

Curriculum vitae

Personal data

First name	Balazs
Surname	SARA
Date and place of birth	15/05/1974 – Esztergom, Hungary
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Education

1992-1997	Technical University of Budapest <ul style="list-style-type: none">▪ Master of Sciences in Bioengineering, specialization: Environment▪ Bachelor of Sciences in Chemical Engineering
1997-1998	participation in postgraduate courses on Environmental Management, Environmental Technologies and Economics, Social Ecology

Working experience

2018-	independent expert	life cycle specialist , consultant and reviewer of LCA/EPD/CFP/LCA-Tool
2020-	ICMQ SpA (Milano, Italy)	verifier of EPD/CFP/LCA-Tool, EPDItaly technical expert, PCR reviewer
2010-	European Commission (Brussels)	expert evaluator and reviewer of EU funded proposals and projects
2011-2014	PE INTERNATIONAL Italy Srl - Experts in Sustainability Performance (currently Sphera, Ravenna, Italy)	technical director, senior consultant on LCA /EPD/CFP; GaBi trainer
2000-2011	FEBE ECOLOGIC - Association of Environmental Consulting and Training (Ravenna, Italy)	founder, manager and consultant on LCA /EPD/CFP, GaBi sales partner and trainer
1998-1999	ENEA - Italian National Agency for New technologies, Energy and the Environment (Bologna, Italy)	researcher at LCA&Ecodesign working group
1997-1998	University of Bologna - Faculty of Environmental Sciences (Bologna, Italy)	researcher on LCA

Language skills

English – fluent	Italian – fluent	Spanish – satisfactory	Hungarian – native
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Computer skills

software systems for product sustainability performance assessment: **advanced user of LCA for Experts** (GaBi), **openLCA**, **ecoinvent**, experience with **Simapro** and **OneClickLCA**; daily working use of computer (Windows, Microsoft Office, Internet)

Technical skills

Consulting, training and research fields:

LCA-life cycle assessment (ISO 14040/44), **EPD**-environmental product declarations (ISO 14025, EN 15804, EN 50693), **CFP**-carbon footprint of products (ISO 14067), **LCA-Tool**-development of tools and databases for LCA/EPD/ecodesign, **PEF**-product environmental footprint (PEF), **LCC**-life cycle costing,

Reference industry sectors and product categories (with selected examples):

Construction	cement production, cement-based adhesives, concrete products, ceramic tiles, wood windows, metal products, buildings, demolition technologies;
Electronics	transformers, circuit breakers, pumps, cooker hood, energy storage systems;
Automotive and railway	electronic components, braking systems,
Rubber and tyre	rubber hoses, car tyre, tractor tyre;
Chemicals	fertilizers, detergents; polyolefin foams, petroleum derivatives,
Packaging	packaging of vegetable oil, fruits and vegetables, beverages;
Food	pasta, olive oil, butter, chicken meat;
Waste management	municipal waste, sewage sludge, waste oil, waste tyre, demolition waste;
Furniture	particleboard, high pressure laminate, kitchen/school/office furniture, children's playground;
Textile finishing	pretreatment, dyeing, printing, finishing technologies;
Sanitary products	diapers;
Service industry	cleaning technologies of hospitals, transport logistics, tourism, education

Other selected references:

ECO Platform	auditor of EPD program operators (2022-)
LCA Center Association	founder, member, expert (2008-)
International Training Centre	trainer of ITCILO, agency of UN ILO (2022)
International Trade Centre	consultant at ITC, agency of United Nations and WTO (2008)
Institute of Artistic Industry (ISIA)	teacher of environmental assessment and ecodesign of products (2003-2007)
European projects	participation as partner or expert in various EU-wide projects, funded by the European Commission (2000-2021)
Academy sector	collaborations with numerous universities in Italy, Hungary and Germany (2000-2025)

Selected publications:

- István, Zs., Sára, B.: Technological-, environmental- and cost assessment of circular economy solution with life cycle approach, *ECO-Matrix*, 2018/1-2. (in Hungarian)
- Franchetti, S., Sára, B., Volta, M.: Ecodesign tool development for cleaning services based on LCA, *Appalti di servizi e criteri ambientali*, Tangram Edizioni Scientifiche, p. 171. (in Italian)
- Sára, B.: Products and sustainability on a planet of 7 billion inhabitants, *Yearbook of Plastic- and Rubber Industry*, Hungary, 109-112, 2012. (in Hungarian)
- Peacock, N., Sára, B. et al: Towards a harmonised framework methodology for the environmental assessment of food and drink products, *International Journal of LCA* 16: 189-197, 2011.
- De Mastro, G., Zamagni, E., Fraternali, L., Sára, B., Scimia, E.: Comparative LCA of incineration technologies at Ravenna and Coriano plants of HERA S.p.A., *ECOMONDO-Atti dei seminari*, Maggioli Editori. 2009. (in Italian)
- Sára, B., Scimia, E., Conti, G., Gemini, M.: EPD certifications in the wood-furniture sector: synergies within the supply chain, *ECOMONDO-Atti dei seminari*, Maggioli Editori. 2007. (in Italian)
- Scimia, E., Sára, B., E. Coppola: EPD certification in the agriculture: the organo-mineral fertilizers, *ECOMONDO-Atti dei seminari*, Maggioli Editori. 2007. (in Italian)
- Sára B., Scimia E., Cappellaro F., Maccallini V., Masoni P.: Life Cycle Assessment of an innovative Uninterruptible Power Supply system to investigate on environmental performance, *Going Green CARE INNOVATION 2006*, Sixth International Symposium and Exhibition, Vienna-Austria, 13-16 November 2006.
- Sára, B., Conti, G., Colombo, L., Scimia, E.: Life Cycle Assessment and Environmental Product Declaration experience of a medium sized wood particleboard producer, *12th SETAC Europe LCA Case Studies Symposium*, Bologna, 2005.
- Masoni, P., Sára, B., Bianconi, P., Marani, S., Raggi, A.: Adoption of Life Cycle Assessment in Small- and Medium-sized Enterprises in Italy, *International Journal of Management Literature*, Vol. 1, No. 2, 2001.
- Sára, B., Antonini, E., Tarantini, M.: Application of Life Cycle Assessment methodology for valorization of building demolition wastes, *Proceedings of SPIE - Environmentally Conscious Manufacturing*, Boston, Vol. 4193, 2000.