

## Contents

**Front cover:** The cover picture reflects the topics of the articles on pp. 150–161 and 183–188: Stratospheric Ozone Depletion and Photovoltaic Systems as Part of the Environment. **Cover idea:** David Hunkeler ([david.hunkeler@aquaplustech.ch](mailto:david.hunkeler@aquaplustech.ch)). **Cover design:** Edwin Grondinger, abavo GmbH, Nebelhornstraße 8, 86807 Buchloe, Germany ([edwin.grondinger@abavo.de](mailto:edwin.grondinger@abavo.de); <http://www.abavo.de>)

**Front cover, inside:** Editors (for further information, please go to <http://www.scientificjournals.com/sj/lca/editors>)

**Back cover, inside:** Special subscription rates for UNEP/SETAC Life Cycle Initiative working group members differentiated according to OECD (50% discount) and non-OECD countries (75% discount)

**Back cover:** LCA Advertisement with Order Form

- 3A Contents  
 4A ESS – Electronic Submission System: How to access it (<http://www.scientificjournals.com/sj/all/ESS>)  
 4A Impressum ecomed and Springer

### Editorials

- 143–149 The Age of E-mail Submission has passed – The Age of ESS Submission has arrived  
 Walter Klöpffer and Almut B. Heinrich

### LCA Methodology

- 150–161 Expanded Damage Function of Stratospheric Ozone Depletion to Cover Major Endpoints Regarding Life Cycle Impact Assessment \*\*  
 Kentaro Hayashi, Ai Nakagawa, Norihiro Itsubo and Atsushi Inaba
- 162–171 Characterisation and Normalisation Factors for Life Cycle Impact Assessment – Mined Abiotic Resources Categories in South Africa. The manufacturing of catalytic converter exhaust systems as a case study \*\*  
 Kerwin Strauss, Alan C Brent and Sibbele Hietkamp

### LCA Case Studies

- 172–182 Life Cycle Assessment of Wood Floor Coverings. A Representative Study for the German Flooring Industry \*\*  
 Barbara Nebel, Bernhard Zimmer and Gerd Wegener
- 183–188 LCA of Multicrystalline Silicon Photovoltaic Systems  
 Part 2: Application on an Island Economy \*\*  
 Christopher Koroneos, Nikolaos Stylos and Nicolas Moussiopoulos

**Part 1:** Present Situation and Future Perspectives  
 Int J LCA 11 (2) 129–136

### Uncertainties in LCA (Subject Editor: Andreas Ciroth)

- 189–199 Uncertainty in Impact and Externality Assessments Implications for Decision-Making \*\*  
 Manfred Lenzen

Appendix A (online edition only, see <http://dx.doi.org/10.1065/lca2005.04.201>)

### Life Cycle Management (Subject Editor: Gerald Rebitzer)

- 200–208 Life Cycle Approach in the Procurement Process. The Case of Defence Materiel \*\*  
 Elisabeth Hochschorner and Göran Finnveden

### Corner: UNEP/SETAC Life Cycle Initiative

- 209–212 Establishing a Framework for Life Cycle Toxicity Assessment – Findings of the Lausanne Review Workshop  
 Olivier Jolliet, Ralph Rosenbaum, Peter M. Chapman, Tom McKone, Manuele Margnia, Martin Scheringer, Nico van Straalen and Frank Wania

### Letters to the Editor

- 213–214 Response to 'Comments on Workshop Report on the Economic and Environmental Impacts of Biobased Production'  
 Amy E. Landis and Thomas L. Theis

### New LCA Theses

- 215–216 Environmental Life Cycle Assessment in Microelectronics Packaging  
 Anders S.G. Andræ

### \*\* Peer-reviewed

**EcoBalance 2006 – The 7th International Conference on EcoBalance**  
 'Designing Our Future Society Using Systems Thinking'  
 Epochal Tsukuba, Tsukuba, Japan, November 14 to 16, 2006

We particularly welcome presentations on LCA and assessments based on Life Cycle Thinking. Please see the following website:  
<http://www.sntt.or.jp/ecobalance7/2nd/index.html>

**Conference Secretariat:** The Society of Non-Traditional Technology,  
 Sakura Bldg.9F, 2-5-5 Toranomon, Minato-ku,  
 Tokyo, 105-0001 Japan  
 (Tel.: +81-3-3503-4681; Fax.: +81-3-3597-0535; e-mail: [iceb7@sntt.or.jp](mailto:iceb7@sntt.or.jp))

### Int J LCA is listed, indexed and abstracted by the following documentation services:

<b>BIOSIS</b>	BioBusiness database, Philadelphia, PA/USA
<b>CABI</b>	(CAB International), Publishers Relations and Information Resources, Wallingford, Oxon OX 10 8DE, UK
<b>CAS</b>	Chemical Abstracts Service, Columbus, OH/USA
<b>CEABA-VTB</b>	Chemical Engineering and Biotechnology Abstracts, DECHEMA, Frankfurt/Main, Germany
<b>CIS</b>	Congressional Information Service, Bethesda, Maryland/USA
<b>Elsevier BIOBASE</b>	Current Awareness in Biological Sciences, Amsterdam, The Netherlands
<b>ISI-SCI</b>	Science Citation Index, ISI Alerting Services, and Current Contents/Agriculture, Biology, and Environmental Sciences
<b>LexisNexis Group</b>	4520 East-West Highway, Bethesda, MD 20814, USA
<b>SCOPUS</b>	Elsevier <a href="http://www.info.scopus.com">http://www.info.scopus.com</a> Coverage of Int J LCA starting in 1996
<b>UFOR/ULIT/URDB</b>	Federal Environmental Agency (UBA), Berlin, Germany