


## CONTACTS




– FTZ contact details –

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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

- 2026-2030** **Coordinator** of the Horizon Europe project: Unlocking Private Sector Finance for Climate Adaptation (ADAPT-FIN)
- 2025-2028** **Coordinator** (from CZU) in M-ERA.NET 3 project Novel Sustainable Forward-Osmosis Seawater Desalination Process (deSalSea)
- 2025-2027** **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
- 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 Interreg 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** **Coordinator** (from CZU) in Horizon Europe project: Open Science to Increase Reproducibility in Science (OSIRIS)

## CURRENT EMPLOYMENT

### Dean

[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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- 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
- 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”



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- 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”
- 2016-2018** **Principal investigator** of Internal Grant Agency (IGA) project at CZU Prague 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”



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- 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)

## ACADEMIC EXPERIENCE & MEMBERSHIPS

- 2025 – Present** Chairman of the **Scientific Board** of the Faculty of Tropical AgriSciences
- 2024 – Present** Member of the **Scientific Board** of the Czech University of Life Sciences Prague
- 2024 – 2026** 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).



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- 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

## ACTIVE ADVISORY, REVIEW & EVALUATION BOARDS


- 2025 - Present** **Editorial Board Member** of PLOS Sustainability and Transformation (<https://journals.plos.org/sustainabilitytransformation/>)
- 2024 - Present** **Editor-in-Chief** of Scientia Agriculturae Bohemica (Scopus indexed) (<https://sab.czu.cz/en>)
- 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 - 2024** **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 (EIC), 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.



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## PAST ADVISORY, REVIEW & 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)
- 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 activities 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



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# RELEVANT CONFERENCES, TRAINING COURSES & 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”

**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*



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## ADDITIONAL EXPERIENCES

**2026 - Present Member** of the American Society for Microbiology

**2026 - Present Mentor** in the ASM Future Leaders Mentorship Fellowship (FLMF) program

**2025 - Present Mentor** in the Mawazo Fellowship Mentorship Scheme

**2020 Co-author** of [CZU mobilLAB 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 AIESEC ČZU

AIESEC 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 OUTSIDE ONLY EU)

**2026** Brazil - 2 weeks

**2025** Bhutan - 2 weeks; Cambodia - 2 weeks; Laos - 2 weeks; Nicaragua - 1 month; Colombia - 1 week; Chile - 1 week

**2024** Zambia - 2 weeks; Ethiopia - 2 weeks; Cambodia - 2 weeks; Colombia - 1 week; Chile - 1 week

**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; 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)

2026

- Husak, V., Danyliuk, N., **Roubík, H.**, Bobrova, O., Hammond, S., & Shyichuk, A. (2026). Predictive modelling of bacterial inactivation with hydrogen peroxide over a cobalt ferrite catalyst. *ChemPhysChem*.
- Chernysh, Y., Ostroha, R., & **Roubík, H.** (2026). Sustainable manufacturing platforms for closed-cycle bioeconomy applications. *Asia-Pacific Journal of Chemical Engineering*.
- Chernysh, Y., Chubur, V., Ostroha, R., Bataltsev, Y., Skydanenko, M., Demirak, A., Haneklaus, N., Nieto, J. M., Kiegiel, K., & **Roubík, H.** (2026). Bioprocess-based recycling of phosphogypsum for sustainable product development. *Journal of Environmental Management*, 408, 129998.
- Duong, V. H., Taisheva, A., Chubur, V., Dung, D. V., Phung, L. D., Bich, F., Mercl, F., Chernysh, Y., Lizundia, E., & **Roubík, H.** (2026). Turning biogas digestate and phosphogypsum into high-value biochar by pyrolysis. *Biofuels, Bioproducts and Biorefining*.
- Anteneh, M., Feyissa, T., & **Roubík, H.** (2026). Exploring the effect of different planting dates on lentil (*Lens culinaris* Medikus) genotypes. *Scientia Agriculturae Bohemica*, 57(2), 1–15.
- Situmeang, R. C., Mazancová, J., **Roubík, H.** (2026). Policy-relevant insights into household biogas adoption in West Java, Indonesia: A logistic regression analysis informed by DOI and TPB. *Agriculture*, 1.
- Haneklaus, N., Mwalongo, D. A., Mohammed, N. K., Lisuma, J. B., Brink, H., Mupambwa, H. A., Mazouz, H., Chubur, V., **Roubík, H.**, Qu, G., Waclawek, S., & Mtei, K. M. (2026). Fertilizer-derived uranium uptake in maize (*Zea mays* L.): Findings from pot and field experiments in Tanzania. *Journal of Hazardous Materials Advances*, 101160.
- Ningsih, L. M., Taherzadeh, J., Mohammad, S., Wainaina, S., & **Roubík, H.** (2026). The effect of pretreatment on VFA production from tofu and tempeh wastewater through anaerobic digestion batch. *Biofuels, Bioproducts and Biorefining*.
- Hruška, A., Soukupová, J., Foltýn, I., Mrhálková, I., Pilař, L., & **Roubík, H.** (2026). The establishment of an optimized rationing system for crisis-driven food insecurity: The case of Czechia. *Environment, Development and Sustainability*.
- Situmeang, R. C., Mazancová, J., & **Roubík, H.** (2026). Beyond adoption: Sustainability and resilience dimensions of household biogas systems in West Java, Indonesia. *Sustainability*.
- Haneklaus, N., Horváth, L. S., Brink, H., Brink-Flores, K., Kyomuhimbo, H. D., Lee, T.-R., Mišík, M., **Roubík, H.**, Kiselicki, M., Szabó, P., Guzsvinecz, T., & Sik-Lányi, C. (2026). Negotiating virtually and face-to-face: Experience from a serious game conducted in person and via smartphone application. *Applied Sciences*.
- Ningsih, M. L., Mazancová, J., Hasanudin, U., & **Roubík, H.** (2026). Energy audits in the tofu industry: An evaluation of energy consumption towards a green and sustainable industry. *Environment, Development and Sustainability*, 11.
- Mupambwa, H. A., Ruben, E. N. M., Haneklaus, N. H., Handura, B., Howoses, V. A., Ait Brahim, J., Beniazza, R., **Roubík, H.**, Truter, W. F., van der Merwe, E. M., & Brink, H. (2026). Vermicomposting of camel (*Camelus dromedarius*) manure with fly ash and microbial inoculants: Effects on nutrients and heavy metals. *Agriculture*.
- Wang, J., Wan, J., Huang, J., Ma, R., Hamed, Y. S. M., **Roubík, H.**, Cai, M., Sun, P., et al. (2026). Methyl viologen boosts erinacine A biosynthesis in *Herichium erinaceus* fermentation: Multi-omics insights. (preprint)
- Situmeang, R. C., Mazancová, J., & **Roubík, H.** (2026). Bridging behavior and policy: Determinants of household biogas adoption in West Java, Indonesia. *Fuels*, 7(1), 1–18.
- Maksymova, N., Petrushyna, H., Chushkina, I., & **Roubík, H.** (2026). Soil evolution in overburden dumps and adjacent areas. *Advances in Science and Technology*, 172, 177–186.

# RELEVANT SCIENTIFIC PUBLICATIONS (PEER REVIEWED)

## 2025

- **Roubík, H.**, & Chubur, V. (2025). Book of Abstracts—6th International Multidisciplinary Conference for Young Researchers (MCYR 2025): Science and Innovation: Advancing the Path to a Sustainable Future. BioResources & Technology Division, Czech University of Life Sciences Prague.
- Chernysh, Y., Chubur, V., Shtepa, V., Alekseevsky, D., Batalsev, Y., & **Roubík, H.** (2025). Anaerobic digestion of poultry manure with phosphogypsum using microbial electrolysis and ultrasound: A neural network approach. *Environmental Processes*, 12(3), 52.
- Miroshnyk, N., Grabovska, T., Lavrov, V., Shupova, T., Grabovskyi, M., **Roubík, H.**, et al. (2025). Ecological structure of plant, insect and bird biodiversity and approaches to increasing the rationality of organic farming management (the case of Ukraine). *Ecological Questions*, 36(3), 1–25.
- Hruška, A., & **Roubík, H.** (2025). Fear of the future in the context of the emergence of generative artificial intelligence among young adults: The case of Czechia. *Advances in Distributed Computing and Artificial Intelligence Journal*.
- Lapiso, T. T., & **Roubík, H.** (2025). A systematic scoping review of biogas as an instrumental technology for a circular economy and a way forward to ensure sustainable development in the context of the Global South. *Sustainable Development*.
- Ali, K., Jafar, R., Awad, A., Sabbouh, H., & **Roubík, H.** (2025). The optimal mixing ratio of cow manure with food waste using a laboratory up-flow anaerobic sludge blanket reactor. *Journal of Ecological Engineering*, 26(8), 381–392.
- Banerjee, S., Saha, K., Pramanik, K., Biswas, R., Parveen, M., Balachandran, S., & **Roubík, H.** (2025). Biocontrol, plant growth promoting, and bioremediation potential of *Aeromonas veronii* CMF from the gut of *Chrysomya megacephala*. *Microbiology Spectrum*.
- Shobajo, A. A., Chubur, H., & **Roubík, H.** (2025). Potential of sugarcane bagasse as feedstock for biogas production in Nigeria. *Biofuels, Bioproducts and Biorefining*, 19, 2092–2104.
- Duong, V. H., Phuong, P. X., Thuan, P. T. D., Taisheva, A., Van Dung, D., Phung, L. D., Bich, N. T. H., Luu, N. D., Khieu, D. Q., Mercl, F., & **Roubík, H.** (2025). A novel treatment of biogas digestate waste for biochar production and its adsorption of methylene blue and malachite green in a binary system. *Biofuels, Bioproducts and Biorefining*, 19, 1728–1745.
- Lopatchenko, I., & **Roubík, H.** (2025). Public governance of national security: Detection and neutralization of collaboration activities in a hybrid war. *Global Scientific Trends: Economics and Public Administration*.
- Baloch, S. B., Ali, S., Bernas, J., Konvalina, P., Naveed, M., Baloch, F. B., Janali, Z. H., **Roubík, H.**, et al. (2025). Crop residue management for soil health and environmental sustainability: A comprehensive review. *Journal of Soil Science and Plant Nutrition*.
- Chernysh, Y., Chubur, V., & **Roubík, H.** (2025). Sustainable biotechnology and environmental protection: A four-pronged strategy (1st ed., Green Energy and Technology). Springer.
- Boyko, O., Brygadyrenko, V., Chernysh, Y., Chubur, V., & **Roubík, H.** (2025). Impact of phosphogypsum on viability of *Trichuris suis* eggs in anaerobic digestion of swine manure. *Microorganisms*, 13(5), 1165.
- Onopriienko, D., Hapich, H., Tkachuk, A., Dent, D., Kovalenko, V., Makarova, T., & **Roubík, H.** (2025). Fertigation with sprinklers: Food and water security on the Ukrainian steppe. *Journal of Ecological Engineering*, 26(6), 150–161.
- Boyko, O., Brygadyrenko, V., Chernysh, Y., Chubur, V., & **Roubík, H.** (2025). Possibilities of decontaminating organic waste from swine-farming complexes using anaerobic digestion. *Biomass Conversion and Biorefinery*, 15, 11175d–11183.
- Skvortsova, P., Ablicieva, I., Boiko, A., Chernysh, Y., Batalsev, Y., Kuzomenska, K., & **Roubík, H.** (2025). Assessment of ecological safety and economic efficiency of biosorption technology for soil protection after hostilities. *Journal of Hazardous Materials Advances*, 18, 100677.
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