

## MUDASIRU MAHAMA

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### Summary

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Goal-driven person with ability to excel in challenging environment. Meticulous and analytical with a resilient mindset and clear communication skills capable of complying standards and able to build productive relationship with all levels of management and staff.

### Skills

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- Research expertise
- Leadership strength
- Problem solving
- Verbal and written communication
- Professional demeanor
- MS Office
- Statistical analysis

### Experience

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**Assistant Lecturer-** Department of Geography and Sustainability Sciences **Nov. 2021-Date**  
**University of Energy and Natural Resources**

- Lecturing of courses
- Academic tutoring and mentoring
- Researching and community service
- Undergraduate thesis supervision

**Regional Trainer-** 2021 Population and Housing Census (PHC) - **June 2021**  
**Ghana Statistical Service**

- Trained census field officers (Supervisors and Enumerators) on Community and Household entry guidelines
- Trained census officers on the use of maps in census and data collection
- Trained field officers on administering of Listing and Enumeration questionnaires for the 2021 PHC
- Took trainees through data quality control and monitoring before, during and after enumerations, etc.

**Field Supervisor-** Ghana National Household Registry Project **Jul. 2020-Sept. 2020**  
**JMK Consulting**

- Supervised and Managed 11 data enumerators
- Conducted spot checks and data shadowing of Enumerators
- Assisted in developing movement plans

**Research Consultant** **June 2019-Dec 2019**  
**Imani Center for Policy and Education**

- Undertook three (3) major projects for Imani as a Consultant
- Reviewed literature on Local Government expenditure and writing reports
- Managed 44 data collection Enumerators in 15 Districts across Ghana

- Assisted on a project on “Measuring Public Sector Innovation” in Ghana
- Developed questionnaires and collected data from 40 Ministries, Department and Agencies (MDAs).
- Conducted validation workshops for all undertaking projects
- Presented final project reports to stakeholders

**Research Intern** **Apr 2018 to Aug 2018**  
**University of Energy and Natural Resources** — Sunyani, Brong Ahafo Region

- Participated in events, including meetings and presentations to better understand solar installation.
- Provision and installation of Solar Home Systems in off-grid communities for basic needs like; lights for Homes, lights for schools to enhance teaching and learning at night

**Coordinator for Diploma in Business Studies** **Jan 2015 to Sep 2016**  
**Vittoria Business College** — Yeji, Bono East Region

- Handled all research tasks related to the Diploma in Business Studies Program
- Developed and organized records and maintenance reports as well as lecturing Economics

**Field Officer** **Nov 2015 to August 2016**  
**Grameen Foundation** — Accra, Greater Accra Region

- Trained and assisted farmers on modern agricultural methods
- Trained farmers on cash and stock flow of inputs produced and managed that using developed software.
- A software for data collection and managing farmers' data using Computer-assisted personal interviewing (CAPI)
- Received Training and used GPS and tablets to measure farms of farmers

**Undergraduate Teaching Assistant** **Sep 2013 to Aug 2014**  
**University for Development Studies** — Wa, Upper West Region

- Supported all faculty clerical needs in the department by preparing class materials, collecting assignments and completing other needed tasks.
- Followed established course outline to prepare lessons and convey subject in a manner that enhances understanding of materials.
- Provided hands-on technical support, advice and mentoring to all levels of personnel.
- Utilized email, phone and in-person meetings to answer questions and mentor struggling students especially for their workshop sessions.

## **Education and Training**

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**PhD. Sustainable Energy Management** **2019-to date**  
 University of Energy and Natural Resources- Sunyani, Ghana

**Master of Science, Energy Policy** **2018**  
 Pan African University Institute of Water and Energy Sciences (including climate change)  
 -Tlemcen, Algeria

**Bachelor of Science, Planning** **2013**  
 University for Development Studies — Wa, Upper West Region, Ghana

## Short Courses and Certifications

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### **Certificate of Participation on Financial Modelling of Renewable Energy Projects May 2018**

The Brew- Hammond Energy Centre, Kwame Nkrumah University of Science & Technology

### **Certificate on Renewable Energy 2017**

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Cologne University of Applied Sciences-Institute for Technology and Resources Management in the Tropics and Subtropics, Germany (summer school)

## Publication, Conferences and Field Research Experience

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Akrofi, M.M., **Mahama, M.** & Nevo, C.M. (2021). Nexus between the gendered socio-economic impacts of COVID-19 and climate change: implications for pandemic recovery. *SN Soc Sci* 1, 198 (2021). <https://doi.org/10.1007/s43545-021-00207-5>

**Mahama, M.**, Derkyi, N.S.A and Nwabue, C.M. (2020). Challenges of renewable energy development and deployment in Ghana: perspective from developers. *GeoJournal* (2020). <https://doi.org/10.1007/s10708-019-10132-z>

Kumi, E.N and **Mahama, M.** (2019). Greenhouse Gas (GHG) emission reduction in the electricity sector: Implications of increasing renewable energy penetration in the electricity generation mix of Ghana. Paper presented at International Conference on Engineering, Applied Science and System Modelling. Sunyani, Ghana, 11-13 December 2019.

### **Papers under Review**

Abubakar, M., Ibrahim, A.S., Dosu, B. and **Mahama M.** (n.d). How can decentralized urban planning contribute to the sustainability of the traditional commons in Ghana? A review perspective. *Current Research in Environmental Sustainability*.

### **Column Article**

**Mahama M.** (2021). Power crisis in Ghana: the past, present and the way forward. *Modern Ghana*. Available at <https://www.modernghana.com/news/1066873/power-crisis-in-ghana-the-past-present-and-the.html>

### **Technical Reports**

Abubakari, M Osei-Kufuor, K. and **Mahama, M** (2019). Promoting Social Accountability to Enhance Spending Efficiency at Local Government. IMANI Africa. <https://imaniafrica.org/2019/11/20/promoting-social-accountability-to-enhance-spending-efficiency-at-local-government-level/>

**Mahama, M.** and Dorothea, A. O.M (2019). Measuring Innovation in Public Service Delivery. Inspirational Public-Sector Leadership Awards (IPSLA). IMANI Africa. <https://imaniafrica.org/wp-content/uploads/2019/11/REV-IPSLA-2019-FINAL-web.pdf>

USAID Project. Agriculture Development and Value Chain Enhancement- Gross Margin

South Phase II

- Interviewed farmers on their production level of the farming season using Computer-assisted personal interviewing (CAPI)
- Collected and measured yield from the demarcated zone carried out in Phase I using GPS
- Measured yield using a measuring scale

**Enumerator**

**Apr-May 2016**

USAID Project. Agriculture Development and Value Chain Enhancement- Gross Margin

South Phase I

- Used Computer-assisted personal interviewing (CAPI) to survey farmers on production level, sales and technological adoption by farmers
- Collected GPS coordinates and area of sampled farms using GPS devices
- Used Geographic Positioning system (GPS) to measure farm sizes and taking way- points