

CONTACT ME



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HIGHLIGHTS

- Project management
- Policy analysis
- Mechanization of agriculture
- Energy in agriculture
- Water resources management
- Extensive experience working in tropical and subtropical regions

Chama Theodore Ketuama

Postdoctoral Researcher



WORK EXPERIENCE

Researcher and Project Associate

Faculty of Tropical AgriSciences, Czech University of Life Sciences Prague
March 2020 - Present

Czech Republic

Participated in teaching, research, and project activities of the Faculty of Tropical AgriSciences.

- **Expert member** of the Czech Development Cooperation Project: V-Biochar (Vermicompost & Biochar Integration for Climate-Smart Farming) in Cambodia, May – June 2025.
- **Expert member** of Czech Development Cooperation project: Through biogas towards higher community resilience in the Western Province of Zambia, 2021 to 2025.
- **Expert member** of the Erasmus+ project: Structural Capacities for Tackling Wicked Problems, 2023.
- Participated in proposing a system-based strategy to reduce food waste in Bosnia and Herzegovina (commissioned by the United Nations Development Programme, Czech Republic), 2021.
- **Expert member** of Czech Republic Development Cooperation project: AgriSciences Platform for Scientific Enhancement of HEIs in Ukraine, 2020 to 2024.
- **Expert member** of United Nations Development Programme (UNDP) project: Turning wine waste into profit: possibilities of the Moldavian wine industry, 2020 to 2021.
- **Expert member** of Czech Development Cooperation project: Prevention of Covid-19 Proliferation in Exposed Locations and Increasing the Resilience of Local Communities in Zambia (CORE4), 2020.
- **Expert member** of Czech Development Cooperation project: Prevention of Covid-19 Proliferation and Increasing Resilience of Local Communities to Impacts of the Pandemics in Shabelle Zone in Ethiopia, 2020.

Rural Engineer

Ministry of Agriculture and Rural Development, Cameroon

April 2015 - November 2019

- Trained junior staff and youth on several courses in the agropastoral entrepreneurship study program.
- Participated in the design and installation of irrigation systems and diffusion of two-wheeled tractors for Irish potato production within the "Green Innovation Centres for the Agriculture and Food Sector Project".
- Performed other delegated administrative duties.

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Monitoring and Evaluation Officer

Rural Development Consultancy, Bamenda, Cameroon

January 2018 - November 2019

- Collected and analysed data of the baseline study titled: Strengthening Trust and Relationships between Community, Security, and Justice Sector Actors for Improved Security in Far North Cameroon (2021).
- Worked as farm Management Supervisor (of three advisors) for Ngoketunjia and Bui Divisions of Cameroon for the Joint World Bank/Cameroon project titled "The Agriculture Investment and Market Development Project" (2018).
- Performed tasks from other assignments delegated by the Director.

Research Farm Assistant and Part-time Lecturer

College of Technology, University of Bamenda, Cameroon

August 2014 - September 2015

Cameroon

- Performed daily follow-up of research farm activities.
- Coordinated students' farm practice sessions.
- Lectured at the Department of Agricultural Engineering.

OTHER EXPERIENCES

Mentor

Youth for Green and Climate-Resilient Agriculture Programme (YCRA) – Delegated to Pamodzi project Zambia

May 2023 - December 2023

International Association of Students in Agricultural and Related Sciences (IAAS WORLD)

Member of the selection committee

Selection of Young Scientists, 2022 cohort

April 2022

World Food Forum

Participated in a roundtable discussion at the Czech Ministry of Foreign Affairs, Prague

Discussion topic: Modern partnership with Africa (In celebration of Africa Day, May 2025).

AWARDS

- Member of NOSATOR-FLOW team, which won 3rd place (New Service Category) in the 2022 Youth Hackathon for Reducing Food Loss and Waste with a project proposal titled "A New System Advisory Tool to Reduce Food Loss and Waste in Cambodia" | Food and Agriculture Organization (FAO)
- Received the Rector's Award for the publication activities of employees in journals ranked in the 1st decile (2024)

HUMANITARIAN PASSES

- Field Introduction to Monitoring Evaluation and Learning (MEAL)
- Early Warning Early Action
- Field Safety and Security Before Deployment



EDUCATION

Ph.D. in Sustainable Rural Development

Czech University of Life Sciences, Prague

Year of Graduation: 2025

- Prague, Czech Republic

Master of Science in Agricultural Engineering - Specialised in Energy and Agricultural Machinery

University of Dschang, Cameroon

Year of Graduation: 2018

Master of Engineering in Agricultural Engineering

University of Dschang, Cameroon

Year of Graduation: 2014

Bachelor of Engineering in Agricultural Engineering

University of Dschang, Cameroon

Year of Graduation: 2011

- Cameroon

CERTIFICATIONS

- Postgraduate Certificate in Irrigation and Water Resources Management for Agriculture, University of Queensland, Australia, August 2018 to November 2018. (studies held in Australia, Kenya, and Nigeria).
- Project and financial management, Czech University of Life Sciences, Prague, Czech Republic, November 2020 to May 2021.
- Certificate of Program Completion of the African Civic Engagement Academy, University of Georgia, June 2022 to December 2022.
- Certificate of Achievement on Results-Based Project Management: Monitoring and Evaluation, University of Witwatersrand, South Africa (Online).
- Certificate of attendance of STRN/NEST PhD School on Methodologies in Transition Studies, Sustainability Transitions Research Network (STRN), April 2021 to June 2021.
- Social Science and Humanities (SSH) Knowledge Brokerage | Social Science and Humanities Centre, 2024.
- BSAFE | Department of Safety and Security (DSS) |United Nations 9/2022.

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LANGUAGE SKILLS

- **English** - C2
- **French** - C1



LIST OF SCIENTIFIC PUBLICATIONS

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ARTICLES

- **Ketuama, C.T.**, Roubík, H. 2025. Exploring the causes of slow biogas energy transition in rural areas of Cameroon: A technological innovation systems approach. *Renewable Energy*, 241, 122269. doi: 10.1016/j.renene.2024.122269.
- **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*, 230, 120895. doi: 10.1016/j.renene.2024.120895.
- **Ketuama, C.T.**, Mazancová, J., Roubík, H. (2022). Impact of Market Constraints on the Development of Small-scale Biogas Technology in Sub-Saharan Africa: A Systematic Review. *Environmental Science and Pollution Research*, 0123456789. <https://doi.org/10.1007/s11356-022-22262-y>.
- Roubík, H., Lošťák, M., **Ketuama, C. T.**, Procházka, P., Soukupová, J., Hakl, J., Karlík, P., Hejzman, M. (2022). Current coronavirus crisis and past pandemics - What can happen in post-COVID-19 agriculture? *Sustainable Production and Consumption*, volume 30, pp.752–760. <https://doi.org/10.1016/j.spc.2022.01.007>
- Mukisa, P.J.; **Ketuama, C.T.**; Roubík, H. (2022). Biogas in Uganda and the Sustainable Development Goals: A Comparative Cross-Sectional Fuel Analysis of Biogas and Firewood. *Agriculture* 2022, 12, 1482. <http://doi.org/10.3390/agriculture12091482>
- Balgah, R.A., **Ketuama, C.T.**, Ngwabie, M.N., Roubík, H. (2023). Africa's Energy Availability-Deficiency Paradox: Lessons from Small-scale Biogas Technology and Policy Implications. *Environ Dev Sustain*. <https://doi.org/10.1007/s10668-023-03810-z>
- Roubík, H., Lošťák, M., **Ketuama, C.T.**, Soukupová, J., Procházka P., Hruška A., Hakl J., Páček L., Karlík P., Menšíková L.K., Jurasová V., Ogbu C. A., Michal H. (2023). COVID-19 crisis interlinkage with past pandemics and their effects on food security. *Globalization and Health* 19, 52. <https://doi.org/10.1186/s12992-023-00952-7>.
- Tangka, J., **Ketuama, C.T.**, Ajaga, N., Viyoi, C. (2016). Modelling of the Operation of a Small Generator Set Powered by Scrubbed Biogas from Cow Dung. *British Journal of Applied Science & Technology*, 14(1), 1--8. <https://doi.org/10.9734/bjast/2016/22903>
- Goncharenko, O., Hrynevych, O., Pereira, O. P., **Ketuama, C. T.** (2021). Concept Approach for Measuring Solidarity Economy in Agriculture. *Selected Papers of the International Scientific Conference "Contemporary Issues in Business, Management and Economics Engineering 2021,"* May. <https://doi.org/10.3846/cibmee.2021.614>
- **Ketuama C.T.**, Mazancová J, Roubík H (2022) Assessment of biogas quality across rural household biogas plants in Cameroon. *Proceedings of 22nd International Multidisciplinary Scientific GeoConference SGEM 2022*. <http://doi.org/10.5593/sgem2022V/4.2/s18.04>.
- SCORE Project, Result ID1: State-of-the-art analysis.