JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

Setting Trends in Higher Education, Research and Innovation

Experiences in Open Access Publishing & Other Scholarly Communications

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2nd Global Summit on Diamond Open Access Conference 2024 , UCT, Cape Town, SA from 11th to 13th December 2024

Introduction

- African indigenous Vegetables Research Focus
- Multidisciplinary, Multi- Institutional & Participatory, Collaborative Research
- World Vegetable Centre was key Partner

JKUAT- 1991

Maseno University 1996

Introduction

Objective of the Research

To Promote Sustainable Production and Utilization of African indigenous Vegetables (AIVs) for Nutrition Security and Poverty Reduction in Kenya (Africa)

Introduction

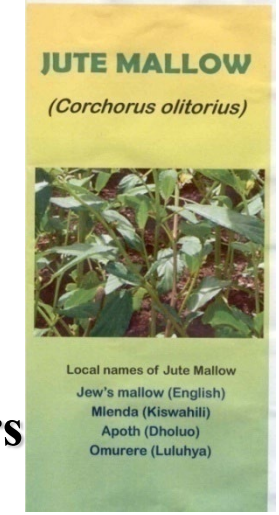
- Germplasm collection and evaluation
- Seed bulking, Processing and Packaging
- Characterization of AIVs
- Agronomic & Nutritional Studies

Introduction

- Advocacy and Outreach
- Capacity building
  - Undergraduate and post graduate students
  - Farmers and CBOs
  - Policy makers
- Dissemination

Impact & Effects of AIVs Research

6. A healthy Nation



5.Products

3. Good crop for farmers

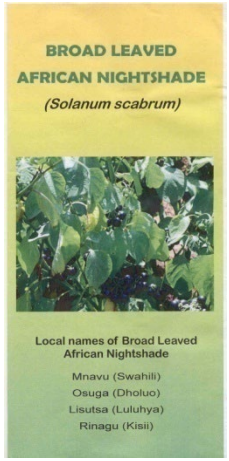
4. Availability & Consumption

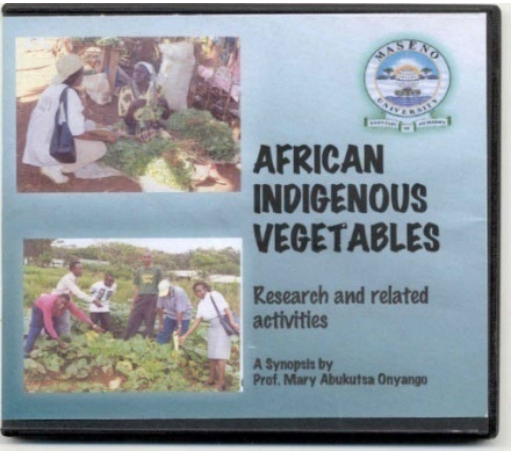
2.Leaflets

1.Quality seed

Publications and Communications

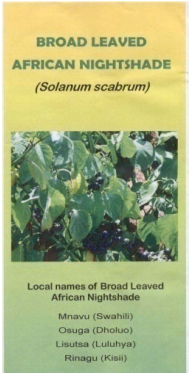
- **Scientific Papers Publications**
  - ❖ Traditional Print Journals (Long time)
  - ❖ International Journals (Biased Rejection)
  - ❖ Open Access Journals
- **Open Access Journals (DOAJ)**
- **African Journal of Food, Agriculture, Nutrition & Development (AJFAND) - 2007**





Open Access Publishing & IR

- Concept of Open Access Publishing - 2010
- Electronic Information for Libraries (Eifl)
- Consortium of Kenyan University Libraries CKUL
- Eifl & CKUL (Workshop) –Kenyan Universities at University of Nairobi
- Courtesy of AJFAND



Advocacy for IR and Open Research

Organizers/Presentation/Activity	Venue	Date
1. Eifl & CKUL (Workshop) –Kenyan University	UoN-CCU-Ke	9/2/ 2010
2. Importance of Open access video recorded	UoN-CCU-Ke	9/2 /2010
3. Eifl/JKUAT Open access workshop & IR	AICAD-Ke	8/2010
4. BioMed Central - Open access in Africa	KUCC-Ke	10 /11/ 2010
5.Eifl/UoN Open access & IR workshop	UoN- CCU-Ke	30 /8/ 2012
6. Eifl/UoN Open access workshop & IR	AICAD-Ke	18 /10/ 2012
7. Eifl &CUUL (workshop)- Agric Researchers	Kampala, Ug	14 /5/ 2014
8. KALRO/FAO – Open data & Open Science	Nairobi-Ke	15 /6/ 2015
9.IBM-JKUAT- Open data &Science, Cloud dev	JKUAT-Ke	29/6/2015
10. KLISC-Open Access Policy Formulation	Panafric Hotel-Ke	26/10/2016
11. KLISC-Open access policy implementation	Karatina Uni Ke	18 /05/2017
12. KLISC -Open access policy implementation	CUEA -Ke	26/07/2017

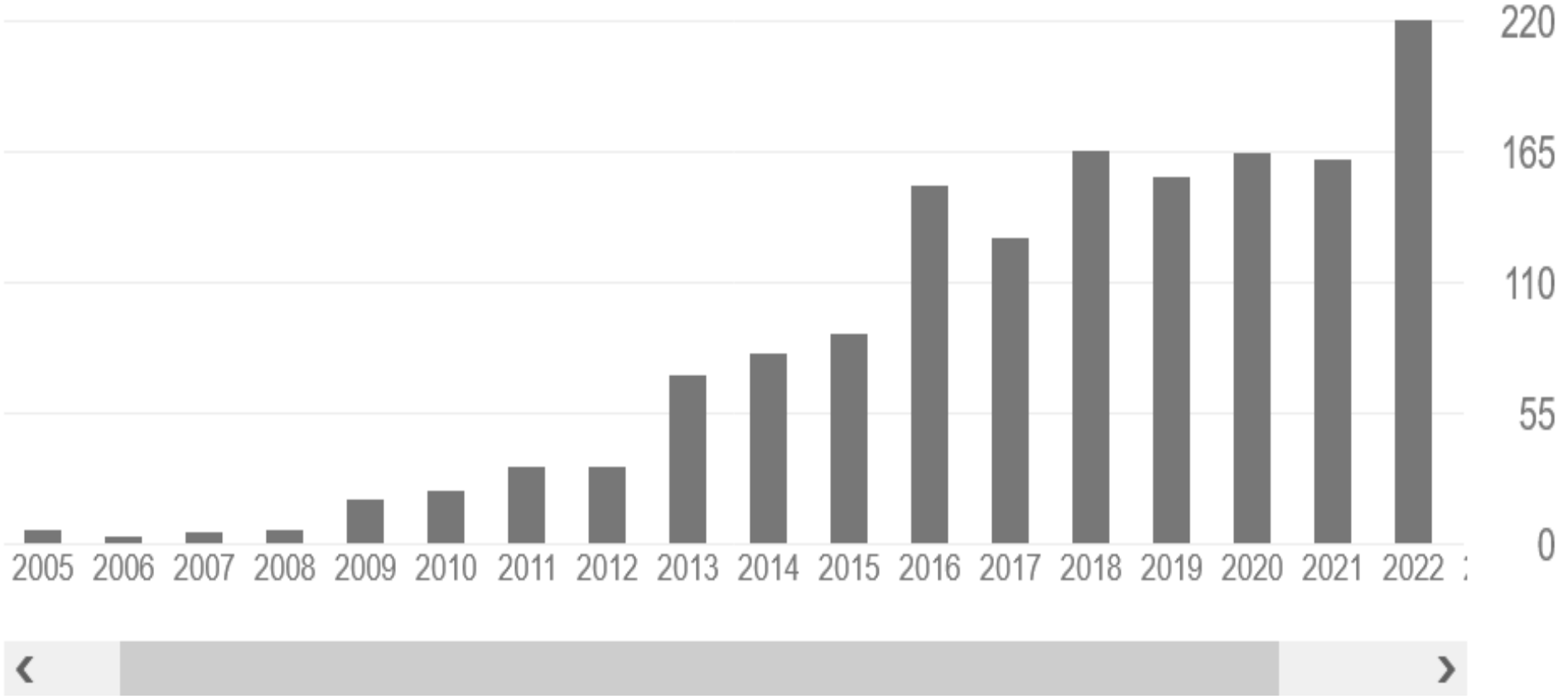
Advocacy for IR and Open Access Research

Organizers/Presentation/Activity	Venue	Date
13. KLISC-Open access publishing workshop	Nairobi-Safari Club -Ke	04/10/2017
14. KLISC/EIFL OP Policy Formulation workshop for Gv institution managers	Nairobi Safari Club-Ke	28/02/2018
15. Santa Clara university, California, USA	Zoom -USA	25/10/2018
16. University of Cape Town & SPARC	Cape town (S/A)	05 /12/2019
17. UCT- Diamond Open Access conference	Cape town (S/A)	11/12/2024

Publications and Communications

Publications & Channels of Communication	Approximate No.
1. Public Lectures and keynote speeches	40 (50% open access)
2. Theses	02 (50%)
3. Books and Book chapters	15 (50% e-books)
4. Dissemination Leaflets	15 (50% open access)
5. Technical Reports	10 (50% open access)
6. Technical Books and Booklets	11 (20%)
7. Magazine and Newspaper articles	20 (50% open access)
8. Audio and Videos (Documentary, Radio, TV)	20 (20% open access)
9. Scientific refereed conference papers	40 (80% open access)
10. Scientific refereed Journal Papers	40 (85% open access)
Total	213

My Google Scholar Citation

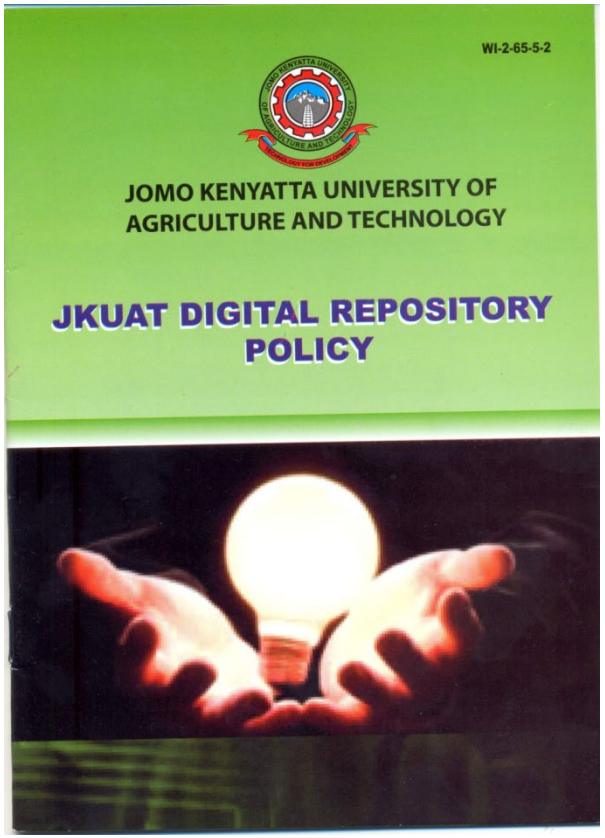


JKUAT Institutional Repository

Background

- Open access sensitization workshop for Kenyan Universities and publishers
  - February 2010 –UoN- CCU
  - CKUL & EIFL
  - Video on the importance of open access publishing
- Open access introduced to JKUAT
  - Workshop on benefits of OP
  - JKUAT Library & EIFEL
  - Creation of a committee to develop OA Institutional policy

JKUAT DR Policy

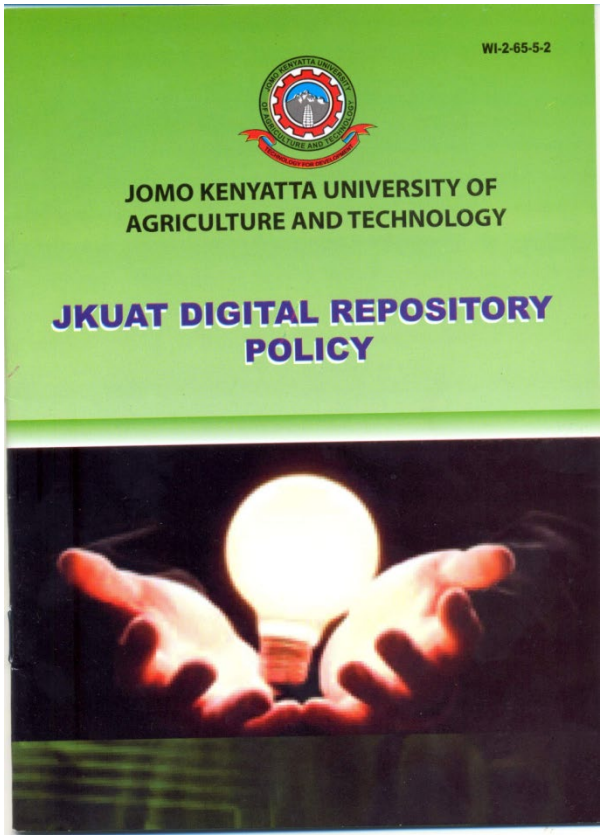


JKUAT-Institutional Repository

Development

- OA policy was developed between 2010 and 2012
- Approved and adopted on 22nd of June 2012
- IR publicly launched by the VC

JKUAT DR Policy

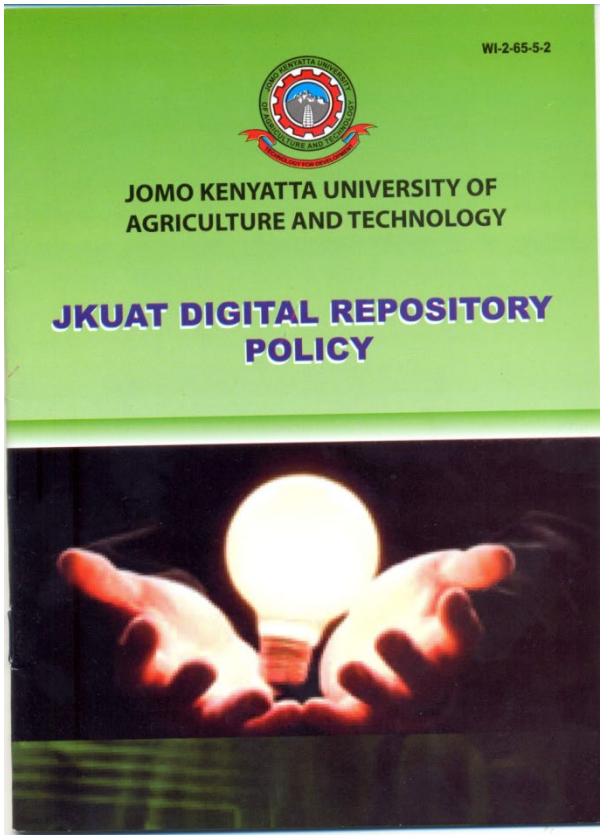


JKUAT Institutional Repository

ir.jkuat.ac.ke

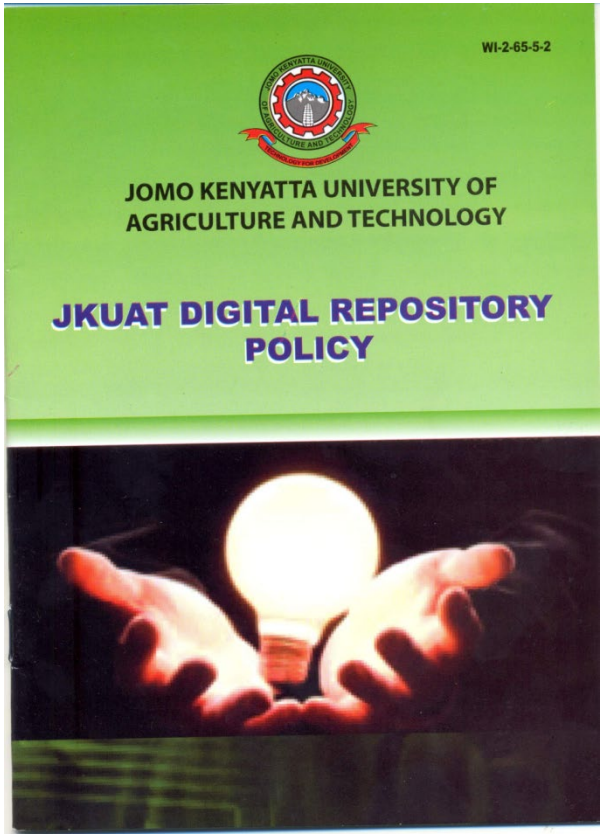
- Collects, Preserves, and Distributes digital materials available at Jomo Kenyatta University of Agriculture and Technology.
- Communities in the Repository
- JKUAT Graduation Ceremony
- JKUAT in the news
- JKUAT Journals
- JKUAT Key Speeches
- JKUAT Library

JKUAT DR Policy



JKUAT Institutional Repository

- Policies/Reports/News
- Research papers/conference proceedings
- Theses and dissertations
- University projects and collaborations
- Search Abukutsa on JKUAT Digital Repository

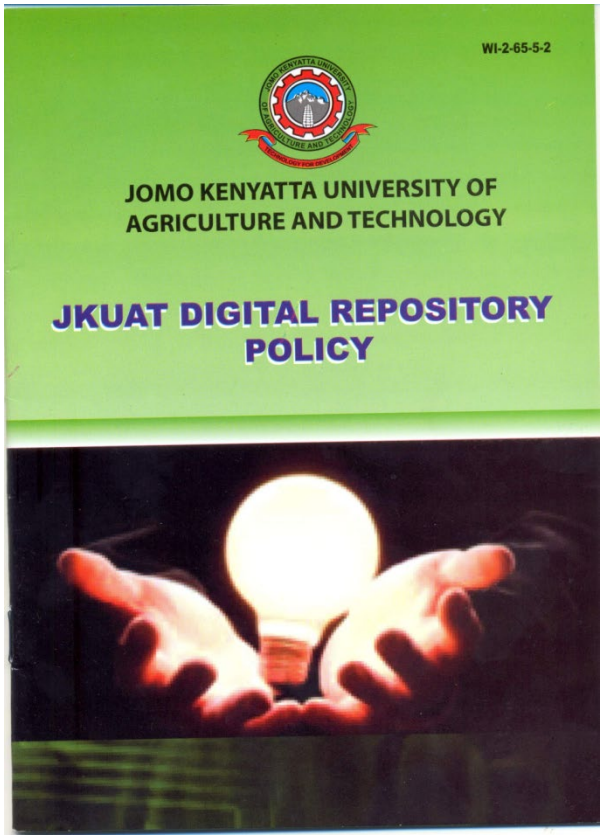


Benefits and Achievements

Achievements

- The issue of the IR has been taken up by the Vice Chancellor who constantly follows up on progress
- The VC has made it mandatory for JKUAT staff to have Google Scholar accounts. This makes it easier for the library to harvest research by JKUAT researchers
- Ranking of Universities

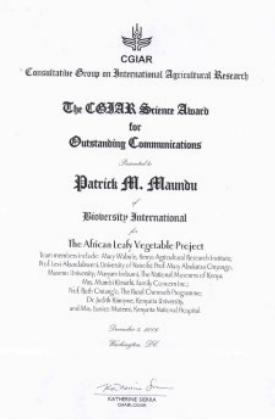
JKUAT DR Policy



Benefits of IR and Open Research

- Dissemination of Information to end users
- Knowledge and Information Sharing
- Availability of Reference Materials for Scholars
- Information and knowledge for Development
- Visibility of Scholars- citations on Google scholar
- Professional Advancement
- Invitations to conferences as Keynote speaker
- Increased collaborations
- Job opportunities and Consultancies
- Repositioned AIVs to Super Vegetables
- Recognition and Awards: Edinburgh Medal 2014
- National Outstanding Research Award- Kenya-2024

Recognitions and Awards


CGIAR
Consultative Group on International Agricultural Research

The CGIAR Science Award
for
Outstanding Communications

Patrick M. Maundu
of
Bioversity International
for
The African Leafy Vegetable Project

1.CGIAR-2007; 2. Gender & Diversity-2009 3. AU Award-20109. 9. NORA Award 2024

4. CTA/FARA/RUFORUM-2009-African Woman Scientist Competition-1st Prize
5.RUFORUM IMPRESSA Prize- July 2010-3rd Position
6.Elder of the Order of the Burning Spear (EBS)
7. Edinburgh Medal in 2014, city of Edinburgh
8. http://www.nature.com/news/the-rise-of-africa-s-super-vegetables-1.17712
9. National Outstanding Research Award (NORA) Kenya 2024

Challenges

- Poor internet connectivity (ICT)
- Inadequate ICT infrastructure
- Inadequate advocacy and misconceptions
- Managing IP Rights issues
- Lack of awareness of publisher copyright and obligations. Researchers end up publishing in journals that restrict open access making it impossible to upload their work in our IR
- Harvesting research is a tedious process because the library has to confirm with different publishers on archiving rights

Conclusions

- Deliberate efforts should be made and policies and strategies put in place to support OAP
- Scientific Research findings must be effectively communicated to the public for impact on society and policy by repackaging them (Real Impact?)
- Researchers and scholars should make efforts to publish in open access journals
- Develop enabling environment for open Science and OP publishing for researchers
- Identify African Open Science Champions (AAS)
- Clear Reward systems be established

Thank You