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**UNIVERSITY OF NAIROBI**

**ENGINEERING AND SCIENCE COMPLEX PROJECT (ESC) 2025 JOINT RESEARCH GRANTS CALL FOR PROPOSALS**

The University of Nairobi invites applications for Joint research grants under the Engineering and Science Complex (ESC) project. These grants aim to support UoN faculty members and researchers to establish strategic partnerships with French partner institutions (Chimie ParisTech – PSL, AgroParisTech, Université Paris-Saclay, Université de Nîmes, Ponts, and Institut Polytechnique de Paris).

**About the ESC**

The Engineering and Science Complex (ESC) is a flagship project set to enable the University of Nairobi to revolutionize training in sciences, engineering, and information technology in order to achieve Kenya's Vision 2030. This project is a partnership between the Kenyan government and the French Development Agency (AFD). Primarily, the ESC aims to foster a triple helix mode of operation to ensure sustainable Academia engagements with industry and government.

The ESC Joint research grants are part of a broader strategy to position the ESC as a leading hub for research, innovation, and industry collaboration.

**Grant Size:** 7500€ (exploratory) or 15000€ (advanced)

**Duration:** Up to 12 Months

**Background:** These grants will support small-scale research projects collaboratively designed with French institutions, providing essential preliminary data or proof-of-concept studies to strengthen full-scale research grant applications. The primary objective is to establish research networks that are aligned with the ESC's Communities of Excellence (CoEs). Funding will cover short mobility, networking meetings, workshops, and preliminary research activities to demonstrate feasibility to potential funding partners. Additionally, the grant can support joint proposal-writing efforts, consultant fees, and travel costs for meetings with collaborators.

**Priority Research Areas**

Consideration will be given to proposals that align with the strategic goals of the ESC project and its Communities of Excellence (CoEs):

* **Innovation -** Maker space and fab lab, Prototyping facilities, PCB Fabrication, Precision Machining, Clean Room, project platforms, Innovation design, Management of unknown, Incubator for start-ups and open innovation, Technology transfer accelerator office
* **Advanced Manufacturing -** next-generation manufacturing processes, industry 4.0 or Prototyping and Modelling, Industrial processes, Robotics and automation
* **Computer Science -** AI and its applications, data science, cybersecurity, high-performance computing, Software engineering and other digital technologies and their applications in various development sectors
* **Agro and Food Engineering -** sustainable agriculture, food science and technology, food security, and innovative agricultural practices.
* **Biotech, Process and Chemical Engineering –** Bioprocessing and industrial biotechnology, Circular economy, Green chemistry, Environmental and process engineering, Drug processing and Biotechnology innovations.
* **Technology for Health** - Biomedical engineering, digital health solutions, AI-driven diagnostics and Biotechnology for health.
* **Urban development** - Data-driven urban solutions, including smart infrastructure and intelligent transport systems.
* **Energy** - Renewable energy technologies, smart grids, energy storage, green hydrogen and sustainable electrification solutions

**Application Deadline: 30th May 2025**

For more details and submission guidelines, please contact **[advancement@uonbi.ac.ke]**.

**Application Process**

Interested UoN faculty members and researchers are invited to submit their applications **(APPLY HERE: *https://forms.gle/TieYqZhc9ZTrujWu5*)** by **30TH MAY 2025**. Applications should include:

* A fully filled out Google form.
* A detailed proposal outlining research objectives, methodology, and expected impact.
* A budget breakdown and sustainability plan for resource mobilization.
* Confirmation of industry and/or French institutional partnerships.