



Jena Life Products

Prof. Ogwang Patrick Engeu

Chairman & Founder Jena Herbals Limited

Jena Herbals Ltd

A leading herbal medicine manufacturing industry in Uganda.

Founded in 2006 by Prof. Dr. Ogwang Patrick Engeu,
aka Dr. Malaria, Prof. Covidex.

Vision:

- To serve humanity with quality natural health products

Mission:

- To research, develop, manufacture and provide quality natural health products based on **Indigenous African knowledge, science and technology**, applying modern scientific approaches to address global health challenges



Prof. Dr. Ogwang Patrick Engeu



B.Pharm, Makerere University.

MSc Pharmacology, Makerere University.

PhD Natural Products Development, Makerere University.

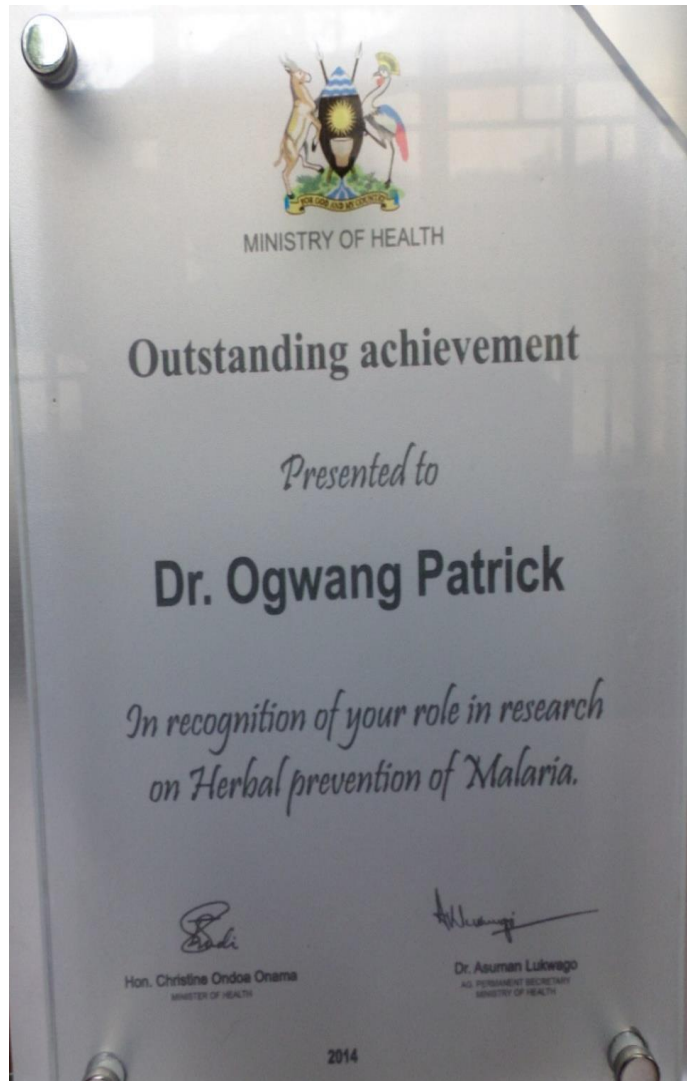
Associate Professor of Pharmacy,
Mbarara University of Science and Technology.

Founder & Chairman,
Jena Herbals Ltd, Manufacturer of over 17 herbal products
including Covidex and JenaMal (formerly Artavol).

Recipient & Holder of many awards from National and
International institutions.



Ministry of Health Uganda Award



Recognition of the

Herbal Prevention of Malaria Research

- August 2014 -





FORESTS AS A RESOURCE AND A
POTENTIAL SOLUTION TO HUMAN

Have you seen a hospital for wild animals in Ug?



Or a pharmacy where wild animals go to get medicines when they are sick?



The secret of wild animals' health is the Forests



The forest is their Restaurant and Pharmacy

Do you know what a forest is called in Ateso?



Forest is
Amagoro
&
Medicine from a
Forest is called
Atagoro

PHYTONCIDES



Forest Therapy
and its Healing
Effects (Prof Dr.
Iwao Uehara.)

Pharmaceutical vs Herbal Medicine



Almost all pharmaceutical drugs like quinine, coartem, digoxin, metformin etc are derived from or based on plants

Pharmaceutical vs Herbal Medicine

Parameter	Pharmaceutical	Herbal or Atagoro
Medicine constituents	Usually one or few synthetic actives	Many natural actives
Source	Total/partial synthesis, biotechnology, by man	Plants or other natural sources
Treatment focus	One disease one drug, so you find someone taking too many tablets	Multifactorial , one or two herbs are usually enough
Side effects	Part of treatment	Rare and usually mild
Cost	Not affordable to Majority	Almost costless

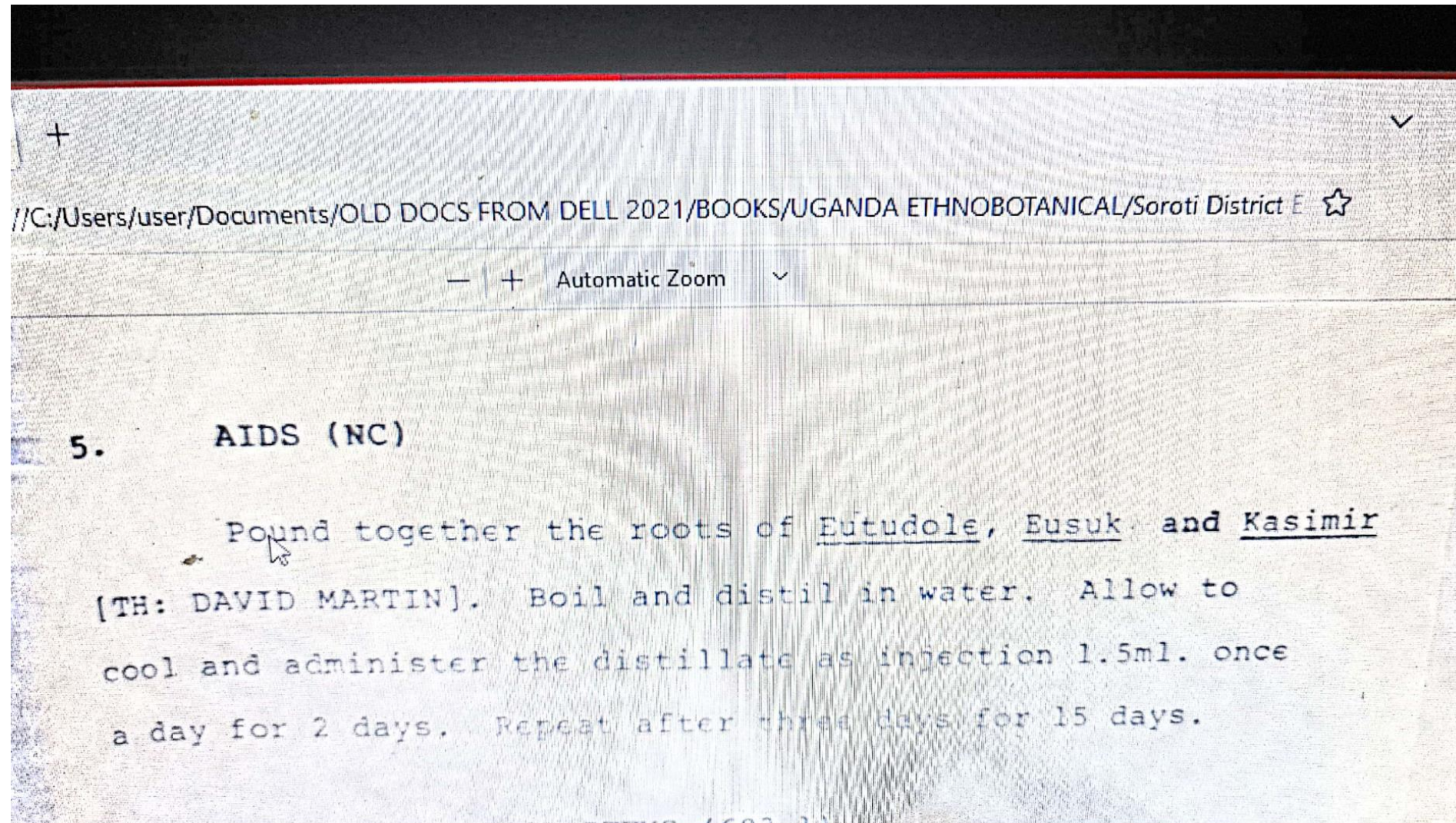




Do natural medicines work?

Do Atagoro work?

Herbalists treatment for HIV/AIDS in 1990s



Scanned with CamScanner



Scientific evidence of plants Antiviral effects

LOCAL NAME	LATIN NAME	ACTIVITY	REFERENCE
Eutudole (African peach)	<i>Nauclea latifolia</i>	Root extract--Invitro anti-Herpes Simplex virus	Donalisio et al 2013, BMC Complementary medicine & therapies
Eusuk	Zanthoxylum species	Contains Berberine which inhibits HIV-1 viral entry into cells	Shao etal 2020, AMB Express
		Two new sesquiterpenoids that inhibited HIV replication in lymphocytes	Cheng etal 2005, Bioorg Med Chem
	Chelerythrine, sanguinarine Berberine	cpds identified in zanthoxylum spp -Anti-HIV compounds, -Anti-COVID-19 cpd	Ogwang et al 2017, IJPR Aradi et al 1997, patentWO/1997/040844,

Case of Large Wound treated using JenaCure

A 9 year old boy, got injured on the leg while playing football and after 4-5 days, the leg started swelling and paining and he was taken to a clinic.

- An I&D was done to drain pass but it kept recurring and several I&D's were administered.
- The child was taken to Nsambya hospital, amputation recommended at a cost of UGX 800,000. which the parents could not afford.
- The Child was then taken to Mengo hospital and amputation was recommended at 600,000ug.shs but still the parents could not afford
- They were then referred to Mulago NRH and amputation recommended for free
- However a friend of the child's mother opted for Natural chemotherapeutics Research Laboratory and brought the mother and child to us.

Day 1 - the boy was brought with plaster

JENACURE



Day 1 after plaster removed and herbal treatment initiated

JENACURE



After 2 weeks of herbal formula application

JENACURE



Complete wound healing after 3 weeks of herbal formula application

JENACURE



One month of treatment with Herbal formulation

JENACURE



The boy is now at school with his two legs and the Mother says he is able to kick the ball again.

Why do Natural Medicines sometimes fail to work ?

- Correct dose & correct Disease is very important
 - No drug treats all diseases or all patients
- Stability of the active components in the formulation/products
 - Compounds breakdown and lose curative powers
- Quality control & Quality Assurance
 - Batch to batch consistency is a challenge in natural medicine production





Medicinal Forest trees & Jena Products for Commercial Utilisation

Warburgia ugandensis (COVIDEX tree)



Jenacof, Jenafllu & Covidex are enough to Keep the family free of all upper respiratory system diseases

Zanthoxylum species



JENACID FOR
PEPTIC
ULCERS

Rauwolfia species



Jena HT for
high blood
pressure and
arrythmias

Eucalyptus globulus & Cymbopogon citratus oils



Oils we use as flavours & natural preservatives in our medicines. 1 L is at UGX 250k to 300k & current not adequate in the country.

Prunus africana



Jenaprost for prostate
care

Kigelia africana



Jenapower improvement
in hormones and vitality

Jena DM

- **Dosage Form:** Herbal Extract Pellets
- **Quantity per pack:** 100 g
- **Active Ingredients:** *Artemisia annua*,
- **Other Ingredients:** *Persea americana*, *Cymbopogon citratus*
- **Indications/uses:** Supplement for diabetic and prediabetic glucose control in type 2 diabetes mellitus, immune enhancement and reduction of neuropathies & other complication



JenaMal

- **Dosage Form:** Herbal Extract Powder
- **Quantity:** 100 g
- **Main Therapeutic Claim:** Malaria Prevention
- **Active Ingredients:** *Artemisia annua extract*
- **Other Ingredients:** *Persea americana, Cymbopogon citratus, Manihot esculenta*
- **Indications:** Prevention of malaria, reduction of fatigue and fever, and improving general body immunity



Artemune

- **Dosage Form:** Herbal Extract Powder
- **Quantity:** 100 g
- **Main Therapeutic Claim:** Immune-booster for all
- **Active Ingredients:** *Moringa oleifera*, *Artemisia annua*
- **Other Ingredients:** *Persea americana*
- **Indications:** Supportive treatment for viral infections including HIV infection. Enhancement of immunity in immune-compromised individuals.



Jena SM

- **Dosage Form:** Herbal Syrup
- **Quantity:** 100 ml, 1 L
- **Main Therapeutic Claim:** Anti-sickling Remedy
- **Active Ingredients:**
Zanthoxylum chalybeum,
Persea americana and
Cymbopogon citratus
- **Other Ingredients:** Honey,
Sugar



JenaFIT

- **Dosage Form:** Herbal Extract Powder
- **Quantity:** 100 g
- **Main Therapeutic Claim:** Control and maintenance of body weight
- **Active Ingredients:** *Rumex usambarensis*
- **Other Ingredients:** *Persea americana*



Jenadent for Dental Care & Jenamos for skincare



Conclusion

➤ Forests give us very useful non timber products;

- Medicines
- Nutraceuticals like Bee products
- Phytoncides
- Oxygen or clean air
- Water or rain
- ETC

Every year plant trees; Join our Trees for Life Movement

