



AFRICA-ai-JAPAN Project (Africa Union – african innovation – JKUAT and PAUSTI Network Project)

INTERNAL ADVERTISEMENT

AFRICA-ai- JAPAN PROJECT INNOVATION RESEARCH GRANTS

Introduction

AFRICA-ai-JAPAN Project is a joint initiative supported by the Japan International Cooperation Agency (JICA). To implement its objectives the AFRICA-ai-JAPAN Project is developing three main centres: Innovation and Prototyping Integrated Centre (*iPIC*), Innovation Centre for Molecular Biology and Biochemistry (*iCMoB*) and Innovation Centre for Bio-resources (*iCB*). AFRICA-ai-JAPAN Project mission is to build capacity of students and staff within the shared JKUAT and PAUSTI community. The respective aim of each of the centres is to understand and advance:

- i. Research and innovations in the area of engineering and related fields through innovative technologies that focus on local aspects and need – *iPIC* centre.
- ii. Molecular basis of biological activity in organisms (micro-organisms, human, animals and plants) as an avenue to enhance the development of innovative solutions to meet human needs – *iCMoB* centre.
- iii. Agricultural and related research through innovative bio-transformation of majorly locally available resources – *iCB* centre.

AFRICA-ai-JAPAN is currently offering innovation research funding opportunities to qualified JKUAT/PAUSTI post-graduate students and staff. Young scientists are encouraged to apply.

The applicants are allowed to submit applications in only one of the following thematic areas from the three main centres. Submitting an application to more than one area or submitting an application without specifying the area will lead to automatic disqualification:

THEMATIC AREAS

<i>iPIC</i>	<i>iCMoB</i>	<i>iCB</i>
<ol style="list-style-type: none"> 1. Environmental and Infrastructure Challenges. 2. Sustainable Transport Vehicles and Systems 3. Agricultural and Industrial Machinery Process. 	<ol style="list-style-type: none"> 1. Design and Drug Development. 2. Improvement of Disease Management. 3. Genetic Engineering. 4. Molecular Characterization of Endangered Species. 	<ol style="list-style-type: none"> 1. Food Security and Value Addition. 2. Biodiversity Conservation. 3. Animal Health and Production.

ELEGIBILITY CRITERIA

The Innovation Research grant is intended for persons of the following criteria:

1. Candidates **MUST** hold at least Bachelor's degree in the following areas:

iPIC – Civil Engineering, Mechanical Engineering, Mechatronic Engineering, Agricultural Engineering, Biosystems Engineering, Electrical and Electronics Engineering, Geomatic Engineering or other related disciplines.

iCMoB – Biochemistry, Biotechnology, Microbiology, Biology, Chemistry, Pharmacy, or other life sciences.

iCB – Horticulture, food science, Nutrition, Postharvest Technology, Animal Health and Production or other related disciplines.

2. Student applicants **MUST** be registered in a postgraduate course in JKUAT and **MUST** have an approved research proposal from their departments in JKUAT/PAUSTI.
3. Candidates who hold a grant for postgraduate studies funded by JKUAT or any other organization should give a full disclosure of the current grant to justify the request for additional funding.
4. Priority will be given to members of JKUAT staff and PAUSTI students.

In case of questions about the eligibility criteria, applicants should contact the AFRICA-ai-JAPAN Project office at jicapausti@jkuat.ac.ke prior to submission of the application.

Application Process

All applications must be received on or before **22nd March, 2016 at 1700HRS.**

Email: **iPIC applicants** at ipic@jkuat.ac.ke, **iCMOB applicants** at icmob@jkuat.ac.ke and **iCB applicants** at icb@jkuat.ac.ke with a copy to jicapausti@jkuat.ac.ke.

The applications must be submitted in one PDF format document containing the following information:

1. Personal and contact information.
2. The Curriculum Vitae, specifying the completed degree and any relevant information (publications, previous fellowships, mobility, professional experience, etc.) and two contact references (Name, Institution, Position, email).
3. Two reference letters from the referees proposed by the candidate. The referees must submit their scanned signed letters of recommendation directly to jicapausti@jkuat.ac.ke.
4. A motivation letter with declaration of interests.
5. A concept paper of not more than three pages.

Shortlisted candidates will be invited to make a ten minutes presentation on their areas of interest. Late applications as well as incomplete applications will not be considered.

For more information on *iPIC*, *iCMoB* and *iCB* please visit:

AFRICA-ai-JAPAN PROJECT OFFICE, JKUAT
P.O Box 62000-00200
Nairobi
Kenya
2nd Floor Engineering Laboratory Building (ELB 213)
Email: jicapausti@jkuat.ac.ke
@Task Force/JICA Project Office