

CONTACT ME



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 [Chhorth Chhiengputheavy](#)



Chhorth Chhiengputheavy

PhD student & Junior Researcher



WORK EXPERIENCE

Junior Researcher

BioResources & Technology Division

Sep. 2025 - Ongoing

- CZU Prague, Czech Republic
- Researching on "Social Life Cycle Assessment of Commercial Biogas in Cambodia", focusing on sustainability, renewable energy, social and community impacts.

Research Assistant & Internship

Biogas Technology and Information Centre (BTIC)

2020 - 2021

- Royal University of Agriculture, Cambodia
- BTIC project "Reduction of GHG Emissions through Promotion of Commercial Biogas Plants" supported by UNIDO
- Organized workshops and training sessions to improve the implementation of commercial biogas plants
- Supported research students in conducting biogas production experiments

Student Intern

Appropriate Scale Mechanization Consortium for Sustainable Intensification Project (ASMC)

2018 - 2020

- Royal University of Agriculture, Cambodia
- Supported organizing workshops and training sessions, promoting agricultural machinery and tools among farmers.
- Designed a small-scale fertilizer mixing tool and promoted organic Bokashi fertilizer in Takeo province, Cambodia.

HIGHLIGHTS

- Reliable and organized, with experience managing research projects, laboratory work, and field activities.
- Skilled in coordinating workshops, training sessions, and collaborative research with students and community stakeholders.
- Adaptable and capable of supporting and guiding teams effectively under pressure.
- Focused on sustainability and renewable energy research with practical, real-world applications.

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Project Assistant

Environmental and Waste Management Project
2018 - 2019

- Assisted with project finance and documentation
- Coordinated and organized the university clean-up campaign "The Clean Environment Starts From You."
- Promoted the use of separate waste bins and encouraged micro-cleaning habits among students using social media.

EDUCATION HISTORY

Ph.D.

Czech University of Life Sciences, Prague

Ongoing

- Prague, Czech Republic
- Study program Sustainable Rural Development
- Dissertation research on "*Social Life Cycle Assessment of Commercial Biogas in Cambodia*"

Master's in Natural Resource and Environment

Czech University of Life Sciences, Prague

Year of Graduation: 2024

- Prague, Czech Republic
- Degree in Natural Resource and Environment
- Dissertation research on "Valorization of waste materials using pyrolysis"

Bachelor's in Agricultural Engineering

Royal University of Agriculture, Cambodia

Year of Graduation: 2020

- Department of Renewable Energy
- Thesis research on "Comparison of two desulfurizing methods for Biogas Production"



LANGUAGE SKILLS

- **Khmer** - native speaker
- **English** - second language

OTHER SKILLS AND EXPERIENCES

- Experience in laboratory work including pyrolysis basic experiment (pH, centrifugation, physical-chemical analysis).
- Experience in research data analysis using IBS SPSS.
- Experience in social media management, content creation, and video/photo editing
- Experience in coordinating, organizing workshops/events, and supporting research experiments throughout MSc and BSc
- Experience in fieldwork, community engagement, and data collection involving farmers and local stakeholders

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LIST OF SCIENTIFIC PUBLICATIONS

ARTICLES

- Lor L, Mihara M, Ngo B, Theang D, Mean CM, **Chhorth C**, Bart F. (2022) Effects of air injection and iron oxide pellet addition on hydrogen sulfide removal and biogas production. Published in: International Journal of Environmental and Rural Development. page129-135.