

# Mr. ALEXANDRE MAHOUGNON AUREL ZOUMMAN

Project Manager | Research and Development Specialist | Climate and Sustainability Advocate

Multidisciplinary project manager and researcher with 10 years of experience in scientific research, international project coordination, and developing innovative solutions. Specialist in plant-microorganism interaction with strong expertise in molecular biology and laboratory research. Bilingual training facilitator. Passionate about sustainable development and inclusive technology. Seeking impactful opportunities to drive meaningful change.

<b>Age</b>	<b>Nationality</b>	<b>Mobile</b>	<b>Address</b>
33 years old	Bénin	+221772722627	Dakar, Senegal
<b>Language</b>	<b>Driver Licence</b>	<b>E-mail</b>	
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## ■ Competences

### • Project Management:

Strategic planning, financial management, impact analysis, and team coordination.

### • Research & Development:

Experimental protocols, data collection/analysis, writing of scientific publications in the fields of molecular biology, genetics, biotechnology, ecology, and climate change

### • Website creation:

WordPress development (Hostinger), content management, and basic UX/UI.

### • Animation & Training:

Design and deliver bilingual (French/English) training courses for professionals and young audiences.

### • Technologies & Software:

JIRA, Trello, Power BI, MS Teams, QGIS, R, KOBOCOLLECT, Ampliflix, SerialCloner, and ODK.

## ■ Education

### Ph.D. in Plant Biology, option: Plant and Microbial Biotechnologies

Cheikh Anta Diop University Dakar, Senegal  
2022 → 2026

### Master in Plant Biology, option: Plant and Microbial Biotechnologies

Cheikh Anta Diop University Dakar, Senegal  
2018 → 2022

### Diploma in Environmental Management

Alison Online  
2024

### Bachelor's degree in Natural Sciences, option: Genetics, Biotechnologies and Natural Resources

University of Abomey-Calavi Calavi, Benin  
2012 → 2015

## ■ Training & Certifications

### Climate change: transitions to sustainability

The Open Learn University

### Monitoring and evaluation of a development project

Campus GROUPE AFD

### Climate Finance, climate advocacy, and sustainable development

Jacob's Ladder Africa (Africa Youth Climate Finance Fellow Cohort 2025)

### Climate change adaptation

ITT - Technische Hochschule Köln

### Project financial management

### Project management fundamentals

Disasterready

### Networking and stakeholder management

### Board Management

### Storytelling

Disasterready

## ■ Scientific Publications

2025

Exploring Microbial Diversity in Forest Litter-Based Fermented Bioproducts and Their Effects on Tomato (*Solanum lycopersicum* L.) Growth in Senegal. *Int. J. Plant Biol.* 2025, 16, 55. <https://doi.org/10.3390/ijpb16020055>

2021

Identification of type III effectors influencing the symbiotic properties of Bradyrhizobium vignae strain ORS3257 with various Vigna species. Published in *SciRep* 11, 4874 (2021). Available at: <https://doi.org/10.1038/s41598-021-84205-w>

## ■ Professional Experiences

### *Project writing and Management*

#### **Project Manager (BMZ)**

Aug 2025 → Nov 2025

- Authored and coordinated a climate resilience project in Africa, fostering youth engagement in environmental action.
- Obtained €9,000 in funding from the German Federal Ministry for Economic Cooperation and Development (BMZ).
- Implemented the project in collaboration with key partners, including the German Embassy, OXFAM, and the Delegation of the European Union.
- Managed media outreach, visibility, and communication strategy.
- Produced detailed financial and management reports to ensure transparency and accountability.

#### **Project Manager (European union)**

Mar 2025 → Jun 2025

- Designed and implemented a communication project promoting European Union initiatives, including the Global Gateway and Erasmus+ scholarships.
- Secured a grant of approximately €12,000 from the European Union to fund the initiative.
- Oversaw project execution, including financial management, reporting, and media communication.
- Prepared technical and financial reports, ensuring compliance with donor requirements.

### *Training facilitator consultant (Abuja Nigeria)*

#### **Facilitator (ASAF-African Student and Alumni Forum & MDF West Africa)**

Jun 2024 → Dec 2024

- Led strategic and logistical planning for high-level training sessions and stakeholder engagements.
- Co-designed and developed training agendas and content in collaboration with regional and international partners.
- Facilitated bilingual sessions and ensured effective English–French translation during meetings and workshops.
- Developed and provided training support materials tailored to participant needs.
- Conducted monitoring, evaluation, and reporting (M&E) to assess training impact and ensure continuous improvement.

### *ASAF Board member*

#### **Vice President in Charge of Regional Coordination and Integration**

Sept 2022 → Dec 2024

- Coordinated and supervised over 48 national representatives across Africa, ensuring strategic alignment and effective regional collaboration.
- Planned and implemented the network's annual activities in accordance with ASAF's vision and operational objectives.
- Organized and facilitated board meetings, ensuring timely decision-making and efficient follow-up on action points.
- Prepared and disseminated official meeting reports, promoting accountability and institutional transparency.
- Presented and defended the Board report during the annual General Assembly.

## ■ Professional Experiences

### Research Assistant

#### CIRAD - French Agricultural Research Centre for International Development

Oct 2020 → Dec 2024

- Managed molecular aspects of research projects on tropical soils and agroecosystems.
- Led research on nature-based solutions (MAB) for soil salinization adaptation.
- Contributed to the preparation of scientific reports.
- Conducted literature reviews and synthesized scientific knowledge.
- Designed research protocols and planned experimental trials.
- Implemented and monitored laboratory, greenhouse, and field experiments.
- Collected and analyzed data, ensuring rigorous scientific methodology.
- Authored activity reports and contributed to scientific publications.
- Communicated and presented research findings at scientific events.
- Contributed to multiple research projects on microbial-based bioproducts (ACEPT MABs, VALID MABs, FSPI AGRECOCARIBE.)

#### IRD - French National Research Institute for Sustainable Development

Jan 2019 → Oct. 2020

- Participated in the development of research protocols.
- Conducted in vitro and in vivo experiments to enhance legume-rhizobacteria symbiosis.
- Contributed to the ANR SymEffectors research project.
- Analyzed and interpreted research data, leading to the writing and publication of scientific articles.
- Presented research findings at scientific events.
- Authored and defended a Master's thesis based on a subset of the SymEffectors project data.

### Ministry of Secondary Education - Bénin

#### Teacher – Life and Earth Sciences (High School & Middle School)

Oct 2017 → Jul 2018

- Taught biology, geology, and environmental sciences to secondary school students.
- Designed and delivered engaging lessons aligned with the national curriculum.
- Implemented practical demonstrations and laboratory activities to enhance student learning.
- Assessed and monitored student progress, providing guidance and academic support.
- Developed and adapted teaching materials to improve comprehension and knowledge retention.

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## ■ Volunteering, Leadership and social engagement

### YAAC (Youth Alliance for Agroecology and Climate)

#### Co-founder and President

Nov 2024 → Now

- General coordinator of the network
- Lead the mangrove protection initiative
- Training design and implementation
- Climate education and climate initiatives

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## ■ References

### Dr. Clémence CHAINTREUIL

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### Mr. Hyppolite DOSSOU YOVO

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### Mrs. Dalila Aurel DOSSOU

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