AFRICAN NATURAL PRODUCTS RESEARCH AND TRAINING NETWORK (RISE - AFNNET)
REGIONAL INITIATIVE IN SCIENCE AND EDUCATION
www.rise-afnnet.com

Supported by The Carnegie Corporation of New York

John David Kabasa, Project Director

Uganda  Tanzania  Kenya

CARNEGIE-RISE ANNUAL MEETING: KAMPALA, UGANDA
Natural Products have immense potential to contribute to poverty eradication and sustainable livelihoods in Sub-Saharan Africa.

Existing systems for their development as a resource and livelihood option are weak & fragmented.
Rapid population growth
  - Rapid loss of NP Biodiversity
  - Loss of agricultural lands

Neglected and Underutilized

Insufficient human capacity
BACKGROUND

- Transform Africa’s rich biodiversity into a socioeconomically important NP industry

- Expand and Build NP Value Chains research and educational programs in NP fields
  - Health
  - Engineering
  - Biochemistry
  - Economics
  - Environment and Ecology
  - Pharmaceutics
  - Cosmetology
  - Nutrition
  - etc
ANY sustained development of a nation depends on the quality and quantity of its skilled human capital.

Higher Education Institutions (HEIs): Fulcrum of development in Africa because current policies drive young people to Higher Education and they are at the centre of a sustainable Public Private Sector interface.

To address these, AFNNET was founded by Makerere University, University of Nairobi and Sokoine University with the support of the Carnegie Corporation of New York through the SIG.
**Vision:** To be the leading Academic Network in African Natural Products industry

**Mission:** To nurture transformative Skills, Knowledge, Technology, Innovations and Community services in the African NP Industry
STRATEGY

- A new generation of NP academics, professionals and entrepreneurs
- Sustainable Networking and Partnerships
- Transformative educational models and curricula (Educations & Training)
- Instrumentation and Technology centers (Research & Services)
ACHIEVEMENTS

- A multi- and trans-disciplinary regional MSc program in NP Technology & Value Chains

- Enhanced inter and intra- University collaborations in the region

- Deepening public-private sector collaborations in teaching, research, extension, service and internships

- Contributed to Career growth, Promotions and Staff Retention
Increased networking, awareness & learning opportunities for stakeholders – 10 networking events (workshops, symposia, conferences & seminars); Skills dev’t courses

40 (17 PhDs, 03 PostDoc, 20 MSc) new NP scientists and academics under mentorship – 10 are female; 22 mentor Team

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ACHIEVEMENTS

- Commercialization through patenting NP extracts and isolates: 4 patents have been registered

- 08 Publications in the previous 8 Months

- Various laboratory equipment to strengthen existing facilities
SPIN-OFFS

- AFNNET members writing other joint grants
- More multi-disciplinary regional courses e.g. MSc International Infections Diseases Management supported by HED
- Natural Products Stakeholders Forum in each country
- African Institute Strategic Services and Development (AFRISA) MAK
Funding for Instrumentation & Infrastructure
CONSOLIDATING ACHIEVEMENTS

- More MSc
- Upgrade existing MSc to PhD
- Post-Doc training
- Integrate stronger E-learning Technology
- Develop information and database systems
- Faculty retention at Universities
- Networking and more partnerships
- Educational Value Chain
Regional Initiative in Science & Education (RISE)

Annual Meeting: Kampala-Uganda

THEME:
“Integration of Science & Technology Networks in National and Regional Development”

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