

**Edita BALTRĖNAITĖ-GEDIENĖ**, Doctor of Sciences in the Scientific Field of Environmental Engineering and Landscape Management, Professor in Vilnius Gediminas Technical University of the Department of Environmental Protection and Water Engineering, senior researcher at the Institute of Environmental Protection in Vilnius Gediminas Technical University, scientific leader of the Laboratory of Biochar Environmental Technologies, Member of the Committee of Natural and Technical at the Research Council of Lithuania (2021–2026), member of VGTU Senate (since 2022).

She obtained the diploma of Bachelor and international (in English) Master of Sciences at Vilnius Gediminas Technical University. In 2007, she defended a thesis named *Investigation and Evaluation of the Transfer of Heavy metals from Soil to the Tree*. Since 2020 she is the advisory editor and in 2007–2020 – a scientific secretary of the Journal of Environmental Engineering and Landscape Management; advisory editor of the Journal of Environmental Modelling and Assessment, Editorial Board member of the Journal published by Romanian Academy of Science; *International Journal of Environmental Engineering and Ecological Science, Annals – Series on Chemistry Sciences*, a member of EISN-Institute, Society of Ecological Restoration (SER, USA), NJF, expert for EU Assembly for Climate Neutral and Smart Cities, in 2017 appointed to the Agricultural and Biological Science Editorial Advisory Group at Cambridge Scholars Publishing; Senior member of Hong Kong Chemical, Biological and Environmental Engineering Society (HKCBEEES); member of Vilnius International Rotary Club; Chair of selection committee for Dr Arūnas and Irena Draugeliai grant for environmental engineering students at Vilnius Gediminas Technical University, founder and selection committee member for Prof Pranas Baltrėnas award; expert for Lithuanian Center for Quality Assurance in Higher Education.

Edita delivers lectures Master's degree students about environmental protection technologies, anthropogenic impact on the environment, waste utilization, soil recovery technologies, clean technologies, and soil remediation technologies and supervises doctoral students. She is also a member of the Committee for the research area of Environmental Engineering and a head/member of the committees for seven defended theses.

Edita was a supervisor of studies of 1 doctoral student from Italy, 24 bachelor's and 12 Master's degree students, and two postdoctoral and nine student trainees from Lithuania, Belgium, Finland, and Italy, supervising three doctoral students. She also delivers lectures at Helsinki University (Finland), Norwegian University of Life Sciences, Valencia Polytechnic University (Spain), Aalto University (Finland), and Southern Denmark University. She paid research visits to the Norwegian University of Life Sciences, Slovenian Research Institute after Joseph Stephan, and the Latvian State Wood Chemistry Institute. She maintains close contacts and cooperates with other high schools in Europe and other countries of the world, such as the Chinese Academy of Science (Institute of Urban Environment), Hyderabad University (India), KU Leuven University (Belgium), UNESCO-IHE (the Netherlands), the State Montclair University (USA), Swiss Federal Technological Institute in Zurich, Illinois Institute of Technology (USA), Helsinki University (Finland), The State Tomsk University (Russia), Barcelona University (Spain) and Ancona University (Italy).

The author of 102 papers (76 of which are published in the Web of Science refereed journals have the citation index), scientific committee member of 3 international conferences in Australia, Poland, and Turkey, chairperson in 5 international conferences, participant of more than 20 international conferences; 3 oral presentations in international conferences in USA, China, Poland; the author/co-author of the monographs *Sustainable environmental protection technologies. Contaminant biofiltration, adsorption, and stabilization* (Springer 2020), *Small Bioreactors for Management of Biodegradable Waste* (Springer, 2018), *The Sustainable Role of the Tree in Environmental Protection Technologies* (Springer, 2016), *Tvarus medžio vaidmuo aplinkos apsaugos technologijose* (in Lithuanian) (Vilnius: Technika, 2016); 2 EU patent, 5 Lithuanian patents; the textbook *Manufacturing Industries and Environmental Impact*, three chapters in the books: *Phytoremediation: Management of Environmental Contaminants; Plants, Pollutants and Remediation* published by Springer. One of the editors of the special issue on „Biochar as an option for sustainable resource management (EU COST Action TD1107 final publication 2017) in the „Journal of Environmental Engineering and Landscape Management“; board member of 15 Ph.D. student defenses, 1 graduated doctor in cooperation with Italian Delle Marche university; supervisor of 2 Ph.D. students, two post-doctoral students and nine trainees from Finland, Italy, Belgium, Lithuania; member of 2 VGTU competence centres.

Edita Baltrėnaitė-Gedienė, with co-author Pranas Baltrėnas, was awarded the first prize for the monograph *Small bioreactors for management of biodegradable waste* in the monograph contest organized by Vilnius Gediminas Technical University, March 2021. Edita Baltrėnaitė, with two co-authors – Arvydas Lietuvninkas

and Pranas Baltrėnas – was awarded the third prize for the monograph *The Sustainable Role of the Tree in Environmental Protection Technologies* in the monograph contest organized by Vilnius Gediminas Technical University, March 2018. In 2013–2014, Edita Baltrėnaitė was granted a young researcher grant for the work *The Evaluation of heavy metals' stability in biochar* and, in 2007, a prize for the work *Investigation and Evaluation of the Transfer of Heavy Metals from Soil to the Tree* by the Lithuanian Academy of Sciences.

Areas of interest include applying biogeochemical processes to environmental protection technologies, evaluating metals' transportation in the ecosphere and thermal processing, and applying lignocellulosic products in environmental protection engineering.

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