



COST ACTION GREENERING – DATA COLLECTION

First name, Family Name: Jolanta Dvarionienė

Type (Academic or Industrial): Academic

Country: Lithuania

Leadership position in the COST: MC

Working Group in which you are involved: WG 1 – Opportunities for Implementation of Green process at Industrial scale; WG 3 – Education and Mobility; WG 4 – Impact;

E-mail: jolanta.dvarioniene@ktu.lt

Laboratory/Company: Institute of Environmental Engineering, Kaunas University of Technology, address Gedimino str. 50-311, 44239 Kaunas, Lithuania phones +370 (37) 300 767, mobile +370 686 97575

Laboratory/Company info (limited to 400 characters):

Kaunas University of Technology (KTU) is the technical university in the Baltic States. The Institute of Environmental Engineering (APINI) is an integrated part of KTU. Since its establishment it has been working as a multidisciplinary research institute. Relevant competences of APINI include research in the fields of Cleaner production, Resource efficiency, Substitution of Hazardous Substances, Life Cycle Assessment of Products and Processes.

Link to the home page of the Laboratory/Company: <https://apinien.ktu.edu/>

Fields of expertise (limited to 400 characters):

- Sustainable development and Circular economy research and interregional projects implemented in close cooperation with local/regional/national public authorities and science institutions;
- Cleaner Production projects in various industrial branches;
- Development of the Scenarios for Substitution of Hazardous substances;
- Environmental Impact assessment of products and processes using Life cycle approach;

5 Main publications or patents:

- Oguzcan, Semih; Dvarioniene, Jolanta et al. Environmental impact assessment model for substitution of hazardous substances by using life cycle approach // Environmental Pollution. Barking, Essex : Elsevier. ISSN 0269-7491. eISSN 1873-6424. 2019, vol. 254, Pt. A, art. no. 112945, p. 1-11. DOI: 10.1016/j.envpol.2019.07.113.
- Oguzdjan, Semih; Dvarionienė, Jolanta et al. Approaches to chemical alternatives assessment (CAA) for the substitution of hazardous substances in small- and medium-sized enterprises (SMEs) // Clean technologies and environmental policy. Berlin : Springer. ISSN 1618-954X. eISSN 1618-9558. 2017, vol. 19, iss. 2, p. 361-378.



- Baranauskaitė-Fedorova, Inga; Dvarionienė, Jolanta; Management of pharmaceutical substances in the environment: Lithuanian case study // Water science and technology. London : IWA Publishing. ISSN 0273-1223. eISSN 1996-9732. 2016, vol. 74, iss. 6, p. 1255-1265. DOI: 10.2166/wst.2016.289.
- Feiferytė, Aistė; Dvarionienė, Jolanta; et. al. Assessment of properties and life cycle of biosynthetic oil // Journal of cleaner production. Oxford : Elsevier. ISSN 0959-6526. eISSN 1879-1786. 2015, vol. 95, p. 281-290.
- Kruopienė, Jolita; Dvarionienė, Jolanta; et al. The use of hazardous chemical substances in Lithuanian industry: how sound is it? // Journal of cleaner production. Oxford : Elsevier Science. ISSN 0959-6526. 2014, vol. 72, p. 89-95.

Collaborations:

- World Resource Forum (Switzerland)
- University of Bordeaux (France)
- University of Bologna (Italy)
- Association of Cities and Regions for Sustainable Resource management (ACR+, Belgium)
- Turku University (Finland)
- Hamburg University of Applied Sciences (Germany)
- Swedish Environmental Research Institute (Sweden)
- Lodz University of Technology (Poland)
- Tallinn University of Technology (Estonia)
- Riga Technical University (Latvia)
- Universidad Politecnica de Madrid (UPM, Spain)
- Baltic Environmental Forum (Lithuania, Latvia, Estonia, Germany)
- Lithuanian Research Council

Facilities:

- Chemical Engineering Laboratories with the different equipment's
- Life Cycle Assessment license SimaPro 9