

Name: Melvice Ngalle EPEDE

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PROFESSIONAL SUMMARY

Detail-oriented and highly organized Research Coordinator with over 6 years of experience in managing and coordinating research projects. Proficient in data collection, analysis, and reporting with a strong background in environmental science. Adapt at working collaboratively with multidisciplinary teams, ensuring compliance with regulatory requirements, and maintaining high standards of research integrity.

PROFESSIONAL EXPERIENCE

Oct 2017 – March 2021 - Teaching and Research Assistant

International University Center - TU Bergakademie Freiberg, Germany

- Independent Research in phytoremediation technologies, focusing on greenhouse experiments with the cultivation of bioenergy plants on metal contaminated soils, affiliated to the Technical Mining University, Freiberg, Germany.
- Assisted in setting up and following up both field and greenhouse experiments with master and fellow PhD students of the Bio-ecology working group.
- Laboratory analysis of soil with sequential extraction methods; plant (roots & shoot) samples using the ICP-Mass spectrometry.
- Most of the outcome were fit for both MSc. and PhD thesis compilation and defense.
- A few publications have already emerged (See publication list).

April 2021 – March 2023: Director of Operations for the Cameroon based Belgian solar company, Solarly SPRL.

Led the FINEXPO EU-funded project for the solar electrification of 200 health centers in the West, East and Centre regions of Cameroon

- Designed, improved, and redefined commercial offers in Cameroon
- Negotiation and closing of sales
- Manage prospection, sales, administrative and tax files
- Management of human resources
- Establishment of B2B and local partners in Cameroon
- Public sensitization on the importance of green energy “solar energy”

Sept 2019 - Feb 2020: Diaspora Expert at the Ministry of Agriculture and Rural Development, Cameroon, sponsored by the GIZ Migration and Development Project

Duties included:

- Knowledge sharing with the staff of the National laboratory for Analysis and Diagnosis of Agricultural inputs
- and outputs (LNAD) for pesticides and fertilizers analysis.
- Laboratory experiment
- Data analysis
- Development of Term of Reference (ToF) for the evaluation of Cadmium in cocoa from Cameroon
- Creation of partners/Networking

Jan 2004 – Aug 2012 Volunteer/diverse engagement after graduation

- **Jan 2011 – Sept 2012** Member of the internal control team in charge of sustainability at the Likingi Sustainable Agroforestry program (LISAP), Southwest Region, Cameroon.
- **Nov 2010 – Feb 2011** Intern with the National Oil Refinery Company (SO.NA.RA.), Cameroon. Industrial training in the department of Quality, Safety, Environment, and Inspection. Sludge and wastewater analysis.
- (2008-2009 Parenting).
- **Oct 2007- Jan 2008** Surveyor, National Institute of Statistics, Yaounde, Cameroon. A Cameroon government periodic programme to evaluate the wellbeing of Cameroonians (ECAM3).
- **Jan 2006 – May 2006** on-the job-training in ICT, and Diploma in Microsoft office from the CAMONNET Computer Service, Kumba, Cameroon.
- **Jan 2004 – Dec 2006** Part-time Biology Teacher at Denis comprehensive Secondary School, Kumba, Cameroon. Preparation of lesson notes for forms 1, 2 & 3.

EDUCATION

2018 –2020 post-graduate diploma in Good Governance and Social Entrepreneurship

TU Bergakademie Freiberg, Germany

2012 – 2016 M.Sc., Biology, specialization in Biodiversity; Conservation and Restoration

University of Antwerp, Belgium

2000 – 2003 B.Sc., (Hon) Environmental Sciences

University of Buea, Cameroon

TECHNICAL SKILLS

- Statistical analysis Use of R, Python programming, Pandas
- Data Entry
- Geographic Information Systems (GIS) for mapping and spatial analysis.
- Customer Relationship Management (CRM)
- Data analysis tools (e.g., MSEXcel, SPSS)
- Project management tools (e.g. Teams, Trello, MS Project)

ADDITIONAL INFORMATION

PUBLICATIONS

2022: *Field Studies on the Effect of Bioaugmentation with Bacillus amyloliquefaciens FZB42 on Plant Accumulation of Rare Earth Elements and Selected Trace Elements (Minerals 12(4): 409).* **Precious U. Okoroafor, God'Sfavour Ikwuka, Nazia Zaffar, Melvice Ngalle Epede, Martin Mensah, Johann Haupt, Andreas Golde, Hermann Heilmeier, Oliver Wiche.**

2022: *Phytoextraction of rare earth elements, germanium and other trace elements as affected by fertilization and liming (Environmental Technology and Innovation 28(2)).* **Precious U. Okoroafor Nicolle Kunisch, Melvice Ngalle Epede, Clement O. Ogunkunle, Hermann Heilmeier Oliver Wiche.**

2019: *Remediation of tropical urban soils under metallic pollution using local plants species in Yaoundé, SubSaharan Africa.* **Melvice Ngalle Epede, Celestin Defo, Oliver Wiche, Hermann Heilmeier.**

<https://meetingorganizer.copernicus.org/EGU2019/picos/30855>

2015: ISBN: 978-3-659-75040-3, LAP Lambert Academic Publishing House. *Monitoring historical metal pollution in an aquatic Environment.*

CONFERENCES

[Ecosystems Partners, “ESP Africa 2019” in Togo.](#) Title of Presentation: Remediation of Tropical Urban Soils Under Metallic Pollution Using Local Plants Species in Yaoundé, Cameroon, Sub-Saharan Africa (17 June -20 June 2019).

[Third International Conference of Young Scientists](#) - Focus Soil in the Environment in Poronin Poland. Title of presentation: Time-resolved accumulation of some strategic elements in the rhizosphere of different bioenergy plants (16-19/09/2018).

Annual European Geoscience Conference in Vienna Austria (2018/2019). Abstract link:

<https://meetingorganizer.copernicus.org/EGU2019/picos/30855>