

Erasmus+ Programme
Mobility of higher education students and staff
KA171 Higher education mobility supported by external policy funds

Postgraduate Opportunity in Materials Science

The Department of Physics of Masinde Muliro University of Science and Technology (MMUST) and The Department of Earth and Geoenvironmental Sciences of University of Bari Aldo Moro (Italy), among other partners, were successful in their application for Erasmus+ KA171 Higher Education Mobility in the 2025 call. This opportunity grants the two institutions to have both staff and students exchanges between the two institutions for a period of 6 months.

MMUST and UniBA have collaborated in the Water Energy Food Nexus 2 Africa (WAGON2Africa) project (01/10/2024–31/03/2026). The project supported research in science, technology and digitalization, economics, business and management, and sustainable agri-food systems, natural resources, and the bioeconomy. This culminated in to signing of a collaborative agreement on teaching and research. In addition to WAGON2Africa, MMUST and UniBA are also participating in the BRIDGE Africa -Boosting Research Infrastructure for Development, Growth, and Empowerment in Africa project, funded by the Italian Ministry of University and Research under the Piano Mattei for Africa and G7 "Research Capacity Building with Africa" frameworks.

We are inviting applications from interested MSc, PhD and Post-doctoral students from MMUST in the field of Materials Science (Physics, Chemistry, Biological Sciences and Engineering) for a 6-month research visit at University of Bari Aldo Moro. The visit will be conducted anytime from October 2026. Applications focusing on Perovskite and Organic Solar Cells experimental research are highly recommended.

Dr. Victor Odari (MMUST) and Prof. Michele Zema (UniBA), among others, will jointly supervise the successful candidate.

Qualifications:

- MSc, PhD or Post-Doc in either Physics, Chemistry, or a closely related discipline

Experience and Knowledge:

Applicants should demonstrate:

- Knowledge in fabrication and characterization of perovskite and/or organic solar cells or in the materials for energy storage or materials for environment, water and sanitation.
- Strong aptitude for scientific instrumentation
- Intermediate computer programming skills

Application Requirements:

Applicants should submit:

- A comprehensive CV, including a publication list
- A motivation letter outlining suitability for the position
- A concept note of the proposed experimental work
- Names and contact details of at least three referees

Applications should be submitted by email to the address provided below as a single running PDF file.

Closing Date:

9 September 2026

Additional Information

During submission, the subject of the email should be: Application for ERASMUS+ KA171 Mobility (MMUST – UNIBA)

Enquiries:

- Dr. Victor Odari, email: vodari@mmust.ac.ke