee processing industries
- Olive mill wastewater
- Various sludge treatment systems, including iron sludge from drinking water processing
- Landfill leachate
- Tannery wastewater

Target audience

Universities, Academics, Scientists, Researchers, Industries, Practicing civil and environmental engineers in water treatment, young researchers (doctoral students and PostDocs), graduate students.

Submission Procedure

Researchers, professionals and practitioners are invited to submit via email to the Editor (stefanakis.alexandros@gmail.com) on or before January 31, 2016, a **chapter proposal** of up to **1,000 words** that contains:

- (1) title,
- (2) names and affiliation of all authors,
- (3) an abstract clearly explaining the mission and topic of the proposed chapter, and
- (4) contact author information.

Authors of accepted proposals will be notified by February 15, 2016 about the status of their proposals and sent chapter guidelines. Full chapters are expected to be submitted by May 1, 2016. All submitted chapters will be reviewed on a double-blind review basis. Contributors may also be requested to serve as reviewers for this project.

Important dates

31 January 2016: Proposal Submission Deadline

15 February 2016: Notification of Acceptance

1 May 2016: Full Chapter Submission

1 July 2016: Review Results Returned

1 August 2016: Final Chapter Submission

Manuscript guidelines

The manuscripts submitted for the book must be original and not previously published elsewhere or currently under review. Expected chapter length is between **7,000 to 10,000** words or more - it can be discussed with the editor. The formatting of initial or draft manuscripts should follow: A4 page format, single column with 11 point Times New Roman font with 1.5 line spacing, while submitting your manuscript as Microsoft Office Word document. WILEY follows Harvard Style as the reference style.

Publisher

This book is scheduled to be published by **WILEY Publishers** and it is anticipated to be in print by early 2017. Wiley, established in 1807 by 25-year-old Charles Wiley in lower Manhattan, is a global publisher and provider of content-enabled solutions aiming to improve outcomes in research, education and professional practice. With strengths in every major academic, scientific and professional field, and strong brands including Wiley Blackwell and Wiley VCH, Wiley proudly partners with over 800 prestigious societies representing two million members. For additional information regarding the publisher, please visit www.eu.wiley.com.

- Publication is **free of charge** for Authors.
- Senior (first-named) chapter contributors will receive **a free copy** of the book.

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With best regards,

Alexandros