


CONTACTS




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 Kamýcká 129, Prague, 165 00,
Czech Republic

Doc. Ing. Hynek Roubík, Ph.D.

[BIORESOURCES & TECHNOLOGY DIVISION](#)/[RESEARCHGATE](#)/[GOOGLE SCHOLAR](#)/[FTZ](#)

RESEARCH EXPERIENCE

- 2024-2028** **Coordinator** of the Horizon Europe project: Mobilising Investments for Protecting and Restoring Biodiversity by Harnessing Innovative Financial Solutions and Advanced Geospatial Analytics (BIO-CAPITAL)
- 2024-2026** **Coordinator and WP leader** (from CZU) in Horizon Europe project: Combined Use of EGNSS and Copernicus Data to Develop Innovative Downstream Services for the Users from Chile and Colombia (COMUNIDAD)
- 2024-2026** **Expert** in Horizon Europe project: BOOST4BIOEAST.
- 2024** **Coordinator** (from CZU) in UNDP Challenge fund – Cambodia (V-Soil)
- 2023-2025** **Expert** in Jean Monnet Centre of Excellence project: Centre of Excellence "European Studies of Social Innovation in Education" (ESSIE)
- 2023-2026** **Expert** in Iterreg project: Circular BioEconomy Market Uptake and Policy Support in Central Europe (BIOECO-UP).
- 2023-2027** **Coordinator** (from CZU) in Erasmus CBHE project: Universities – Communities: strengthening Cooperation (UNICOM)
- 2023-2026** **WP leader** (from CZU) in Horizon Europe project: Open Science to Increase Reproducibility in Science (OSIRIS)
- 2022-2025** **Coordinator** (from CZU) and **Scientific expert** of ERA-MIN project (pan-European network of research funding organisations, supported by EU Horizon 2020) called: Phosphogypsum Processing to Critical Raw Materials
- 2022-2025** **Expert** in Horizon Europe project: Empowering the Central and Eastern European Countries and beyond to Develop Bioeconomy Strategies and Action Plans (CEE2ACT)
- 2021-2024** **Scientific leader** of CZU team in a Czech Republic Development Cooperation project called: Through Biogas Technology Towards Higher Resilience of Communities in Western Province of Zambia

CURRENT EMPLOYMENT

Vice-dean for Science, Research and Doctoral Study

[Faculty of Tropical AgriSciences \(CZU\)](#)

Associate professor

[Faculty of Tropical AgriSciences \(CZU\)](#)

Director

[BioResources & Technology Division at FTZ/CZU](#)

Leader and Co-author

[CZU mobiLAB](#)




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- 2021-2024** **Coordinator** (from CZU) in KA220-HED project (Cooperation partnerships in higher education) called: Structural Capacities for Tackling Wicked Problems

- 2021-2022** **Expert member** of Czech Republic Development cooperation project: Publication and Research Activities Development for Education in Life Sciences at Hawassa University

- 2020-2021** **Coordinator** (from CZU) and **Expert member** of Czech Development Agency project: Prevention of Covid-19 Proliferation and Increasing Resilience of Local Communities to Impacts of the Pandemics in Shabelle Zone in Ethiopia

- 2020-2021** **Coordinator** (from CZU) and **Expert member** of Czech Development Agency project: Prevention of Covid-19 Proliferation in Exposed Locations and Increasing the Resilience of Local Communities in Zambia (CORE4)

- 2020-2021** **Coordinator and Expert member** of UNDP project: Turning wine waste into profit: possibilities of the Moldavian wine industry

- 2020** **Expert on demand** for UNDP: Reducing Food Waste in Bosnia and Herzegovina

- 2020-2021** **Coordinator and Expert member** of Czech Republic Development cooperation project: “AgriSciences Platform for Scientific Enhancement of HEIs in Ukraine”

- 2019-2021** **Expert member** of Vietnamese National Foundation for Science and Technology Development (NAFOSTED): “Effects of biochar produced from different tropical biomass sources and at different process temperatures on in vitro rumen fermentation and methane production”

- 2019-2021** **Expert member** of Czech Republic Development cooperation project: “Interuniversity cooperation as a tool for enhancement of quality of selected universities in Ukraine”

- 2019** **Expert member** of International Investment Bank project under ENVIROS Implementation entitled: “Provision of technical assistance to IMAO electric, s.r.o. in relation to the installation of biomass power plants in the Thua Thien Hue province, Vietnam”

- 2019** **Expert member** of Czech Republic Development cooperation project: “Support of young university capacity in education and research and science activities in Ukraine”

- 2019** **Expert member** of IGA project at FTA: “Challenges for Agenda 2030 – No one is left behind in rural areas of developing countries”



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- 2016-2018** **Principal investigator** of Internal Grant Agency (IGA) project at CZU Prague: “Do small-scale biogas plants use their emission reduction potential? Case study in central Vietnam” (9 project members)
- 2018-2019** **Expert member** of IGA project at CZU Prague: “Analysis of the Economic and Social Impact of Newly Created Farmers’ Groups in EU Eastern Partnership European Countries”
- 2017-2018** **Expert member** of IGA project at CZU Prague: “Development and verification of manual low- and medium-pressure briquetting presses and comparative analyses of produced briquettes (with particular Southeast Asia)”
- 2017-2018** **Expert member** of the Czech Republic Development cooperation project: “Strengthening of capacity building in quality assurance and science at SNAU and SSU”
- 2017** **Expert member** of IGA project at FTA: “Towards Agenda 2030 – Inclusive Transformation of Rural Areas, case studies in selected countries”
- 2016** **Expert member** of IGA project at FTA: “Technological, Economic and Social Aspects of Rural Development in Developing World”
- 2015-2016** **Expert member** of the Czech Republic Development cooperation project: “Support of the harmonization of the Bologna system of higher education system of agricultural universities in Ukraine 2015-2016; 2017-2018”
- 2015** **Expert member** of IGA project at FTA: “Cooperatives as the Empowering Tool for Development of Rural Communities in the Global South”
- 2014** **Expert member** of IGA project at FTA: “Analysis of Institutional, Educational and Technological Measures in Family Farming Leading to Sustainable Rural Development in selected regions of the Global South”
- 2014** **Researcher** for People in Need project: “Promoting Renewable Energy as a Driver for Sustainable Development and Mitigation of Climate Change in Sri Lanka” (funded by European Commission)
- 2013** **Member** of IGA project at FTA: “Optimization of digestate utilization from home anaerobic digesters in SE Asia”
- 2012-2013** **Assistant** of the project team: “Renewable Energy Resources for Rural Areas in Thua-Thien Hue Province, Vietnam” (funded by Czech Development Agency)



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ACADEMIC EXPERIENCE & MEMBERSHIPS


- 2024 – Present** Member of the **Scientific Board** of the Czech University of Life Sciences Prague
- 2024 – Present** Member of the **Scientific Board** of the Faculty of Agrobiolology, Food and Natural Resources
- 2024 – Present** Member of the **Scientific Board** of the Faculty of Tropical AgriSciences
- 2023 – Present** Member of the informal **Advisory board** to the Czech Minister of Science
- 2022 – Present** Member of **ATSAF** (Council for Tropical and Subtropical Agricultural Research)
- 2022 – Present** Member of **Council for Sustainable Development** of CZU
- 2022 – Present** Member of **Doctoral Degree Board** for CZU programme Sustainable Rural Development
- 2020 – Present** Member of **Platform for Bioeconomy** of the Czech Republic
- 2020 – Present** Member of **ECPR Standing Group** on Environmental Politics
- 2019 – Present** Member of **Czech Academy of Agricultural Sciences**, Department of Agricultural Engineering, Energy and Construction
- 2019 – Present** Member of **working group Bioeconomy** within the Ministry of Agriculture
- 2014 – 2017** The **Council of Higher Education Institutions** of the Czech Republic (HEIs)
- 2015 – 2016**
- 2015 – 2016**
- Vice-chairman of the **Council of HEIs** (1.5 years)
 - Chairman of **Student Chamber of Council** of HEIs (1.5 years)
- The Council of HEIs of the Czech Republic is a representative body of higher education institutions. It has been established as a result of a common agreement of all higher education institutions in the Czech Republic, and its status is based on Act No. 111/1998 Coll. (the Higher Education Act of the Czech Republic, Article 92).
- 2016 – 2019** Member of the **Ethical Committee** of the Czech University of Life Sciences in Prague
- 2013 – 2018** **Academic senator** of the Czech University of Life Sciences in Prague (in the Bureau since 2017)
- 2013 – 2018** **Academic senator** of the Faculty of Tropical AgriSciences
- 2013 – 2019** Member of **disciplinary committee** at Faculty of Tropical AgriSciences




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ACTIVE ADVISORY, REVIEW AND EVALUATION BOARDS

2023 - Present **Editorial Board Member** of Biosystems Diversity (WoS, Scopus)

Editorial Board Member of Frontiers in Public Health (Health Policy) (WoS, Scopus)

Member of Council for Sustainable Development at CZU Prague

2022 - Present **Editorial Board Member** of Humanities and Social Sciences Communications (WoS, Scopus)

2021 - Present **Editorial Board Member** of Agrobiology

2020 - Present **Editorial Board Member** of Bulletin of Sumy National Agrarian University. The series: Mechanization and Automation of Production Processes

Topic Board Member of Environments (ESCI, Scopus indexed)

Reviewer Board of Agronomy (WoS, Scopus indexed)

Editorial Board Member of Asian Journal of Agriculture and Rural Development (Scopus indexed)

Expert evaluator of Technology Agency of the Czech Republic

2019 - Present **Associate editor** of Scientia Agriculturae Bohemica (Scopus indexed)

2018 - Present **Editorial Board Member** at the Journal of Vietnamese Environment

2016 - Present **Editorial Board Member** of Journal of Ecological Engineering (ESCI, Scopus indexed)

2014 - Present **Reviewer** for multiple peer-reviewed conferences & journals:

Virtual Multidisciplinary Conference (QUASTI), Virtual International Conference on Advanced Research in Scientific Areas (ARSA), International Virtual Research Conference in Technical Disciplines (RCITD), Electronic Interdisciplinary Conference (EIIIC), The Efficiency and Responsibility in Education Conference (ERIE), International Virtual Conference on Advanced Scientific Results (SCIECONF), Human and Social Sciences at the Common Conference (HASSACC) & over 300 reviews for various journals.

PAST ADVISORY, REVIEW AND EVALUATION BOARDS

2021 - 2023 **Expert evaluator** of projects for EACEA

The Education, Audiovisual and Culture Executive Agency of the European Commission Evaluated projects with budget of up to 1,000,000 €

2019 - 2020 **Guest editor** for special issue “Energy Efficiency, Renewable Energy and Climate Change” at International Journal of Global Energy Issues journal (Scopus indexed)

2018 - 2019 **Board member** of an Erasmus+ for the Czech Republic


2015 - 2016 **Member of expert panel** in biotechnical sciences of re-accreditation of doctoral study programmes in Croatia coordinated by the Agency for Science and Higher Education (ASHE)



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- 2016** **Expert evaluator** of Erasmus+ projects for the Czech National Agency
The Education, Audiovisual and Culture Executive Agency of the European Commission
Since 2014 over 80 evaluated projects with budget from 3,000 € up to 250,000 €
- 2014** **Member of the advisory board** at the 2014 International School Leadership Summit

AWARDS

- 2023** Dean's Award for the best publication output and science popularization of 2022
- 2022** Award of 1st "Roubik award" for contribution to the sustainability issues from BeFair
- 2018** Award of Professor Julius Stoklasa
- 2018** Award of Ministry of Agriculture
- 2018** Award for best publication output among PhD students
- 2017** Award of Hlávka Foundation for the contribution to the science
- 2017** Award for best publication output among PhD students

RELEVANT CONFERENCES, TRAINING COURSES AND WORKSHOPS


- 2023** **Plenary speech** at the "4th Multidisciplinary Conference for Young Researchers (CZU, Prague, October 5-6., 2023), *Czechia*
- 2021** **Plenary speech** at the "2nd Multidisciplinary Conference for Young Researchers" (SSU, Sumy, November 29-30, 2021), *Ukraine*
- 2017** **Plenary speech** at the "Economic, Legal and Social Problems of Modern Development – 2017 (ATSU, Kutaisi, September 29-30, 2017), *Georgia*
- Invited lecture** at "Current challenges of improvement of quality assurance systems in Higher Education Institutions" (Tashkent, September 5-7, 2017), *Uzbekistan*
- 2015** Youth Empowerment & Participation, a **training course** in *Armenia*
- FAIR Trade & Friends **invited a speaker** about Examples of good practice in an Academic environment. *Dortmund, Germany*
- Ministerial **Conference** and 4th Bologna Policy Forum in *Yerevan, Armenia*:
Member of Czech ministerial delegation as representative of Czech Higher Education Institutions
- 2014** Media **Bootcamp II** *Economia 2014*
- Minimum of Personal Safety & Security for travellers, **training** in *Czech Republic*
- Training** based on international standards ECHO and InterAction under Salanga supervision.
FIRST AID course and practice (finished with certificate valid until 2016)
- 1st **conference** on Citizen Initiatives for Global Solidarity (CIGS) in *Brussels, Belgium*:
"Mobilizing European Citizens for Global Development"



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- 2012** Act locally – Sustainable Development and Young People, **training** course in Macedonia
Bio-digesters in Developing Countries: Experiences from Asia and Africa, **workshop** from SNV Netherland
Preserving the Oral History **training** course in Georgia
- 2011** Protected area by youth: Tradition for the future, **training** course in Slovenia

ADDITIONAL EXPERIENCES

- 2020** Co-author of [CZU mobiLAB Solutions](#)
- 2014-2015** **Redactor** at the Economist (Czech weekly magazine-format newspaper)
- 2012-2015** **President** and Founder of BeFair na ČZU
BeFair na ČZU is a student organization which supports ethically traded products that give us confidence that in their manufacture, there are no violations of human and labour rights, children's rights and irreversible environmental damage. We want to lead by example in socially conscious behaviour and promote public awareness of development issues.
- 2011-2013** **Language tutor** at LINX Language Institute
- 2010-2011** **Talent Management Manager** in AISEC ČZU
AISEC is an international not-for-profit organization that provides students with leadership training and internship opportunities at for-profit and not-for-profit organizations.

FOREIGN PLACEMENTS (RESEARCH STAYS)

- 2023** **Vietnam** – 2 weeks stay; **Zambia** – 4 weeks stay; **Ethiopia** – 2 weeks stay; **Georgia** – 2 weeks stay
- 2022** **Vietnam** – 2 weeks stay; **Zambia** – 4 weeks stay; **Syria** – 1 week stay; **Ethiopia** – 2 weeks stay
- 2021** **Ukraine** – 3 weeks stay
- 2019** **Vietnam** – 1 month stay; **Indonesia** – 1 month stay; **Ukraine** – 1 month stay
- 2018** **Vietnam, Cambodia** - 1 month research stay
- 2016-2017** **Vietnam** - 6 months research stay at Hue University of Agriculture and Forestry
- 2016** **Vietnam** – 1 month research stay
- 2016** **Indonesia** – 2 months research stay at Institut Teknologi Del
- 2014** **Sri Lanka** – 1 month research stay
- 2013** **Vietnam** – 1 month research stay
- 2012** **Vietnam** – 3 months research stay



LANGUAGE SKILLS

Czech - Native speaker
English- C2 English (Proficient)
Russian - A2
German - A2
Spanish - A1



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EDUCATION

2021

Associate Professorship (Docent) in Tropical agriculture and ecology

Faculty of Tropical AgriSciences (FTA), Czech University of Life Sciences, Prague

Year of Graduation: 2021

- Habilitation: *"Small-scale Biogas Technology as an effective tool for climate change mitigation in developing countries"*

2015-2018

Ph.D. in Sustainable Rural Development in the Tropics and Subtropics

Faculty of Tropical AgriSciences (FTA), Czech University of Life Sciences, Prague

Year of Graduation: 2018

- Thesis: *"Small-scale biogas technology in Southeast Asian countries: current state, bottlenecks and perspectives"*
- Supervisor: Professor Jan Banout,
Co-supervisor: Dr. Jana Mazancová

2013-2015

Master of Science in Sustainable Rural Development in the Tropics and Subtropics

Faculty of Tropical AgriSciences (FTA), Czech University of Life Sciences, Prague

Year of Graduation: 2015

- Thesis: *"Analysis of possibilities of digestate management in Thua Thien Hué Province"*
- Supervisor: Dr. Jana Mazancová

2010-2013

Bachelor of Science in Sustainable Development in Tropics and Subtropics

Faculty of Tropical AgriSciences (FTA), Czech University of Life Sciences, Prague

Thesis: *"Analysis of possibilities of digestate management in Thua Thien Hué Province"*

Supervisor: Dr. Jana Mazancová

RELEVANT SCIENTIFIC PUBLICATIONS (PEER REVIEWED)

2024

Bercy, A., & **Roubík, H.** (2024). A call for modernisation of science, the case of an anaerobic digestion: A scoping review. *Energy Conversion and Management*, 316, 118816. (IF-9.9; D1)

Ketuama, C. T., & **Roubík, H.** (2024). Economic viability and factors affecting farmers' willingness to pay for adopting small-scale biogas plants in rural areas of Cameroon. *Renewable Energy*, 120895. (IF-9.0; Q1)

Ningsih, L. M., Hasanudin, U., & **Roubík, H.** (2024). Acclimatisation Process of Biogas Production from Tofu Industrial Wastewater Using Biofilter in Anaerobic Baffled Reactor (ABR). *Renewable Energy*, 121519. (IF-9.0; Q1)

Chernysh, Y., Stejskalová, L., Soldán, P., Lai, F. Y., Khan, U. A., Lundborg, C. S., ... & **Roubík, H.** (2024). Risk Assessment as a Tool to Improve Water Resource Management. *Water Resources Management*, 1-17. (IF-3.9; Q1)

Hruška, A., Soukupová, J., Foltýn, I., Mrháčková, I., Pilař, L., & **Roubík, H.** (2024). The establishment of an optimised rationing system for crisis driven food insecurity, the case of Czechia. *Environment, Development and Sustainability*, 1-16. (IF-4.7; Q2)

Staš, J., Houdkova, M., Banout, J., Duque-Dussán, E., **Roubík, H.**, Kokoska, L. (2024). Adaptation and Validation of a Modified Broth Microdilution Method for Screening the Anti-Yeast Activity of Plant Phenolics in Apple and Orange Juice Models. *Life*, 14(8), 938. (IF-3.2; Q1)

Chernysh, Y., Chubur, V., **Roubík, H.** (2024). Advancing circular bioeconomy: trends, clusters, and roadmaps in biofuel production and waste valorisation. *Agronomy Research* 22. (SJR)

Boyko, O. O., Hapich, H. V., Mylostyvyi, R. V., Izhboldina, O. O., Chernysh, Y., Chubur, V., **Roubík, H.**, Brygadyrenko, V. V. (2024). Recycling and decontamination of organic waste in Ukraine: Current state, technologies and prospects for the biogas industry. *Biosystems Diversity*, 32(2), 260-269. (O.7; Q4)

Chubur, V., Hasan, G., Kára, J., Hanzlíková, I., Chernysh, Y., Sedláček, J., Wang, J. and **Roubík, H.** (2024), Utilization of citrus, date, and jujube substrates for anaerobic digestion processes. *Biofuels, Bioprod. Bioref.* (IF-3.2; Q2)

Boyko, O., Brygadyrenko, V., Chernysh, Y., Chubur, V., **Roubík, H.** Possibilities of decontaminating organic waste from swine-farming complexes using anaerobic digestion. *Biomass Conv. Bioref.* (2024). (IF-3.5; Q2)

Hapich, H., Novitskyi, R., Onopriienko, D., Dent, D., & **Roubík, H.** (2024). Water security consequences of the Russia-Ukraine war and the post-war outlook. *Water Security*, 21, 100167. (SJR)


Chernysh, Y., Chubur, V., Ablieieva, I., Skvortsova, P., Yakhnenko, O., Skydanenko, M., Plyatsuk, L., **Roubík, H.*** (2024). Soil Contamination by Heavy Metals and Radionuclides and Related Bioremediation Techniques: A Review. *Soil Systems*, 8(2), 36. (IF-2.9; Q2)



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Onopriienko, D., Makarova, T., Hapich, H., Chernysh, Y., & **Roubík, H.***, 2024. Agroecological Transformation in the Salt Composition of Soil under the Phosphogypsum Influence on Irrigated Lands in Ukraine. *Agriculture*, 14(3), 408. (IF-3.3; Q1)

Brunerová, A., Brožek, M., Van Dung, D., Hasanudin, U., Iryani, D. A., Chaloupková, V., & **Roubík, H.***, 2024. Manual wooden low-pressure briquetting press: An alternative technology of waste biomass utilisation in developing countries of Southeast Asia. *Journal of Cleaner Production*, 140624. (IF-11.1; Q1)

Dudin, V., Polehenka, M., Tkalich, O., Pavlychenko, A., Hapich, H.*, **Roubík, H.**, 2024. Ecological and economic assessment of the effectiveness of implementing bioenergy technologies in the conditions of post-war recovery of Ukraine. *Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu* 2024 (1), 203–208. (SJR)

Chernysh, Y., Chubur, V., & **Roubík, H.*** 2024. Environmental Aspects of Biogas Production. *Biogas Plants: Waste Management, Energy Production and Carbon Footprint Reduction*, 155-177. (Book chapter)

2023

Roubík, H.*, Lošťák, M., Ketuama, C.T., Soukupová, J., Procházka, P., Hruška, A., Hakl, J., Páček, L., Karlík, P., Kocmánková Menšíková L., Jurasová, V., Amarachi Ogbu, Ch., and Hejčman, M., 2023. COVID-19 crisis interlinkage with past pandemics and their effects on food security. *Global Health* 19, 52.(IF.10.8; D1)

Wang, J., Huang, Z., Jiang, Q., **Roubík, H.**, Xu, Q., Gharsallaoui, A., Cai, M., Yang, K., & Sun, P. (2023). Fungal solid-state fermentation of crops and their by-products to obtain protein resources: The next frontier of food industry. *Trends in Food Science & Technology*, 138, 628–644. (IF-15.3; D1)

C.A. Ogbu, T.A. Ivanova, T.A. Ewemoje, Okolie, Ch.O., **Roubík, H.**, 2023. Technoeconomic analysis of electricity generation from household sewage sludge in different regions of Nigeria. *Science of the Total Environment*. (IF-9.8; Q1)

Bilal, E., Bellefqih, H., Bourgier, V., Mazouz, H., Dumitraş, D., Bard, F., Laborde, M., Caspar, J. P., Guilhot, B., Iatan, E., Bounakhla, M., Iancu, M. A., Marincea, Ş., Essakhraoui, M., Li, B., Diwa, R. R., Ramirez, J. D., Chernysh, Y., Chubur, V., **Roubík, H.**, Haneklaus, N. (2023). Phosphogypsum circular economy considerations: A critical review from more than 65 storage sites worldwide. *Journal of Cleaner Production*, 414, 137561. (IF-11.1; Q1)

Roubík, H.*, Lošťák, M., Ketuama, C.T., Soukupová, J., Procházka, P., Hruška, A., Hakl, J., Páček, L., Karlík, P., Kocmánková Menšíková L., Jurasová, V., Amarachi Ogbu, Ch., and Hejčman, M., 2023. COVID-19 crisis interlinkage with past pandemics and their effects on food security. *Global Health* 19, 52.(IF.10.8; D1)


Wang, J., Huang, Z., Jiang, Q., **Roubík, H.**, Xu, Q., Gharsallaoui, A., Cai, M., Yang, K., & Sun, P. (2023). Fungal solid-state fermentation of crops and their by-products to obtain protein resources: The next frontier of food industry. *Trends in Food Science & Technology*, 138, 628–644. (IF-15.3; D1)



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Bilal, E., Bellefqih, H., Bourgier, V., Mazouz, H., Dumitraş, D., Bard, F., Laborde, M., Caspar, J. P., Guilhot, B., Iatan, E., Bounakhla, M., Iancu, M. A., Marincea, Ş., Essakhraoui, M., Li, B., Diwa, R. R., Ramirez, J. D., Chernysh, Y., Chubur, V., **Roubík, H.**, Haneklaus, N. (2023). Phosphogypsum circular economy considerations: A critical review from more than 65 storage sites worldwide. *Journal of Cleaner Production*, 414, 137561. (IF-11.1; Q1)

Fitri, H., Gürdil, G. A., Demirel, B., Cevher, E. Y., & **Roubík, H.***, 2023. Biomass potential from agricultural residues for energy utilization in West Nusa Tenggara (WNT), Indonesia. *GCB Bioenergy*. (IF-5.6; Q1)

Alekseevsky, D., Chernysh, Y., Shtepa, V., Chubur, V., Stejskalová, L., Balintova, M., ... & **Roubík, H.***, 2023. Enhancing Ecological Efficiency in Biological Wastewater Treatment: A Case Study on Quality Control Information System. *Water*, 15(21), 3744. (IF-3.4; Q2)

Balgah, R.A., Ketuama, Ch.T., Ngwabie, M.N., **Roubík, H.***, 2023. Africa's Energy Availability-Deficiency Paradox: Lessons from Small-scale Biogas Technology and Policy Implications. *Environment, Development and Sustainability*. (IF-4.9; Q2)

Dobrovolska, O., Grabovska, T., Lavrov, V., Ternovyi, Y., Jelínek, M., & **Roubík, H.***, 2023. What are the organizational and economic principles of organic farming in the context of sustainable development? Case of Ukraine. *Ecological Questions*, 34(4), 1–24. (IF-0.6; Q4)

Onopriienko, D., Makarova, T., Tkachuk, A., Hapich, H., & **Roubík, H.**, 2023. The influence of phosphogypsum on the salt composition of salinated soils. *Land Reclamation and Water Management*, (1).

Maksymova, N. M., Petrushyna, H. O., Chushkina, I. V., & **Roubík, H.**, 2023. Technological effects of explosion dumps storage on development of agro-ecosystems. *Labour Protection Problems in Ukraine*, 39(1-2), 68-72.

Ogbu, C.A., Ivanova, T.A., Ewemoje, T.A., Hlavsa, T. and **Roubík, H.**, 2023. Estimating the Ecological Performance of Water and Wastewater Treatment in Africa: A Meta-Analysis. *Chem. Eng. Technol.*, 46: 1078-1088. (IF-2.1; Q3)

Hapich, H., Orlinska, O., Pikarenia, D., Chushkina, I., Pavlychenko, A., & **Roubík, H.**, 2023. Prospective methods for determining water losses from irrigation systems to ensure food and water security of Ukraine. *Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu*. (SJR-0.2; Q3)

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