

Monetizing the Plant-based Medicine Industry

The Eden Gardens Group of
Companies Experience



Jamaica Stock Exchange

Regional Investments and Capital Markets

Conference

January 2018

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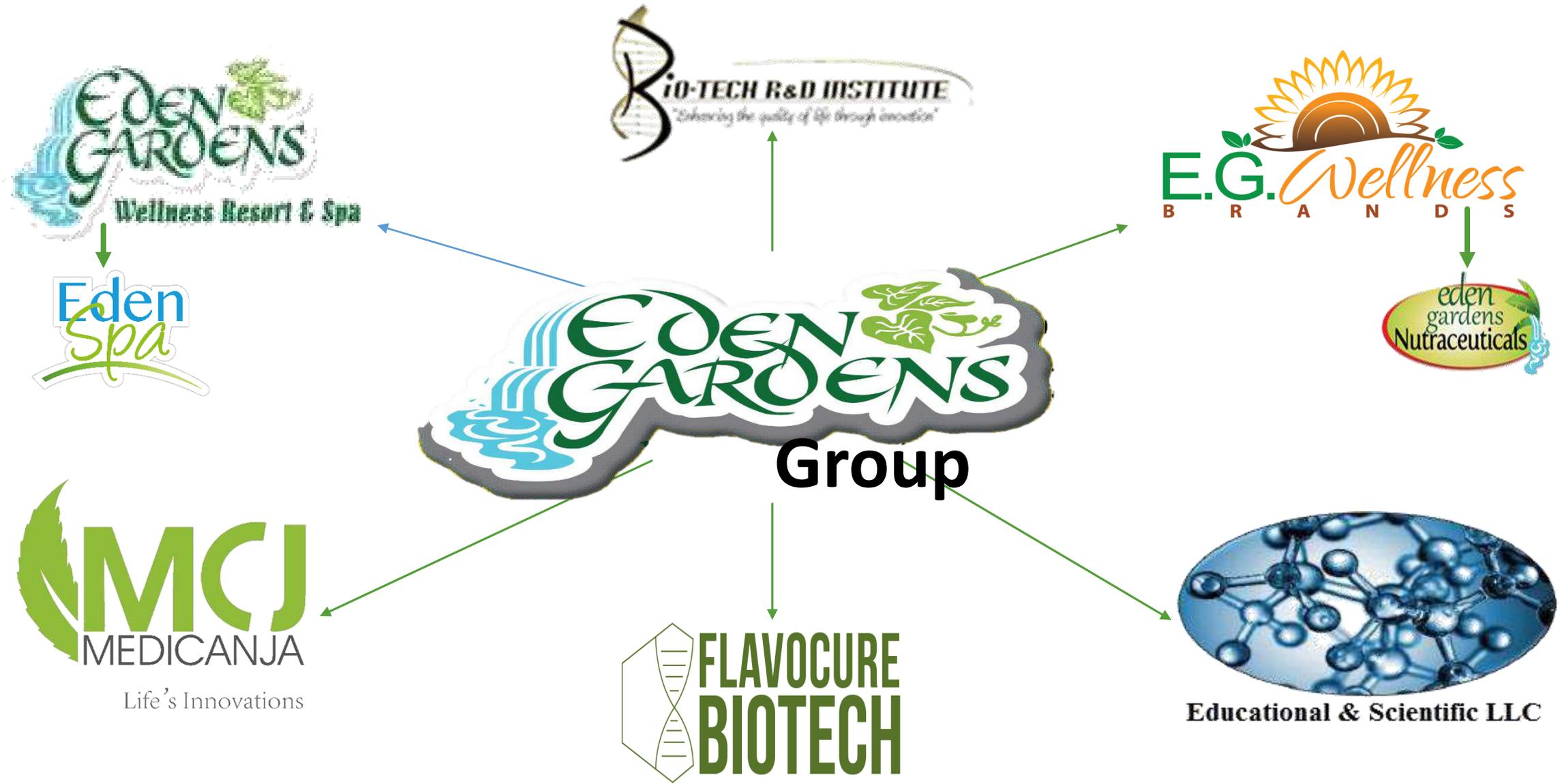


The Eden Gardens Group of Companies:
Eden Gardens Wellness Resort & Spa, Bio-Tech R&D Institute,
EG Wellness Brands, Medicanja Limited, Flavocure LLC,
Educational and Scientific Corp.

Jefferies

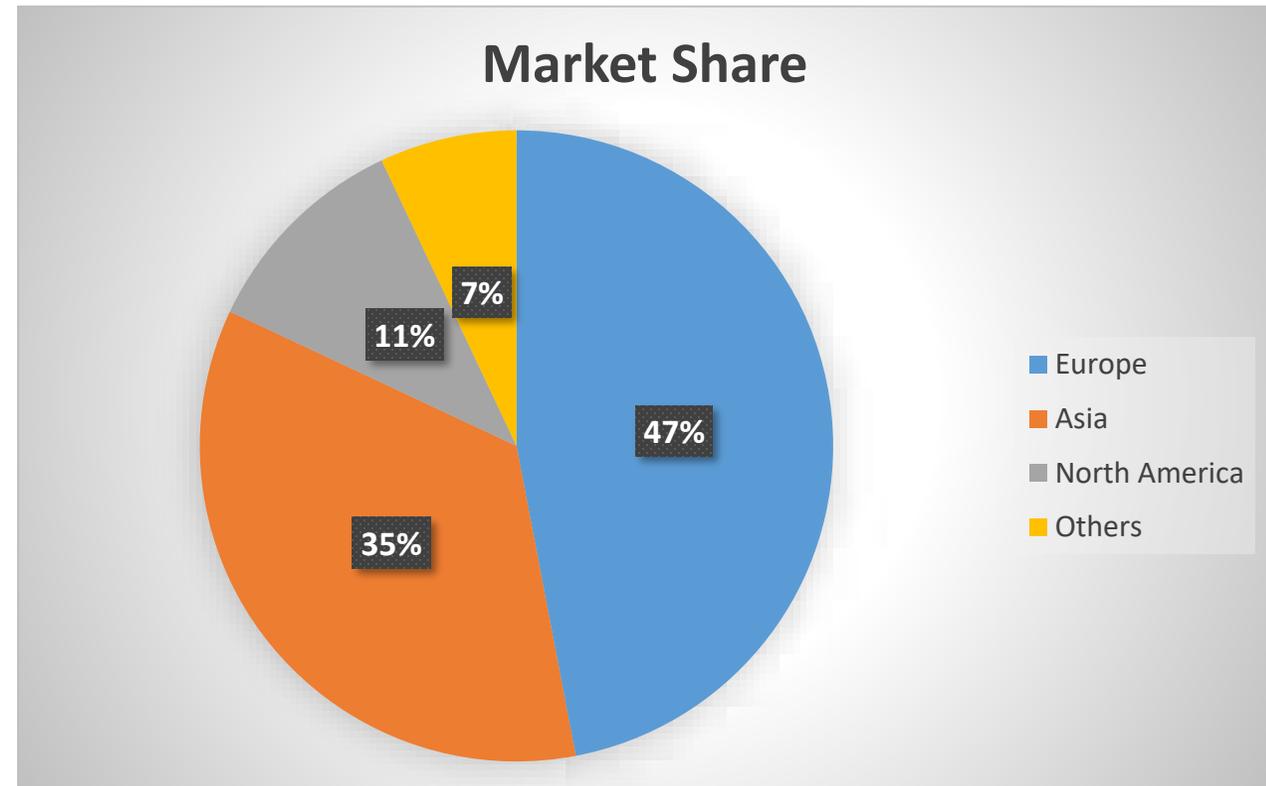


THE SUBSIDIARIES



Global industry of medicinal plants

- There is growing interest in the consumer preference towards traditional medicines and herbal medicines from medicinal plants as persons seek a more natural alternative to health and wellness.
- Herbal medicinal products in Asia such as India and China have a strong background in traditional medicine e.g. Ayurveda and Traditional Chinese Medicine (TCM).



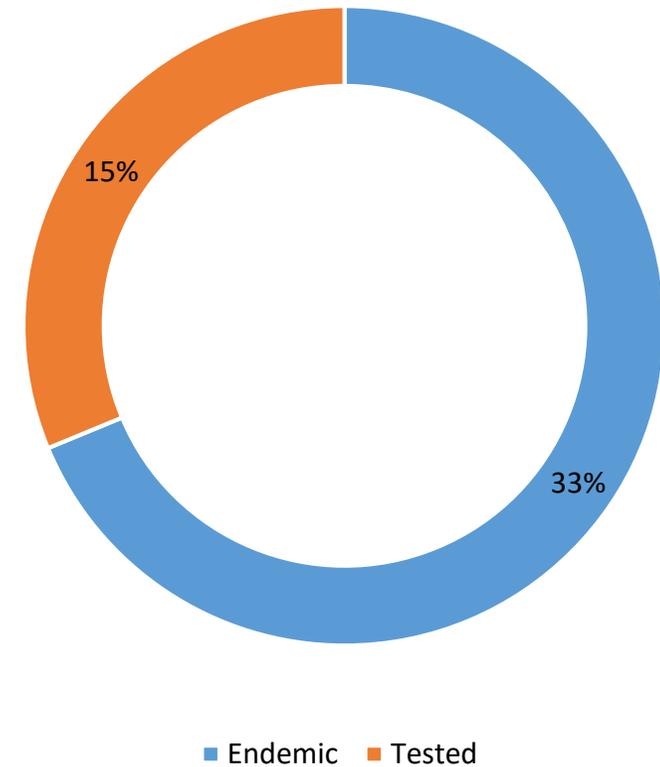


Research , Product Development, Innovations

Jamaica's Biotech R & D Institute as a Hub for Medicinal Plants Research, Development, Innovation and Commercialization

- The medicinal use of many of our plants are often based on folklore.
- Significant research done by UWI, but no real economic development or commercial products as a result.
- The economic potential can be done through the production of pharmaceutical, nutraceuticals and cosmeceuticals for local and global markets.
- Research and development has been done on Periwinkle, Guinea Hen Weed, Ball Moss, Lignum Vitae, Cannabis and others
- Despite this great potential, this industry is under exploited and lacks development especially when compared to overseas.
- The UWI invited us to establish Biotech R&D Institute on the Mona Campus to demonstrate how research and development can be used for wealth creation.
- There was reference made by UNESCO to our innovative work in 2016
- IABD gave an award to our innovation in 2017.

Jamaica has 52% of established medicinal plants



OUR WORK



Lignum



Ball moss



Guinea hen
weed



Coffee



Cerasee



Mistletoe



Guava



Ginger



Bizzy



Soursop



Susumb
a



Periwinkle



BIO-TECH, THROUGH RESARCH, HAS UNLOCKED THE MEDICINAL PROPERTIES OF JAMAICAN PLANTS

Major Collaborators include:

- Environmental Health Foundation (EHF),
- Institute of Human Virology (IHV), University of Maryland,
- UMAB Greenebaum Cancer Center,
- Research Triangle Institute (RTI)
- University of Technology - Jamaica
- University of the West Indies (UWI)
- Scientific Research Council

About Medicanja

Medicanja Jamaica Limited in collaboration with the Bio-Tech R&D Institute and its sister lab, Flavocure has been involved in the research and development of the various nutraceutical and pharmaceutical products from cannabis.

Medicanja has received approval of eight Cannabis based pharmaceutical products with four topical and two oral products currently on the market.



The Way Forward

▶ **Medicanja Pharma**



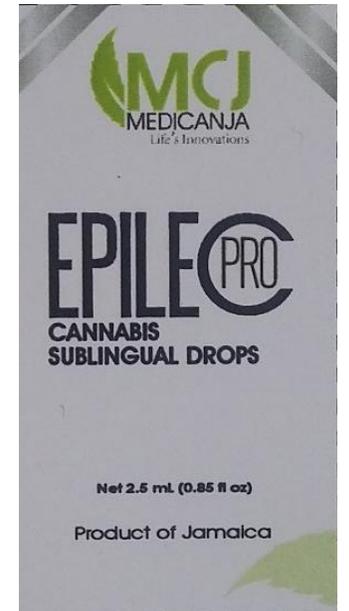
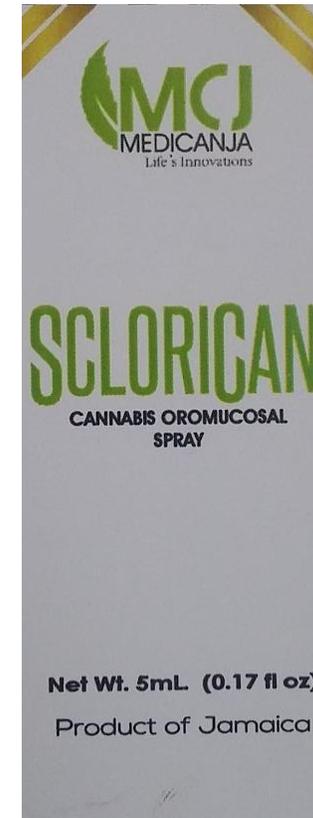
▶ **Nutraceuticals**

▶ **Cosmeceuticals**

▶ **Functional Food and
Drinks**

Research and development

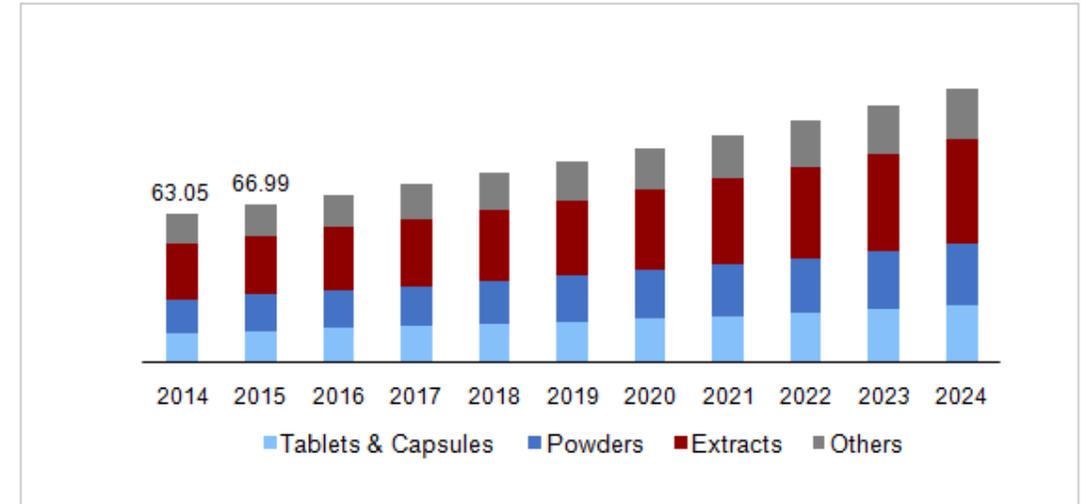
- Just recently, Medicanja was granted approval by the Ministry of Health for two cannabis products to treat epilepsy and multiple sclerosis.
- The company is awaiting the approval of three other cannabis products that will be used to treat glaucoma and CBD oil as well as as a mosquito repellent.



Projections and Milestones

- There opportunities to build out products for Medicanja and develop nutraceuticals, cosmeceuticals and others in order to fit within the global market that exists. This consist of a pharmaceutical, nutraceutical, cosmeceutical and herbal industry.
- Commercial consumer industries of herbs are worth more then USD 80 billion.
- The potential value of nutraceuticals is estimated to be approximately US ½ Trillion dollars.
- In 2014, total pharmaceutical revenues worldwide had exceeded one trillion U.S. dollars with North America responsible for the largest portion of these revenues.
- The global herbal pharmaceutical contributes \$44 billion.

Global herbal medicine market revenue, by product, 2014 - 2024 (USD Billion)



How do we get there?

- It is clear that with the opportunities, Jamaica can mobilize its resources to take advantage of these possibilities.
- This can be achieved through enhanced awareness, research and development as well as available financing, training and manpower.
- Enabling funding for research and development innovation by public/private/international agreement
- In order for the industry to prosper, there needs to be the provisions of incubators and financial investment from the public and private sector

Thank You



“We manage the business of wellness”

Thank You