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| <p>name of the area:</p> <p style="text-align: center;">MANAGEMENT FOR SUSTAINABLE DEVELOPMENT</p> <p style="text-align: center;">Faculty of Organization and Management, Lodz University of Technology</p> | | <p>symbol:</p> <p style="text-align: center;">W8</p> <p>https://wzip.p.lodz.pl/en/research/research-areas/organization-management-under-sustainable-development-conditions/</p> <p>https://www.researchgate.net/project/Sustainability-Circularity-Research-Team</p> |
| <p>Coordinator of the area:</p> <p style="text-align: center;">Associate Professor Małgorzata Koszewska PhD, DA</p> | <p>potential supervisors:</p> <p>Professor Agnieszka Baruk, PhD, I83 Professor Magdalena Grębosz-Krawczyk, PhD, DSc., I83 Associate Professor Małgorzata Koszewska, PhD DA, I83 Associate Professor Andrzej Marcinkowski, PhD, DSc., I83</p> | <p>contact person:</p> <p style="text-align: center;">Associate Professor Małgorzata Koszewska PhD, DA</p> <p>malgorzata.koszewska@p.lodz.pl</p> |
| <p>scope of activities:</p> <p>Multidisciplinary studies on different aspects sustainable production and consumption in the area of management: like circular business models, consumer behaviour, sustainable value chains, product quality and safety, LCA -challenges for specific industries.</p> <ul style="list-style-type: none"> circular economy models: implementation strategies with special regard for the specificity of selected industries Consumer behaviour in the context of sustainability and circular economy Life-Cycle Assessment and Life-Cycle Costing – application in the area of management Environmental and social labels as a communication tool Human, safety and environmental factors in management Smart city in the context of sustainable development and circular economy. | | <p>graphic material</p> |
| <p>present activities:</p> <p>Project SAPIENS – Sustainability and Procurement in International, European, and National Systems, Horyzont 2020: Marie Skłodowska-Curie Actions, Research Networks: Innovative Training Networks (ITN), project coordinated by University of Turin, implemented in years: 2021-2025. Lodz University of Technology will implement the following research topics:</p> <ul style="list-style-type: none"> SAP (sustainability and procurement) tools for circular textiles: Supervisor: Małgorzata Koszewska (TUL), Co-supervisor E. Andersson (University of Copenhagen – Center for textile research) Delivering SAP through collaboration: supervisor: Rodrigo Lozano University of Gävle) Department of Engineering and Sustainable Development / Center of Logistics and Innovative Production (CLIP), co-supervisor: Małgorzata Koszewska (TUL) Advanced Training Course ATC: Sustainability in the Supply Chain (Lead: Koszewska, Lodz University of Technology; EW; OVAM), Lodz (Poland). | | |



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future activities:

Research projects in the area of management for sustainable development

Publications/patents, awards, projects:

Publications:

1. Bielawska K., Grębosz-Krawczyk M., Consumers' Choice Behaviour Toward Green Clothing, *European Research Studies Journal*, Vol. XXIV(2), 2021, pp. 238-256
2. Grębosz-Krawczyk M., Zakrzewska-Bielawska A., Glinka B., Glińska-Noweś A., Why Do Consumers Choose Photovoltaic Panels? Identification of the Factors Influencing Consumers' Choice Behavior regarding Photovoltaic Panel Installations, *Energies*, Vol. 14, 2021
3. Grębosz-Krawczyk M., Place branding (r)evolution: the management of the smart city's brand, *Place Branding and Public Diplomacy*, Vol. 17, 2021, pp. 93-104
4. Marcinkowski A., Kopania J., Environmental performance of noise reduction system in cogeneration plants – a life cycle assessment study, *Energies*, 14(5), 2021, 1324
5. Koszewska M., Rahman O., Dyczewski B., Circular Fashion – Consumers' Attitudes in Cross-National Study: Poland and Canada, *Autex Research Journal*, 20(3), 2020, pp. 327-337
6. Rahman O., Koszewska M., A study of consumer choice between sustainable and non-sustainable apparel cues in Poland, *Journal of Fashion Marketing and Management*, Vol. 24, No. 2, 2020, pp. 213-234
7. Koszewska M., Bielecki M., How to make furniture industry more circular? The role of component standardisation in ready-to-assemble furniture, *Entrepreneurship and Sustainability, Issues* 7(3), 2020, pp. 1688-1707
8. Baruk A., Multidimensional aspects of final purchasers' marketing activity in the conditions of dynamic market changes, *Folia Oeconomica Stetinensia*, vol. 20, iss. 2, 2020, pp. 36-48
9. Marcinkowski A., Gralewski J., The comparison of the environmental impact of steel and vinyl sheet piling: life cycle assessment study, *International Journal of Environmental Science and Technology*, 17(9), 2020, pp. 4019-4030
10. Baruk A., Goliszek A., A valuable natural area as a system marketing product versus expectations of tourists as active purchasers, *Acta Scientiarum Polonorum. Oeconomia*, vol. 18, 2019, no. 1, pp. 5-12
11. Grębosz-Krawczyk M., Siuda D., Attitudes of Young European Consumers Toward Recycling Campaigns of Textile Companies, *Autex Research Journal*, Vol. 19(4), 2019, pp. 394-399
12. Marcinkowski A., The Spatial Limits of Environmental Benefit of Industrial Symbiosis – Life Cycle Assessment Study, *Journal of Sustainable Development of Energy, Water and Environment Systems*, 7(3), 2019, pp. 521-538
13. Koszewska M., The role of ecolabels in creation of life-cycle criteria. The case of textile and clothing products, In *Cost and EU Public Procurement Law*, Routledge: Abingdon, Oxon, New York, NY Routledge, 2019, pp. 123–157
14. Koszewska M., Circular Economy – Challenges for the Textile and Clothing Industry, *Autex Research Journal*, 18(4), 2018, pp. 337-347
15. Goliszek A., Baruk A., Iwanicka A., Szymanowska A., Atrakcyjność turystyczna obszarów cennych przyrodniczo a poziom świadomości rynkowej i ekologicznej nabywców finalnych, *Zeszyty Naukowe Politechniki Śląskiej. Organizacja i Zarządzanie*, no. 118, 2018, pp. 159-170
16. Goliszek A., Baruk A., Iwanicka A., Szymanowska A., Aktywizacja społeczności na obszarach cennych przyrodniczo, *Wiadomości Zootechniczne*, no. 5, 2017, pp. 203-209
17. Baruk A., Iwanicka A., The effect of age, gender and level of education on the consumer's expectations towards dairy product packaging, *British Food Journal*, vol. 118, iss. 1, 2016, pp. 100-118
18. Kowalski A.M., Marcinkowski A., Clusters versus Cluster Initiatives, with Focus on the ICT Sector in Poland, *European Planning Studies*, Vol. 22, No. 1, 2014, pp. 20-45
19. Marcinkowski A., Kowalski A.M., The problem of preparation the food packaging waste for recycling in Poland, *Resources, Conservation and Recycling*, 69, 2012, pp. 10-16



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Projects:

1. Koszewska M., (project coordinator in PŁ), SAPIENS – Sustainability And Procurement in International, European, and National Systems, Horyzont 2020: Marie Skłodowska-Curie Actions, Research Networks: Innovative Training Networks (ITN), projekt koordynowany przez University of Turin, implementation period: 2021-2025, <https://sapiensnetwork.eu/>
 - SAP (sustainability and procurement) tools for circular textiles: Supervisor: Małgorzata Koszewska – PŁ, Co-supervisor E. Andersson (University of Copenhagen- Center for textile research)
 - Delivering SAP through collaboration: supervisor: Rodrigo Lozano University of Gävle) Department of Engineering and Sustainable Develop. / Center of Logistics and Innovative Production (CLIP), co-supervisor: Małgorzata Koszewska – PŁ.
2. Koszewska M., (project coordinator), Visegrad Strategic Grant Prospects of the Visegrad cooperation in promoting a sustainable consumption and production model, Visegrad Fund, No. 31410066, implementation period: 2014-2016.
3. Baruk A., (member of the team carrying out a task in the field of marketing), project “The uses and the conservation of farm animal genetic resources under sustainable development”, no. 297267, National Centre for Research and Development (NCBiR), program BIOSTARTEG II, implementation period: 2016-2019.
4. Baruk A., (project manager), research project „Prosumption as a form of shaping relations with the final purchaser - a model approach”, no. UMO-2013/11/B/HS4/00430, National Science Center (NCN), implementation period: 2014-2017.
5. Grębosz-Krawczyk M. (manager), international project „Place branding (r)evolution – the management of the smart city brand”, no. PPN/BEK/2018/1/00154/DEC/1, National Agency for Academic Exchange (NAWA), Bekker`s Program, 2019.
6. Marcinkowski A., (manager), project „Life cycle assessment of selected objects”, financed by the statutory activity of the Faculty of Management and Production Engineering of the Lodz University of Technology, implementation period: 2018-2020.
7. Marcinkowski A., (manager), project „Life cycle assessment of ground heat exchangers”, financed by the statutory activity of the Faculty of Organization and Management of the Lodz University of Technology, implementation period: 2013-2017.
8. Marcinkowski A., (manager), project „Sustainable resource management”, financed by the statutory activity of the Faculty of Organization and Management of the Lodz University of Technology, implementation period: 2011-2012.
9. Marcinkowski A., (country leader), international project „Material, energy and water management in industrial parks: industrial symbiosis”, financed by the Flemish Government, implementation period: 2009-2011.
10. Marcinkowski A., (contractor), research and development project „Study on organizational and technical conditions of creating symbiotic relationships in industrial parks in Poland. Designing eco-industrial parks”, no. R11 019 02, Ministry of Science and Higher Education (MNiSW), implementation period: 2007-2009.

keywords:

circular economy, business models, sustainable development, LCA, consumer behaviour, brand management

list of internship proposal in this research team:

1. Prosumeric behaviours related to environmentally friendly products.
2. Purchase behaviours related to environmentally friendly products.



3. Creating the image of a smart city in the context of sustainable development.
4. Life cycle assessment of the system for collection and disposal of waste packaging.
5. Consumer behaviour in the context of circular economy – cross national perspective.