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# Activitate științifică

Teza de doctorat: MODELE DE MANAGEMENT AL DEȘEURILOR ȘI APLICAREA LOR PENTRU MANAGEMENTUL DURABIL AL DEȘEURILOR RECICLABILE

# Lucrări publicate în jurnale

2015

#### Jurnale ISI

Challenges and oportunities in green plastics: An assessment using the ELECTRE decision-aid method Elena-Diana Comanită, Cristina Ghinea, Raluca Maria Hlihor, Isabela Maria Simion, Camelia Smaranda, Lidia Favier, Mihaela Roşca, Irina Gostin, Maria Gavrilescu Environmental Engineering and Management Journal, 14, 689-702, 2015.

2014

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Cristina Ghinea, Madalina Petraru, Isabela Simion, Dana Sobariu, Hans Th. A Bressers, Maria Gavrilescu

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### Journale incluse in baze de date, CNCSIS

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Multicriteria evaluation of municipal solid waste management scenarios: Case study Iasi, Romania Cristina Ghinea, Hans Th. A. Bressers, Maria Gavrilescu
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#### 2012

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Environmental Evaluation of Waste Management Scenarios - Significance of the Boundaries Cristina Ghinea, Madalina Petraru, Hans Th. A. Bressers, Maria Gavrilescu

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Analysis and management of specific processes from environmental engineering and protection based on sustainability indicators

Maria Emiliana Fortună, Isabela Maria Simion, Cristina Ghinea, Madalina Petraru, Petronela Cozma, Laura Carmen Apostol, Raluca Maria Hlihor, Daniela Tudorache Fertu, Maria Gavrilescu, Environmental Engineering and Management Journal, 11, 333-350, 2012.

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Analysis of Environmental Impact for Industry Products. Case Study: Paper Manufacturing Madalina Petraru, Cristina Ghinea, Hans Th. A. Bressers, Maria Gavrilescu, Bulletin of the Polytechnic Institute of Iasi, Chemistry and Chemical Engineering Section, 57(4), 63-74, 2011.

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# Lucrări publicate în volume ale Conferințelor și Simpozioanelor

2010

Prognostic tools for assessment of alternative waste management scenarios

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## Comunicări orale și postere

#### Conferinte si Simpozioane Nationale

2014

Analysis of environmental impacts of municipal solid waste, Cristina Ghinea, Diana Elena Comanita, Madalina Petraru, Maria Gavrilescu, "Alexandru Ioan Cuza" University Days, Faculty of Chemistry Conference Iasi, 31 October - 1 November, 2014, Iasi, Romania.

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2014

Evaluation of solid waste management scenarios using analytic hierarchy process (AHP) technique, Cristina Ghinea, Elena Diana Comaniță, Madalina Petraru, Petronela Cozma, Maria Gavrilescu, 2<sup>nd</sup> International Conference on Chemical Engineering Innovative Materials and Processes, 5-8 November 2014, Iasi, Romania.

A comparative life cycle assessment of three types of agricultural waste applied for Cd(II) biosorption, Raluca Maria Hlihor, Isabela Maria Simion, Cristina Ghinea, Elena Diana Comanita, Laura Carmen Apostol, Petronela Cozma, Maria Gavrilescu, 2<sup>nd</sup> International Conference on Chemical Engineering Innovative Materials and Processes, 5-8 November 2014, Iasi, Romania.

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Risk assessment of municipal solid waste landfilling, Cristina Ghinea, Diana Elena Comanita, Isabela Maria Simion, Petronela Cozma, Maria Gavrilescu, Second International Conference on NATURAL AND ANTHROPIC RISKS - ICNAR2014, 4-7 June, 2014 Bacau, Romania.

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#### 2013

Life Cycle Assessment of Waste Management and Recycled Paper Systems, Cristina Ghinea, Madalina Petraru, Isabela Simion, Dana Sobariu, Hans Th. A Bressers, Maria Gavrilescu, **7**<sup>th</sup> International Conference on Environmental Engineering and Management Integration Challenges for Sustainability, 18 – 21 September 2013, Vienna, Austria.

Evaluation of Environmental Impacts for Cd(II) Biosorption on Pumpkin Seed Hulls using Life Cycle Assessment, Raluca Maria Hlihor, **Cristina Ghinea**, Dana Sobariu, Isabela Teslaru, Laura Carmen Apostol, Petronela Cozma, Laura Bulgariu, Maria Gavrilescu, **7<sup>th</sup> International Conference on Environmental Engineering and Management** Integration Challenges for Sustainability, 18 – 21 September 2013, Vienna, Austria.

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Environmental assessment of recyclable materials using life cycle assessment and multicriteria evaluation, Cristina Ghinea, Madalina Petraru, Hans Th. A. Bressers, Maria Gavrilescu, Centenary of Education in Chemical Engineering, Faculty of Chemical Engineering and Environmental Protection, 28-30 November 2012, Iasi, Romania.

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Evaluation of the contribution of the raw materials used in paper production to global warming, Madalina Petraru, Cristina Ghinea, Hans Th. A. Bressers, Maria Gavrilescu Global Conference on Global Warming-2012 (GCGW-12), 8-12 July, 2012 Istanbul, Turkey.

Environmental assessment of municipal solid waste management systems using LCA and multicriteria evaluation

**Cristina Ghinea**, Madalina Petraru, Hans Th. A. Bressers, Maria Gavrilescu **International Conference "20<sup>th</sup> European Biomass Conference & Exhibition 2012"**, 18-22 June 2012, Milan, Italy.

Analysis of the Environmental Impact of Water Scrubbing Technology Applied for Biogas Upgrading Based on LCA Methodology

Petronela Cozma, Walter Wukovits, **Cristina Ghinea**, Ioan Mamaliga, Anton Friedl, Maria Gavrilescu **International Conference "20th European Biomass Conference & Exhibition 2012"**, 18-22 June 2012, Milan, Italy.

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Cristina Ghinea, Madalina Petraru, Maria Gavrilescu, Hans Bressers
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Energy and Climate Change, 19-21 October 2011, University of Twente, Enschede, The
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Analysis and management of specific processes from environmental engineering and protection based on sustainability indicators

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Prognostic tools for assessment of alternative waste management scenarios

Cristina Ghinea, Maria Gavrilescu

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# Conferințe, membru în comitetele de organizare

2012

Progress in Environmental Engineering, Biotechnology and Management in the Frame of Knowledge-Based Sustainable Economy, Exploratory Workshop, Member of the organizing committee PN-II-ID-WE-2012-4-062, contract 60/16.08.2012.

## Book reviews - publicate in jurnale ISI

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Sustainable resource development, Gary M. Zatzman

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## Premiul pentru cel mai bun poster

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lunie, 2015

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