



**ELPASSO**  
FARMS

# AFRICAN ECONOMIC DEVELOPMENT PLAN

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**Dr. Brylyne Chitsunge**

*Pan African Ambassador for Food Security*

*Chancellor of Pan-African Agriculture and Commerce University*

*Cannabis Science Scientific Advisory Board*











STRY: MINERAL RESOURCES MINISTER MOSEBENZI ZWANE BRITAIN PRO

TRIKER SOLDADO SIGNS FOR FENERBANCE MOURINHO REVEALS IBRAHIMOVIC TALK  
0.39 FIRSTSTRAND 54.1922 0.59 GFIELDS 55.4001 0.11 GROWPNT 24.81





# CANCER AND FOOD SECURITY

## *DO OUR PATIENTS HAVE ENOUGH TO EAT?*

- Food insecurity among urban low-income cancer patients
- USA study led by Memorial Sloan Kettering Cancer Center in New York shows that:  
**“Underserved (low-income) cancer patients had rates of food insecurity nearly 5 times that of the state average.”**

***IMAGINE THE SITUATION IN AFRICA!***

# MANDELA QUNU FOOD SECURITY



# MANDELA QUNU FOOD SECURITY



# CANCER AND PHYTOMEDICINES



**INVESTIGATION:** Using cannabinoids to target both Cancer and cancer pain. Ongoing collaboration with Harvard and Stellenbosch University

TWO PUBLISHED ARTICLES IN FRONTIERS IN ONCOLOGY:

NANOPARTICLE DRONES TO TARGET LUNG CANCER WITH  
RADIOSENSITIZERS AND CANNABINOIDS (SEPTEMBER 2017)

**12,000**

Article views

**96%**

More views than all other Frontiers' articles

ENHANCING THE THERAPEUTIC EFFICACY OF CANCER  
TREATMENT WITH CANNABINOIDS (APRIL 2018)

**3,700**

Article views

**75%**

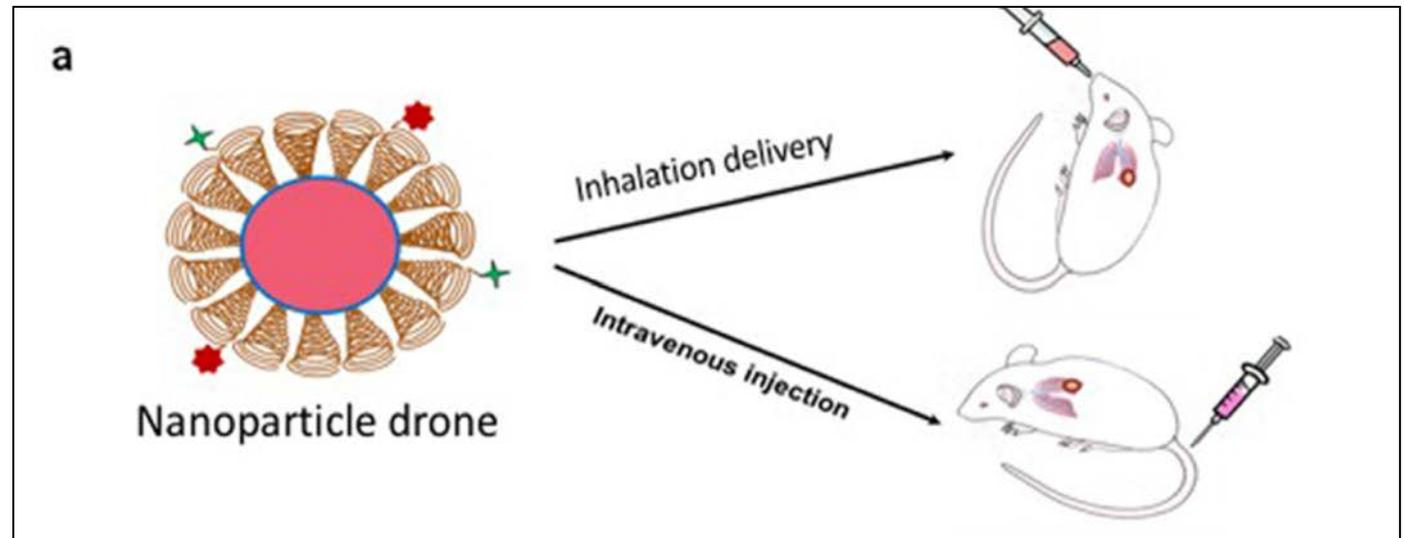
More views than all other Frontiers' articles

# CANCER AND PHYTOMEDICINES



**INVESTIGATION:** Using cannabinoids to target both Cancer and cancer pain. Ongoing collaboration with Harvard and Stellenbosch University

**Study: Nanoparticle Drones to Target Lung Cancer with Radiosensitizers and Cannabinoids for greater therapeutic efficacy and safety**



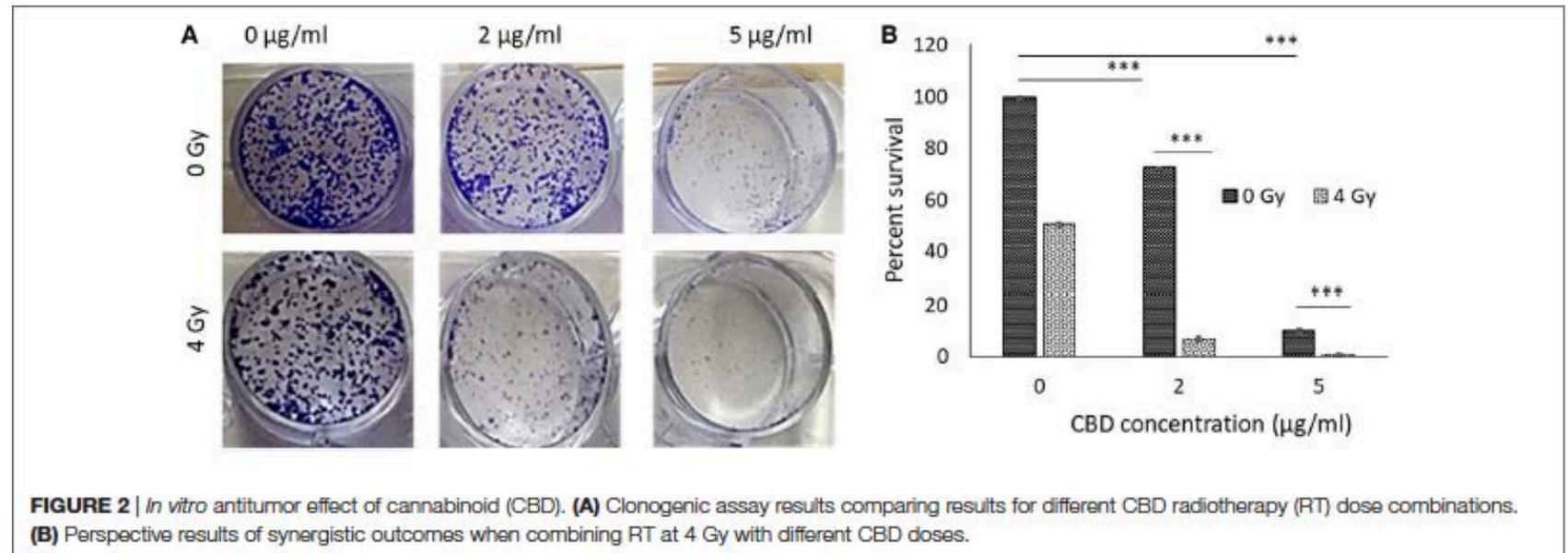
<https://www.frontiersin.org/articles/10.3389/fonc.2017.00208/full>

# CANCER AND PHYTOMEDICINES



**INVESTIGATION:** Using cannabinoids to target both Cancer and cancer pain. Ongoing collaboration with Harvard and Stellenbosch University

Study showed that combining CBD with radiotherapy was more effective in killing lung cancer cells



# CANCER AND PHYTOMEDICINES



**INVESTIGATION:** Using cannabinoids to target both Cancer and cancer pain. Ongoing collaboration with Harvard and Stellenbosch University

*Clinical Trials in Africa at Stellenbosch and elsewhere to be powered by Elpasso Farms*

## **WE ARE LOOKING FOR PARTNERSHIPS FOR:**

- Education and training including online classes
- Research collaborations including clinical trials and research on food security for cancer patients in Africa
- Care: Ensuring safety working with Harvard and others for using tiny drones to target cancer and pain with cannabinoids

# CANNABIS SCIENCE GLOBAL CONSORTIUM



**UNIVERSITIES  
FOUNDATIONS  
CORPORATIONS  
PRIVATE INVESTORS**

**Cancer  
Research**

**HIV/AIDS  
Research**

**Autism  
Research**

**Parkinson's  
Disease  
Research**

**Epilepsy  
Research**

**PTSD  
Research**

**Chronic Pain  
Research**

**Arthritis  
Research**



# AFRICAN ECONOMIC DEVELOPMENT PLAN

1. EDUCATIONAL DEVELOPMENT

2. CANNABINOID DRUG DEVELOPMENT

3. JOB CREATION

Through the creation of a robust University infrastructure, CBIS can provide an Economic Development Plan based on the target needs of any community in the areas of education, research, job creation, and drug development.



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# AFRICAN ECONOMIC DEVELOPMENT PLAN

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## 1. EDUCATIONAL DEVELOPMENT



*CBIS has the ability to link University's Programs as well as provide the framework for affordable and quality education.*

- Creation of University infrastructure
- Affordable education made available
- University scholarships and additionally subsidized education packages
- Links to our Consortium of Universities



# AFRICAN ECONOMIC DEVELOPMENT PLAN



## 2. CANNABINOID DRUG DEVELOPMENT



*Our team is comprised of many leading experts that are conducting research and development within a variety of initiatives aiming to provide better quality of life for patients around the world.*

### CLINICAL RESEARCH

Cancer, HIV/AIDS, Autism, Parkinson's Disease, Epilepsy  
PTSD, Chronic Pain, Arthritis

### DRUG DEVELOPMENT PROGRAM:

1. Defining the effectiveness and specificity of cannabinoids.
2. Identifying and testing drug delivery mechanisms
3. Testing and evaluating the impact of co-interventions, and the application of additional diagnostic and/or therapeutic procedures to participants in randomized controlled trials.



### CBIS PRODUCTS

- Cannabis Inhalation Aerosol – AC Drone Technology
- Solace Drops
- Relief Tonic
- Healing Balm – Topical Pain Relief
- Wholesome Honey Oil
- CBIS Transdermal Patch
- CBIS Rectal Suppository
- CBIS Vaginal Suppository with Applicator
- CBIS Hemp CBD Capsules
- Pure Hemp CBD Capsules

# AFRICAN ECONOMIC DEVELOPMENT PLAN

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## 3. JOB CREATION



*Through entrepreneurial programs and vertical integration Cannabis Science can provide community job opportunities*

### **HEALTHCARE INFRASTRUCTURE:**

Hospitals, Health Centers, and Educational Facilities; Drug development; and Medical Devices.

### **FOOD SECURITY AND AGRICULTURE:**

From the farm to the table. Food security begins with sound agricultural practices that produce sufficient food and are designed to reduce poverty. Water management and safety, food preservation are additional core components of sound agriculture and food policy. Environmental factors are important risk factors for infectious disease epidemics.

### **EDUCATION AND TRAINING:**

At the heart of job creation is education and training. Sustainable models of education and training are associated with important areas of development, including industrial sectors such as drug development/treatments; agriculture/food safety; communications; investments; and engaging political environments.

### **TECHNOLOGY/TELECOMMUNICATIONS:**

Satellite, Internet, mechanical device development, and cellphone infrastructure are all important components of healthcare, educational, and economic development. In addition, dynamic media exposure defines how communities perceive themselves and respond to their problems.

### **POLITICAL AND POLICY ENVIRONMENTS:**

Policy, regulatory, and jurisdictional contexts that outline public healthcare; and agricultural, educational and training contexts that in turn define the health and economic well-being of all communities.

# AFRICAN ECONOMIC DEVELOPMENT PLAN

## PAN-AFRICAN AGRICULTURE AND COMMERCE UNIVERSITY (PAACU)



Elpasso farm Map



### 1. Educational Development

- Agriculture, Medicine, Law, Business Programs, and Certificate Courses

### 2. Cannabinoid Drug Development

- Formal research programs in the key areas of Cancer, PTSD, Chronic Pain, Arthritis, Parkinson's Disease, Epilepsy, Autism, and HIV/AIDs;
- Seed Incubation;
- Growth;
- And cultivation of a variety indigenous plants including Cannabis and Hemp.

### 3. Job Creation

- Through vertical integration the 1,000– acre Elpasso project will implement an economic development to provide jobs throughout the community



# AFRICAN ECONOMIC DEVELOPMENT PLAN

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## WE ARE LOOKING FOR NEW PARTNERSHIPS

Government Agency Partners

University Partners

EDU/Teachers/Scholars

Laboratories

Doctors/Nurses

Foundation Support Media Procurement

Private Investor Opportunities

Private Company Partners and Investments

Job Creation Partners all areas of business for the full site plan and operations

On the Job Training and Security



# ACKNOWLEDGEMENTS

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Prof. Wil Ngwa

