

CURRICULUM VITAE

1. **First name:** John Mary
2. **Family name:** Kiberu
3. **Passport holder:** John Mary Kiberu
4. **Country of residence:** Uganda
5. **Education:**

Institution (Date from - Date to)	Degree(s) or Diploma(s) obtained:
Technical University of Berlin (TUB): March 2006 -Sept 2009	PhD (Dr. rer. nat.)
University of Twente (ITC): Sept 2000 – March 2002	Master of Science - Geophysics
Makerere University Kampala: October 1993 -July 1996	Bachelor of Science (Geol. & Chem.)

6. Language skills:

Language	Reading	Speaking	Writing
English	Very Good	Fluent	Very Good
German	Good	Average	Good

7. Membership of professional bodies: Society of Exploration Geophysicists (SEG), American Association of Petroleum Geosciences (AAPG), Geological Society of Uganda (GSU)

8. Other skills:(e.g., Geoscience software knowledge and Field Mapping techniques)

9. Additional qualifications: I hold these practice certifications:

- Certificate in Modern Techniques of Groundwater exploration Management.
- Certificate in On –Site Inspection by use of Geophysical techniques
- Certificate in Hydrogeophysics.
- Certificate in Water Resources Management
- Certificate in Scientific Drilling
- Certificate in Modeling of Heterogeneity and Transport in Geologic media: Transition Probability, Markov chains and Random-Walk Particle Methods.
- Certificate in Oilsim Geophysics
- Certificate in GeoCLASS
- Certificate in basic cementing processes and Technologies
- Certificate in basic isotope Hydrology
- Certificate in Modern Techniques for Environmental & sustainable development Of earth resources
- Certificate in basic cementing processes and Technologies
- Certificate in GeoCLASS
- Certificate in Oilsim Geophysics
- Certificate in Petrel 2011
- Certificate in Petroleum Geophysics
- Certificate in SeisRox software
- Certificate in Techlog
- Certificate in Rift Tectonics and Sedimentation
- Certificate in Hampson – Russel (Strata, AVO, LithoSI,
- Certificate in Life Cycle Assessment and Environmental Management Systems
- DRIAR project Field School

I am a Lecturer at Makerere University in the Department of Geology and Petroleum Studies, College of Natural Sciences. I am responsible for the teaching of applied geophysics to Geologists and Earth Scientists especially in the following geophysical techniques (gravity, magnetics, resistivity, induced polarization, electromagnetic, radiometric) and some borehole geophysics. I also conduct practicals in the field and in the laboratory in the use of geophysical techniques and their applications. I have inputs to geological field mapping exercises and geohazards modules at both undergraduate and postgraduate levels. I participated in the NORAD funded project in collaboration with the Department of Earth Science at the University of Bergen (UiB) during the establishment of a Master of Science degree in Petroleum Geosciences at Makerere University with funding from the EnePe programme in Norway. I also participated in the Capacity building in sustainability and environmental management (CapSEM) project in collaboration with institutions from Europe, Asia and Africa during the period 2016 – 2019. At the moment, I am now participating in a European funded project called “Strengthening Capacity for ICT Usage and Policy Reforms for Relevant & Quality Masters Research Process Management in Uganda’s Higher Education Institutions (ICT-4MRPQ),” Project No. 101083105” as a coordinator for Makerere University. I acted as a Chair; Editorial committee of the National Organizing Committee (NOC) for the East African Petroleum Conference and Exhibition (EAPCE’23). I am currently the coordinator of the DRIAR project researching on neotectonism and faulting in the Albertine Graben, Western Uganda in association with universities from the USA including Virginia Tech, University of California, Davis, Midwestern University, North-western University, University of Arkansas, and WHOI. In addition, I am also the Coordinator of the Exchange Programme between the University of Turin (UniTo), Department of Earth Sciences and Makerere University, Department of Geology and Petroleum Studies funded under the Erasmus KA 171 European Funding.

10. Research grants won:

Country	Date from - Date to
Norway	Sept 2012 – Sept 2016: Part of the team awarded over Euros 1,000,000. EnPeI Project for the establishment of the Masters of Science in Petroleum Geosciences at the Department of Geology and Petroleum Studies, Makerere University. Amount 1,000,000 EUR
Norway, Netherlands, Portugal, India, Nepal, and Uganda	Sept 2016 – Sept 2019: Part of team awarded over Euros 800,000 by European Commission Erasmus+: Higher Education - International Capacity Building program through the Education, Audio-visual and Culture Executive Agency (EACEA) Office, for research: “Capacity building in sustainability & environmental management” (CAPSEM), Research project No: 574218-EPP-1-2016-1-NO-EPPKA2-CBHE-JP
Uganda	Sept 2019 – June 2021: Makerere University Research and Innovations Fund (MAK RIF) , during 1 Round of Call for Proposal, I was awarded UGX 300,000,000 to “An assessment to identify research and training laboratory equipment for petroleum geosciences and engineering for Higher Education Institutions in Uganda.”
Norway, Netherlands, Portugal, India, Nepal, and Uganda	Nov 2016 – Sept 2019: Part of team awarded over Euros 800,000 by European Commission Erasmus+: Higher Education - International Capacity Building program through the Education, Audio-visual and Culture Executive Agency (EACEA) Office, for research: “Capacity building in sustainability & environmental management” (CAPSEM), Research project No: 574218-EPP-1-2016-1-NO-EPPKA2-CBHE-JP
Uganda	August 2024 – 31st July 2027; KA 171 – Learning Mobility for higher education students and staff between Makerere University and University of Turin, worth 500,000 Euros

11. Employment Record

- Date:** August 2003 - Apr, 2021
- Employer:** Makerere University
- Position held:** **Lecturer**, Department of Geology and Petroleum Studies
- Description of duties:**
1. Lead knowledge generation, dissemination & development infrastructure
 2. Teach, examine, and guide students and their learning at all levels.
 3. Supervise & implement departmental activities in line with
 4. university strategy, vision, and policy.
 5. Undertake, supervise, and manage research and research projects.
 6. Design university curriculum and undertake course reviews.
- Date:** **October 1999 to August 2003,**
- Employer:** Makerere University
- Position held:** Assistant Lecturer, Department of Geology and Petroleum Studies
- Description of duties:**
1. Teaching, examining and grading students at undergraduate level.
 2. Supervision of undergraduate students.
 3. Conducting research and other outreach activities.
 4. Writing proposals for attracting funding to the Department
 5. Any other duties that may be assigned by your supervisor.

12. Publications:

Nakajigo J. & Kiberu J.M. (2020). Determination of Reservoir Properties of the Semliki Basin Using Rock Physics Templates. Conference paper presented at Fifth EAGE Eastern Africa Petroleum Geoscience Forum, Mar 2021, Volume 2021, p.1–6. DOI: <https://doi.org/10.3997/2214-4609.2021605046>

Correlation of geoelectric data with aquifer parameters to delineate the groundwater potential of hard rock terrain in Central Uganda

AG Batte, E Barifaijo, JM Kiberu, W Kawule... - Pure and applied geophysics, 2010

Rock physics analysis of reservoir units of the Semliki basin, Albertine graben: A case study

J Nakajigo, JM Kiberu, TA Johansen, EH Jensen... - Journal of African Earth Sciences, 2023

Active Fault Database for the North-western Branch of the East African Rift System (ears)

H Mwongyera, M Taylor, DD Mongovin, A Katumwehe... - Geological Society of America Abstracts, 2024

Interferometry of Ambient Seismic Noise Recorded by DRIAR Stations in the Northern Western Branch of the East African Rift System, Uganda

A Kabanda, B Alonzo, S van der Lee, DS Stamps... - AGU Fall Meeting Abstracts, 2023

Stochastic seismic inversion of seismic data from the Turaco field, Semliki Basin, SW Uganda

J Sserunjogi, JM Kiberu - SEG Technical Program Expanded Abstracts 2016, 2016

Prediction of reservoir properties using inverse rock physics modelling in the Kanywataba Exploration Area, Albertine Graben

J Nakajigo, TA Johansen, JM Kiberu, EH Jensen... - Petroleum Geoscience, 2024

Coupling of Displacement and Basement Damage Distribution Across a Border Fault Relay Zone, Toro-Bunyoro Fault, Albertine Rift

P Boston, F Kolawole, AB Katumwehe, JM Kiberu... - AGU Fall Meeting Abstracts, 2022

Prediction of Seismic time-lapse (4D) Effects of the Reservoir based on Petrophysical and 3D Seismic Data in the Turaco Prospect, Semliki Basin, Western Uganda

R Kiconco, JM Kiberu, BN Nagudi - 79th EAGE Conference and Exhibition 2017, 2017

Combining Rock Physics Templates with Seismic Inversion to Characterize the Hydrocarbon Reservoir beneath the Kanywataba Prospect, Semliki Basin

JJ Pidho, JM Kiberu, D Okello, AO Ayaa - 2016

Prediction of Seismic Time-Lapse (4-D) Effects of the Reservoir Based on Petrophysical and 3D Seismic Data in the Turaco Prospect, Semliki Basin, Western Uganda

JM Kiberu, R Kiconco - 2018 AAPG International Conference and Exhibition

Investigating Melt Generation Beneath the Northern Western Branch of the East African Rift System Using 3D Geodynamic Modelling with ASPECT

A Kwagalakwe, DS Stamps, EA Njinju, EA Atekwana... - AGU Fall Meeting Abstracts, 2022

Hydrogeochemistry and Geothermometry of the Hot Springs Along the Magma-poor Western branch of the East African Rift System

J Foluso, E Atekwana, F Kolawole, EA Atekwana... - AGU Fall Meeting Abstracts, 2022

Determination of Reservoir Properties of the Semliki Basin Using Rock Physics Templates

J Nakajigo, JM Kiberu - Fifth EAGE Eastern Africa Petroleum Geoscience ..., 2021

The Role of Pre-Existing Structures in the Initiation of the Northern Western Branch of the East African Rift System

A Kwagalakwe, DS Stamps, J Naliboff, M Taylor... - Geological Society of America Abstracts, 2024

Crustal Structure Around the Northern Western Branch of the East African Rift System from Receiver Function Analysis

A Kabanda, S van der Lee, DS Stamps, EA Atekwana... - AGU24

Latest Advances of the DRIAR Project: Dry-Rifting In the Albertine-Rhino Graben, Uganda

DS Stamps, EA Atekwana, EA Atekwana... - AGU Fall Meeting Abstracts, 2023

Scientific Highlights of the DRIAR Project: Dry-Rifting In the Albertine-Rhino Graben, Uganda

DS Stamps, EA Atekwana, S van der Lee, RL Evans... - AGU24

The Role of Pre-Existing Structures in the Initiation of the Northern Western Branch of the East African Rift System.

A Kwagalakwe, DS Stamps, JB Naliboff, MH Taylor... - AGU Fall Meeting Abstracts, 2023

Magnitude and Rate of Rift Flank Uplift Along the Nkusi River, Albertine Rift, Uganda

H Mwongyera, MH Taylor, D Mongovin, EA Atekwana... - AGU Fall Meeting Abstracts, 2023

Advances of the DRIAR Project: Dry-Rifting In the Albertine-Rhino Graben, Uganda

DS Stamps, EA Atekwana, S van der Lee, RL Evans... - AGU Fall Meeting Abstracts, 2022

1. **Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged



John Mary Kiberu (PhD)

Date: 13th February 2025

Referees :

Assoc. Prof. Michael Owor
Department of Geology &
Petroleum studies
P. O. Box 7062 Kampala
Tel: +256-772-625149
Email: michael.owor@mak.ac.ug

Prof. Tor Arne Johansen
University of Bergen
Postboks 7803
5020 Bergen
Tel: +47 55583415/47 95139224
Email: TorArne.Johansen@uib.no

Prof. Mimonitu Opuwari
Head: Petroleum Geosciences
Group
Department of Earth Sciences
University of the Western Cape
Robert Sobukwe Road
Bellville 7535 Cape Town, South
Africa.
Office: +27 21 959 2638
Email: mopuwari@uwc.ac.za

My Contact :

John Mary Kiberu, PhD
Department of Geology and Petroleum Studies
Makerere University
P.O. Box 7062 Kampala
Tel: +256 782 885 771 (Personal Mobile); + 256 702 653 795 (Mobile)
Email: john.kiberu@mak.ac.ug; jmkiberu21@gmail.com