

Springer book title:

Industrial Symbiosis for the Circular Economy: Operational experiences, best practices and obstacles to a collaborative business approach.

Submission Deadline:

31 December 2018

Editors

Andrea Cecchin, Laura Cutaia, Pauline Deutz, Andrea Raggi, Roberta Salomone

Summary

Dear Colleagues,

We are pleased to invite you to submit an expression of interest to contribute a chapter to be included in the book “Industrial Symbiosis for the Circular Economy: Operational experiences, best practices and obstacles to a collaborative business approach” by December 31, 2018. The book will be published by Springer.

Editors will select high quality Chapters that contribute to the understanding of both the variety and sustainability impact of circular economy (CE) practices, as well as new business models practices, including industrial symbiosis. In fact, industrial symbiosis is reported in the Action Plan on the Circular Economy developed by the European Commission in 2015 (COM / 2015/0614 final) and in its revision of 14 March 2017.

CE and innovative waste management practices, including transferring and sharing resources (raw materials, water, residues, energy, services, skills, tools, databases) from one operator to another or between operators. These practices have been incorporated at a variety of policy levels from local to international, and in a variety of forms from top-down government mandates to bottom-up independent programs and projects. Relatively little attention, however, has been paid to examining the environmental, social, and economic impact of these practices, and how those impacts may be context and/or scale dependent.

The aim of the book is to collect real experiences and best practices of industrial symbiosis, performed both by industries and the scientific community, as well as successful and unsuccessful cases (implemented or under implementation), with the final aim to promote the adoption of industrial symbiosis as an operational and systematic tool for the CE.

Sharing the knowledge and experiences on CE and industrial symbiosis practices can highlight successful practices (e.g., tools for its implementation or stakeholder experiences). Also important are lessons regarding obstacles and barriers to implementation. Relevant issues could include both technical matters (processing of by-products and waste for their re-use), use information technology (databases and tools), and in management, logistical, procedural, administrative and regulatory terms.

Special encouragement goes to the papers presented at the 24th International Sustainable Development Research Society Conference “Actions for a Sustainable World: from theory to practice” (ISDRS 2018), in the following two theme tracks: “5c. Circular economy, zero waste & innovation” and “5g. Industrial symbiosis, networking and cooperation as part of industrial ecology”.

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Dr. Laura Cutaia

Dr. Pauline Deutz

Prof. Andrea Raggi

Prof. Roberta Salomone

Dates to Remember:

Abstract Submission: 15th October 2018

Communication Selected Abstracts: 31st October 2018

Submission of First Draft: 31st December 2018

Reviews will be sent by February 28th 2019

Submission of Final Draft: 28th March 2019;

Notification of acceptance by 1st May 2019?

We will select 14 chapters (of 15 pages each, including tables, figures and reference - 550 words per page).

Please submit extended chapter abstracts (800-1,000 words) together with a full list of contributors and a tentative title to Roberta Salomone (roberta.salomone@unime.it) no later than October 15th, 2018. The title, the list of authors, their affiliations and references (if any) are excluded from the word count. The editors will screen all submitted abstracts for clarity, relevance and expected contribution to the book theme. Chapters will be reviewed by the editors; only high-quality contributions will be accepted.