



UNIVERSITY OF NAIROBI

Annual Report 2015

INTELLECTUAL PROPERTY

The Intellectual Property Management Office (IPMO) conducted a series of activities under the objectives of the University's Intellectual Property Policy. The activities included raising the level of awareness of Intellectual Property among students and staff of the University. The office aims at encouraging and motivating researchers and innovators to disclose and protect their intellectual creations so that they can be transformed into useful and commercializable products for the benefit of the researcher, the University and the society. The IP protection of research output will also increase the visibility of the University. The IPMO also conducts technology scouting and acquisition even from outside the University. The University has secured rights to various IP products as indicated in this section. The IPMO has also embarked on a rigorous campaign to commercialise the IP assets of the University.

Definition of Intellectual Property

Intellectual Property is composed of three broad branches.

- Industrial Property which comprises protection of patents, Utility Models , Industrial Designs and Trademarks
- Copyright which comprises protection of literary and artistic works
- New Plant Varieties

Patents and Utility Models

These protect advancements in fields of technology. An invention that can be protected as a patent always solves a problem. This may be a new product, process or new use of an existing product.

In order to get patent protection for an invention, the invention must be disclosed in a manner that is enabling to a person skilled in that field to be able to work it out. In exchange for disclosure, no commercial activity can be carried out on the invention including manufacturing, selling, stocking and importing. Patent protection exposes the technology to other parties who may have interest in developing it and the owner may licence or assign the technology in exchange for agreed payments or royalties.

A patent document has a specific format required by the law as provided under the Industrial Property Act 2001. The format and content is different from a thesis. The Intellectual Property Management Office IPMO assists inventors to put their invention in

their required format and files the patents with the relevant government office. The IPMO is also working on ways of linking the inventions with the relevant industries for further development or licensing. The IPMO also works with the University's Science and Technology Park for possible incubation of the technologies.

Patents and Utility Models (New solutions to technical problems)

Name of innovator	Status	Type of Invention/Innovation	Title/Summary of invention
Mr. Patrick Mulyungi	Undergraduate CBPS	Utility Model	Highway hydraulic electricity generator, a system for converting into electricity the compression force exerted on road surface by vehicles
Dr. Omondi Bowa A.	Lecturer CHSS	Utility Model	Cooking gas cylinder transportation rack, -for holding down gas cylinders in a passenger vehicle
Mr. Peter N jenga	Postgraduate CBPS	Patent	Antimicrobial agents produced by <i>Xenorhabdus griffinae</i> strain xn 45. This invention relates to antimicrobials used for treating infections caused by antibiotic resistant bacteria.
Ms. Lorine Nanjala	Postgraduate CBPS		
Mr. Musumba Awori	Postgraduates CBPS		
Wanyonyi Wycliffe Chisutia	Department of Chemistry, College of Biological and Physical Sciences	Patent	New eco- friendly and clean method of processing hides and fish skins into leather using alkaline protease enzyme - The invention relates to an eco-friendly bio-processing method for the processing of hides and fish skin from Nile Perch (<i>Lates niloticus</i>) into leather, comprising mainly enzymatic treatment of the hide or skin with crude alkaline proteases enzyme in the pre-tanning steps.
John Mmari Onyari	Department of Chemistry, College of Biological and Physical Sciences,		
Paul Mwanza Shiundu	Department of Chemical Sciences and Technology, The Technical University of Kenya		
Francis Jackim Mulaa	Lecturer CBPS -Department of Biochemistry, College of Health Sciences		
Ms. Margaret Wanjiku Murage	Already finished - post graduate	Patent	Increasing the consumption of essential long chain fatty acids through fortification of yoghurt with omega-3 pufa from Nile perch oil. These compositions are flavoured if desired.
Dr. Jane Ambuko	Lecturer CAVS	Patent	The Zero Energy Brick Cooler (ZEBEC) is a cooling chamber that operates on the principle of evaporative cooling.
Mr. Dennis Mutuma Jabani	Not in University	Utility Model	Solar - powered TV internet station
Dr. Joseph Chege	Not in University	Patent	A drug for treating cancer, a safe amphiphilic drug identified as DCF-3856.

Copyright (Protection of literary and artistic works)

Copyright protection includes books, thesis, magazines, art, photographs, movies, music and computer programs.

Name of innovator	Status	Type of Invention/Innovation	Title/Summary of invention
Mr. Zablon Wanyama et al	Intern at C4DLAB	Copyright	Mobile phone application: Provision of food marketing data
Mr. Peter Arnold Ndirangu	Lecturer	Copyright	Mobile phone application: Multiagent system (MAS) for credit referencing
Mr. Jared Okoyo Onsomu et al	Post graduate CAVS	Copyright	Mobile phone based crop diagnostic system
Mr. Antony Munene Maina	Undergraduate	Copyright	Mobile phone application – an application to subsidize calling rates for university students
Dr. Syokau Ilovi	Lecturer CHS	Copyright	This is an application useful for archiving and retrieving conversations. The innovation will allow linkages of conversations between individuals to be retrieved and stored in a friendly user interphase

Trademarks

These are words and signs that identify ones product and services and are associated with quality and standards of that entity.

TRADEMARK NO.	TRADEMARK NAME	CLASS
84051	Kenya Wonder	31 Bean Variety
84052	Kabete Super	31 Bean Variety
84053	Uniseed	31 Seed Unit
84054	Kenya Early	31 Bean Variety
84055	Red Kidney	31 Bean Variety
84056	Unibio	31 Nature Park
84057	New Rose Coco	31 Bean Variety
84058	Unichick	31 Chicken
84059	Super Rose Coco	31 Bean variety
84060	Kenya Sugar Bean	31 Bean Variety
68021	Fountain of Knowledge	41 Education, Providing training, entertainment, sports & Cultural activities
81210	Nuchem	3 Detergents
88784	Nairobi Innovation Week	41 Organising of Educational & Innovations Exhibitions

New Plant varieties Protection

The following bean varieties which have been developed by Prof. Paul Kimani under the CAVS have been protected under the **Seeds and Plant Varieties ACT Cap. 326 through KEPHIS**. Some of these varieties have been formally released and gazzeted by the Ministry of Agriculture, Livestock and Fisheries.

These new bean varieties include canning beans. These are Kenya's first locally developed canning bean varieties that fully meet agronomic requirements of farmers, and the stringent canning criteria of the canning industry.

The new bean varieties also include very unique small reds with upright growth habit, with good yield potential, resistance to disease and tolerance to drought.

The IPMO has applied for protection in KEPHIS for these listed new bean varieties. The IPMO has initiated the process of commercialization of these new bean varieties. This includes identifying potential companies to produce breeder seeds under license, drafting the various licensing agreements and following up on payments.

No.	Name
1.	KCB13-01
2.	KCB13-02
3.	KCB13-03
4.	KCB13-04
5.	KCB13-05
6.	KCB13-06
7.	KCB13-07
8.	KCB13-08
9.	KCB13-09
10.	KCB13-10
11.	KCB13-11
12.	KCB13-12
13.	KENYA TAMU
14.	KENYA SAFI
15.	KENYA MAVUNO
16.	NPP670
17.	ROSECOCO MADINI
18.	KENYA MAUA
19.	KENYA MAJANO
20.	KENYA MADINI
21.	KENYA CHEUPE
22.	KENYA AFYA
23.	KENYA ALMASI

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