

ALEXANDRE MAHOUGNON AUREL ZOUMMAN

Project Manager | Specialist in Life Sciences, Climate Adaptation & Food Systems

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SUMMARY

Project manager and junior researcher with 8 years' experience in scientific research, international coordination and development of innovative solutions. Specialist in plant biotechnologies, climate change adaptation and sustainable food systems. Strong skills in website creation, bilingual training facilitation and multidimensional project management. Passionate about sustainable development and inclusive technological approaches.

KEY COMPETENCIES

Project Management: Strategic planning, financial management, impact analysis, team coordination.

Research & Development: Experimental protocols, data collection/analysis, writing of scientific publications in the fields of Molecular biologies, genetics, plant and soil biotechnology, ecology, and climate change

Website creation: WordPress development (Hostinger), content management, basic UX/UI.

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

Technologies & Software: JIRA, Trello, QGIS, R, KOBOLLECT, Amplifx, SerialCloner, ODK, WordPress tools.

Languages: French (fluent), English (fluent), Fon (fluent), Mahi (fluent), Goun (fluent), Mina (medium).

PROFESSIONAL EXPERIENCES

Research Assistant

CIRAD (LMI IESOL/LEMSAT)

|Oct 2020 - Dec 2021

- Managed molecular aspects of research projects on tropical soils and agroecosystems.
- Led research on nature-based solutions for soil salinization adaptation.
- Coordinated research teams and 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, including ACCEPT MABs, VALID MABs, FSPI AGRECOCARIBE.

IRD (LMI LAPSE/LCM)

|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.

EDUCATION

Cheikh Anta Diop University, Dakar, Senegal

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

|2022 - Present

Master in Plant Biology, option: Plant and Microbial Biotechnologies

|2018 - 2020

University of Abomey-Calavi, Benin

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

|2012 - 2015

TRAINING & CERTIFICATIONS

Africa Youth Climate Finance Fellow Jacob's Ladder Africa <ul style="list-style-type: none">• Climate Finance• Climate advocacy• Sustainable development	Feb 2025 - Present
Summer school ITT - Technische Hochschule Köln, Germany <ul style="list-style-type: none">• Climate change adaptation	Sep - Oct 2024
Nuffic Orange Knowledge Program short-term training Wageningen University & Research <ul style="list-style-type: none">• Resilient and sustainable food systems for Food Secure Future	March - May 2024
Disasterready (online certificate) <ul style="list-style-type: none">• Project financial management• Project management fundamentals	2023 2023
ASAF (African Students and Alumni Forum) Networking and stakeholder management	2023

SCIENTIFIC PUBLICATIONS

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

YAAC (Youth Alliance for Agroecology and Climate) Co-funder and Chairman <ul style="list-style-type: none">• General coordinator of the network• Lead the mangrove protection initiative• Training design and implementation• Climate education and climate initiatives	Nov 2024 - Present
ASAF (African Students and Alumni Forum) Liaison Officer- In charge of Internal Affairs Task Force Vice President- In Charge of Regional Cooperation and Integration	Dec 2024 - Present Sept 2022 - Dec 2024
RJBD (Réseau des jeunes Béninois de la diaspora) Member	Sept 2023

REFERENCES

References available upon request