

PAPERS SELECTED FOR “ENERGY JOURNAL”

1. The Development of a Sustainable Development Model Framework

Alim Hannoura*, University of New Orleans, USA
Giana M. Cothren, University of New Orleans, USA
Wael M. Khairy, National Water Research Center, Egypt

2. Sustainable Development After Johannesburg and Iraq: The Global Situation and the Cases of Slovenia and Croatia

Robert Blinc*, Jozef Stefan Institute, Slovenia
Ivo Slaus, Croatian Academy of Sciences and Arts, Croatia

3. Some Problems of Development of Combined Generation of Electricity and Heat in Russia

Yu.A. Zeigarnik*, Institute of High Temperatures of the
Russian Academy of Sciences, Russia

4. A Novel Kalina Cycle in Power Generation Study Case: Research and Exploitation Geothermal Well IB – 10, Ilidza, Sarajevo

Emin Kulic*, University of Sarajevo, Mechanical Engineering Faculty, Bosnia and Herzegovina
Haris Lulic, University of Sarajevo, Mechanical Engineering Faculty, Bosnia and Herzegovina
Alija Lekic, University of Sarajevo, Mechanical Engineering Faculty, Bosnia and Herzegovina

5. Improvement of the Cogeneration Plant Economy by Using Heat Accumulator

Zeljko Bogdan*, University of Zagreb, Faculty of Mechanical Engineering
and Naval Architecture, Croatia
Damir Kopjar, HEP d.d., Croatia

6. Technical Design of Flexible Sustainable Energy Systems

Henrik Lund*, Aalborg University, Denmark

7. Sustainability Assessment of Co-Generation Sector Development in Croatia

Maria da Graca Carvalho, Technical University of Lisbon,
Instituto Superior Tecnico, Portugal
Marko Liposcak*, Technical University of Lisbon,
Instituto Superior Tecnico, Portugal
Naim H. Afgan, Technical University of Lisbon,
Instituto Superior Tecnico, Portugal
Neven Duic, University of Zagreb, Faculty of Mechanical Engineering and
Naval Architecture, Croatia

8. Recycling of Wood Waste as Sustainable Industrial Resources

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K. Kanayama, National Institute of Advanced Industrial Science and Technology, Japan
K. Takeuchi, Industrial Technology Researchers of New Energy, Japan
N. Soma, Industrial Technology Researchers of New Energy, Japan

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9. Municipal Solid Waste Incineration in Europe –Contribution to Sustainable Development of Energy and Environment

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Maria da Graca Carvalho, Technical University of Lisbon,
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10. Renewable Energy and the Need for Local Energy Markets

Frede Hvelplund*, Aalborg University, Denmark

11. Improvement of a Reverse Osmosis Desalination Process through Integration with a CHP System

Luis Serra, University of Zaragoza, Spain
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Angela Bona, Politecnico di Torino, Italy
Chiara Ciano, Politecnico di Torino, Italy
Vittorio Verda*, Politecnico di Torino, Italy
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12. Passive Radiative Condensers to Extract Water from Air

Daniel Beysens*, CEA-Grenoble, France
Marc Muselli, Université de Corse, France
Iryna Milimouk, CNRS, France
Catherine Ohayon, Université de Bordeaux 2, France
Simon Berkowicz, Hebrew University, Israel
Emmanuel Soyeux, Lyonnaise des Eaux, France
Marina Mileta, Drzavni Hidrometeoroloski Zavod, Croatia
Pascal Ortega, Université de la Polynésie Française, Polynesie Francaise

13. Bringing Sustainability Science to Water Basin Management

Jurgen Schmandt*, University of Texas at Austin, USA

14. Qualitative Aspects of Sustainability in a Green Society

Manuela Sarmiento, Technical University of Lisbon,
Instituto Superior Tecnico, Portugal
Manuela Duarte, Superior Institute of Accounting
and Administration, Portugal
Diamantino Durao*, Technical University of Lisbon,
Instituto Superior Tecnico, Portugal

15. Limits to CDM and Joint Implementation (The Kyoto Mechanism and Technological Innovation)

Henrik Lund*, Aalborg University, Denmark

16. Water Demand Management

Dragutin Geres*, Croatian Waters, Croatia

17. Life Cycle Assessment of MSF, MED and RO Desalination Technologies

Luis Serra*, University of Zaragoza, Spain

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Gemma Raluy, University of Zaragoza, Spain

**18. Exploring an Innovative Watershed Management Approach:
from Feasibility towards Sustainability**

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Thomas Hardy, Utah State University, Logan, USA

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**19. An Assessment of the Potential Benefits from Integrated Electricity Planning in
the Northern Middle East Region**

Farqad AlKhal*, American University of Beirut, Faculty of Engineering and Architecture, Lebanon

Riad Chedid, American University of Beirut, Faculty of Engineering and Architecture, Lebanon

Zeina Itani, American University of Beirut, Faculty of Engineering and Architecture, Lebanon

20. Efficient Energy Consumption in Water Supply Company

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