

UNIVERSITATEA TEHNICĂ “GHEORGHE ASACHI” DIN IAȘI
Facultatea de Inginerie Chimică și Protecția Mediului „Cristofor Simionescu”
Departamentul Ingineria și Managementul Mediului
Concurs pentru ocuparea postului de **Conferentiar** poz. **13** din Statul de funcții
Disciplinele postului: **Sustainable Consumption**
Evaluarea ciclului de viața

TEMATICA DE CONCURS
pentru postul de Conferentiar, pozitia 13

1. The unsustainable global picture of current consumption patterns
2. Fundamentals of sustainable consumption. Definition, characteristics, principles and actions
3. Consumption models
4. Product-service systems and their environmental benefits
5. Eco-design for sustainable consumption
6. Prezentare generala a metodologiei Evaluarii ciclului de viața
7. Planificarea studiilor de evaluare a ciclului de viața
8. Analiza de inventar in evaluarea ciclului de viața
9. Evaluarea impactului ciclului de viața. Principii si metode
10. Interpretarea rezultatelor in Evaluarea ciclului de viața

Bibliografie:

- Maurie J Cohen_ Joseph Murphy - Exploring sustainable consumption, environmental policy and the social sciences, 2001, Pergamon
- Carlo Vezzoli, Cindy Kohtala and Amrit Srinivasan, Product-Service System Design for Sustainability, 2014 Greenleaf Publishing Limited,
- Schögl J-P, Baumgartner RJ, Hofer D, Improving sustainability performance in early phases of product design: A checklist for sustainable product development tested in the automotive industry, Journal of Cleaner Production (2016), doi: 10.1016/j.jclepro.2016.09.195
- Elizabeth B Goldsmith, 2015, Social Influence and Sustainable Consumption, Springer, 978-3-319-20738-4
- Ana Mestre & Tim Cooper (2017) Circular Product Design. A Multiple Loops, Life Cycle Design Approach for the Circular Economy, The Design Journal, 20:sup1, S1620-S1635, DOI: 10.1080/14606925.2017.1352686
- European Commission - Joint Research Centre - Institute for Environment and Sustainability, 2010, International Reference Life Cycle Data System (ILCD) Handbook - General guide for Life Cycle Assessment - Detailed guidance. EUR 24708 EN. Luxembourg. Publications Office of the European Union,
- Michael Z. Hauschild, Ralph K. Rosenbaum, Stig Irving Olsen, 2017, Life Cycle Assessment: Theory and Practice-Springer
- Mary Ann Curran eds, 2017, LCA Compendium – The Complete World of Life Cycle Assessment] - Goal and Scope Definition in Life Cycle Assessment, Springer Netherlands

- Michael Z. Hauschild, Mark A.J. Huijbregts (eds.), 2015, LCA Compendium – The Complete World of Life Cycle Assessment - Life Cycle Impact Assessment-Springer Netherlands,
- SR EN ISO 14040:2007, Management de mediu., Evaluarea ciclului de viață.Principii și cadru
- SR EN ISO 14044:2007, Management de mediu. Evaluarea ciclului de viață. Cerințe și linii directoare

Decan,

Prof.univ.dr.ing. Teodor Malutan



Director departament,

Prof.univ.dr.ing. Carmen Teodosiu

“GHEORGHE ASACHI” TECHNICAL UNIVERSITY OF IASI
„Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection
Department of Environmental Engineering and Management
Contest for the open position **13 – Associate Professor**
Disciplines: **Sustainable Consumption**
Life cycle Assessment (Evaluarea ciclului de viata)

CONTEST THEME

for the position of Associate Professor, position 13

1. The unsustainable global picture of current consumption patterns
2. Fundamentals of sustainable consumption. Definition, characteristics, principles and actions
3. Consumption models
4. Product-service systems and their environmental benefits
5. Eco-design for sustainable consumption
6. General presentation of Life cycle assessment methodology
7. Life cycle assessment study planning
8. Life cycle inventory analysis
9. Life cycle impact assessment. Principles and methods
10. Life cycle assessment. Interpretation of Results.

References:

- Maurie J Cohen_ Joseph Murphy - Exploring sustainable consumption, environmental policy and the social sciences, 2001, Pergamon
- Carlo Vezzoli, Cindy Kohtala and Amrit Srinivasan, Product-Service System Design for Sustainability, 2014 Greenleaf Publishing Limited,
- Schögl J-P, Baumgartner RJ, Hofer D, Improving sustainability performance in early phases of product design: A checklist for sustainable product development tested in the automotive industry, Journal of Cleaner Production (2016), doi: 10.1016/j.jclepro.2016.09.195
- Elizabeth B Goldsmith, 2015, Social Influence and Sustainable Consumption, Springer, 978-3-319-20738-4
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- European Commission - Joint Research Centre - Institute for Environment and Sustainability, 2010, International Reference Life Cycle Data System (ILCD) Handbook - General guide for Life Cycle Assessment - Detailed guidance. EUR 24708 EN. Luxembourg. Publications Office of the European Union,
- Michael Z. Hauschild, Ralph K. Rosenbaum, Stig Irving Olsen, 2017, Life Cycle Assessment: Theory and Practice-Springer

- Mary Ann Curran eds, 2017, LCA Compendium – The Complete World of Life Cycle Assessment - Goal and Scope Definition in Life Cycle Assessment, Springer Netherlands
- Michael Z. Hauschild, Mark A.J. Huijbregts (eds.), 2015, LCA Compendium – The Complete World of Life Cycle Assessment - Life Cycle Impact Assessment-Springer Netherlands,
- EN ISO 14040:2006, Environmental Management, Life cycle assessment. Principles and Framework
- EN ISO 14044:2006, Environmental Management, Life cycle assessment. Requirements and guidelines.

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Head of Departament,

Prof. univ. dr. ing. Carmen TEODOSIU