



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **Nkongho Ayuketang Arreyndip**  
Telephone(s) +4915733808636  
E-mail [ayuketang@aims-cameroon.org](mailto:ayuketang@aims-cameroon.org) / [ayuketang2@gmail.com](mailto:ayuketang2@gmail.com)  
Nationality CAMEROONIAN  
Date of birth 26/10/1988  
Gender MALE

### Desired employment / Occupational field **Marie Curie Research Fellow in Climate and Geopolitical extremes impact assessment on regional and global agricultural sectors**

### Work experience

Dates	10/2023 - present
Occupation or position held	Marie Curie Research Fellow
Main activities and responsibilities	Model development, evaluation and policy design of the regional and global economic impacts at the interphase between extreme weather events and geopolitical crises, especially when conflicting regions are major agricultural producers.
Name and address of employer	Euro-Mediterranean Center on Climate Change  Ca' Foscari University of Venice Porta dell'Innovazione Building - 2nd Floor Via della Libertà, 12 - 30175 Venice (VE), Italy
Type of business or sector	Education/Research
Dates	10/2021 - 09/2023
Occupation or position held	Alexander von Humboldt Postdoctoral Fellow
Main activities and responsibilities	Model development and evaluation of the impacts of the photosensitive parameters of atmospheric aerosols on their light-scattering abilities in the atmospheric cloud forming layers and their subsequent impacts on the global climate system
Name and address of employer	Institute of Applied Geosciences, TU Darmstadt, Darmstadt 2 01 136 Schnittspahnstrasse 9, 642887, Darmstadt, Germany
Type of business or sector	Education/Research
Dates	04/2020- 08/2021
Occupation or position held	Alexander von Humboldt International Climate Protection Postdoctoral Fellow
Main activities and responsibilities	Model development and evaluation of the impacts of simultaneous extreme weather events on breadbasket regions.
Name and address of employer	Potsdam Institute for Climate Impact Research (PIK) Telegrafenberg, 14473, Potsdam, Germany.
Type of business or sector	Education/Research
Dates	11/2014- 12/2019
Occupation or position held	Physics Lecturer

Main activities and responsibilities Main Lecturer of the following Undergraduate Engineering courses

- Electrostatics, Geometrical Optics, Biophysics, Thermodynamics 1 & 2, and LATEX.
- Supervision of Undergraduate en- of-course thesis.

Co-Lecturer of the following Masters in Engineering course(s)

- Vibration of structures
- Supervision of Master thesis.

Chief of service of the examination and transcript Department

Name and address of employer Polytechnic, Saint Jerome Catholic University of Douala, Douala, Cameroon.

Type of business or sector Education/Research

Dates 08/2012- 11/2014

Occupation or position held High-School Physics Teacher and Laboratory Master

Main activities and responsibilities Main Physics teacher and Laboratory master for Advance(A) Level Students

Name and address of employer Saker Baptist College, New Town, Limbe, Cameroon.

Type of business or sector Education

### Work experience(Others)

Dates 02/2023 - 10/2023

Occupation or position held Media Data Analyst

Main activities and responsibilities Search, analyze, and recommend Apple app queries for Germany market

Name and address of employer Telus International Canada

Type of business or sector IT

Dates 17/07/2023- 30/07/2023

Occupation or position held Teaching Assistant

Main activities and responsibilities Teach and mentor students on climate change and climate impacts

Name and address of employer ClimateMatch Academy, USA.

Type of business or sector Education

### Education and Training

Dates 10/2014 - 08/2019

Title of qualification awarded Doctor of Philosophy(Ph.D.)

Principal subjects/occupational skills covered Physics

Thesis title: Complete Onshore Wind farm Project in Cameroon: Modeling, Simulation, and Comparative analysis

Supervisors: Prof. Dr. Alein Moise Dikande and Prof. Ebohenow Joseph

Name and type of organisation providing education and training University of Buea, 63, Buea, Cameroon

Dates 10/2012 - 08/2014

Title of qualification awarded Master of Science(M. Sc.)

Principal subjects/occupational skills covered Physics

Thesis title: Modeling extreme temperatures in Mbonge, Cameroon, using the Generalized Extreme Value Distribution(GEV)

Supervisors: Prof. Dr. Alein Moise Dikande and Prof. Ebohenow Joseph

Name and type of organisation providing education and training University of Buea, 63, Buea, Cameroon

Dates 10/2013 - 07/2014  
 Title of qualification awarded Structural Masters  
 Principal subjects/occupational skills covered Mathematical Science  
 Thesis title: Modeling the ratchet effects of cold atoms in periodically symmetric and asymmetric optical ratchet potentials  
 Supervisors: Prof. Dr. Anatole Kenfack  
 Name and type of organisation providing education and training African Institute for Mathematical Sciences(AIMS) Cameroon.

Dates 10/2008 - 08/2011  
 Title of qualification awarded Bachelor of Science(B. Sc.)  
 Principal subjects/occupational skills covered Physics  
 Supervisors: Prof. Nkam Tchuoubiap  
 Name and type of organisation providing education and training University of Buea, 63, Buea, Cameroon

Dates 09/2006 - 08/2008  
 Title of qualification awarded Advance Level (A-Levels)  
 Principal subjects/occupational skills covered Physics, Chemistry, Biology, Mathematics, and Further Mathematics  
 Name and type of organisation providing education and training Cameroon College of Arts and Science (CCAS) Kumba  
 Kumba, Cameroon.

**Personal skills and competences**

Mother tongue(s) English

Other language(s)

Self-assessment

European level (\*)

**Language**

**Language**

		Understanding		Speaking				Writing	
		Listening	Reading	Spoken interaction		Spoken production			
French	B1		B1		B1		B1		A2
German	A2		A2		A2		A2		A1

(\*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/faq/35308)

Social skills and competences Very flexible; Charismatic; Extrovert; Friendly; High sense of humor; Results driven; Ambitious; Innovative; Spontaneous; Love working in a motivated and balanced team; Team Leader.

Organisational skills and competences Office administrations, Research project design and management

Technical skills and competences Mathematical and deep analysis, statistical, computational and numerical analysis

Computer skills and competences Python and Fortran; Data Science and Statistics; Machine Learning and Forecasting; Data analysis with Python(Pandas), Jupyter, SQL/MySQL, and R; Data visualization with Python(Matplotlib, Seaborn) and R(ggplot); 3D modeling with Blender

## List of Publications

### Submitted

- [1] Nkongho Ayuketang Arreyndip and Ebobenow Joseph, Assessing the vulnerability of some popular staple food markets to climate change. *Climatic Change*, Manuscript ID: CLIM-D-23-00663. (Submitted, August 2023).

### Published(Peer reviewed)

- [1] Nkongho Ayuketang Arreyndip, Konrad Kandler and Aryasree Sudharaj, (2023), Near-field single-scattering calculations of aerosols: Sensitivity studies, *Optics*, 4(2), 375-395; <https://www.mdpi.com/2673-3269/4/2/28>
- [2] Mohammed Daoudi, Abdelaziz Ait Sidi Mou, Ahmed Idrissi, Ilham Ihoume, Nora Arbaoui, Mohammed Benchrifa, Nkongho Ayuketang Arreyndip & Abdoukader Ibrahim Idriss (2023) Techno-economic feasibility of two onshore wind farms located in the desert area: a case study, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 45:3, 7544-7559, DOI: <https://doi.org/10.1080/15567036.2023.2222679>
- [3] Nkongho Ayuketang Arreyndip, (2021), Identifying agricultural disaster risk zones for future climate actions. *PLoS ONE* 16(12): e0260430. <https://doi.org/10.1371/journal.pone.0260430>
- [4] J Ebobenow and N A Arreyndip, (2021), Monitoring the evolution of drought conditions over Africa, *IOP Conf. Ser: Earth Environ. Sci.* 958 012004. <https://doi.org/10.1088/1755-1315/958/1/012004>
- [5] Nkongho Ayuketang Arreyndip, (2021), African Continental Free Trade Area (AfCFTA): projected economic impact assessment under future warming in CMIP6, *Environ. Res. Lett.* 16 094046, DOI: <https://doi.org/10.1088/1748-9326/ac1fbd>
- [6] Nkongho Ayuketang Arreyndip, Ebobenow Joseph,(2018). Small 500 kW onshore wind farm project in Kribi, Cameroon: Sizing and checkers layout optimization model, *Energy Reports*, ISSN: 2352-4847, Vol: 4, Page: 528-535, 2018, <https://doi.org/10.1016/j.egy.2018.08.003>
- [7] Ayuketang Arreyndip, Nkongho; Moise Dikande, Alain; Joseph, Ebobenow. (2018). Nonlinear Multi-Frequency Dynamics of Wind Turbine Components with a Single-Mesh Helical Gear Train. *Math. Comput. Appl.* 23, no. 1: 12. doi:10.3390/mca23010012
- [8] D. Afungchui, J. Ebobenow, N. N. Rene, N. A. Arreyndip,(2018). Global Solar Radiation of some Regions of Cameroon using the Linear Angstrom Model and Non-linear Polynomial Relations: Part 2, Sunpath Diagrams, Energy Potential Predictions and Statistical Validation, *International Journal of Renewable Energy Research*, IJRER, Vol. 8, No. 1, Online ISSN: 1309-0127
- [9] Arreyndip Nkongho Ayuketang, Joseph Ebobenow, David Afungchui, (2016). Wind Energy Assessment of Cameroon's Coastal Regions for the Future Installation of a Wind Farm, Volume 2, Issue 11, Article e00187 <http://dx.doi.org/10.1016/j.heliyon.2016.e00187>
- [10] Nkongho Ayuketang Arreyndip and Ebobenow Joseph, (2016). Generalized Extreme Value Distribution Models for the Assessment of Seasonal Wind Energy Potential of Debuncha, Cameroon. *Journal of Renewable Energy*, Article ID 9357812, 9 pages, doi:10.1155/2016/9357812
- [11] Nkongho Ayuketang Arreyndip, (2015). Comparing the Ratchet Effects of Cold Atoms in Periodically Symmetric and Asymmetric Optical Potentials. *Physics Research International*, vol. 2015, Article ID 706527, 7 pages, 2015. doi:10.1155/2015/706527.

Date and Place

17/10/2023, Venice, Italy

Signature