

TANZANIA FORESTRY RESEARCH INSTITUTE



Forestry and Beekeeping Research for Development of Sustainable Industrial Economy



1. BACKGROUND

Tanzania Forestry Research Institute (TAFORI) was established by Act No.5 of 1980 with the mandate to conduct, co-ordinate and regulate forestry research as well as to disseminate scientific information to end users in Tanzania. Apart from carrying out and coordinating forestry over the time in the country, early in 2019 beekeeping research was transferred to TAFORI from Tanzania Wildlife Research Institute (TAWIRI).

2. ORGANIZATION STRUCTURE

The Board of Director of the Institute is, subject to Act No. 5 of 1980, responsible for the exercise of the functions and the management of the Institute. The Board meets at least once in every three months. The Board of Directors is composed of Chairperson and Board Members. The Board Committees are in place for advising the Board in different matters. The Director General serves in the ex-official capacity of Secretary to the Board.

TAFORI is charged with functions that regulate and promote development of the forest and beekeeping sector. To undertake those functions, the Director General is directly assisted by the Directorate of Forest Production Research, Directorate of Forest Utilization Research, Directorate of Beekeeping Research, Directorate of Finance and Administration, TAFORI Centres, Internal Audit Unit, Procurement Management Unit (PMU), Information, Communication and Technology Unit (ICTU) and Legal Services Unit (LSU).

2.1 Directorate of Forest Production Research

The Directorate of Forest Production Research is comprised of Socio-economics, governance and policy research, Information and documentation, forest management, tree breeding and improvement, Forest

ecology and biodiversity and forest protection.

2.2 Directorate of Beekeeping Research

The directorate is comprised of the two section namely: Bee Products and Services and Bee and Apiary Management. The first section deals with: Production, harvesting, processing and value addition science and technology; Markets and marketing of bee products; Apitherapy; and Pollination services. The later section deals with: Apiary Establishment and Management; Beekeeping equipment; Bee health; Bee plants; Bee breeding/Queen rearing; Bee Science (Anatomy, Physiology, Genetics, Taxonomy, Behaviour); Stingless bee science and technology; and Emerging issues.

2.3 Directorate of Forest Utilization

Directorate of Forest Utilization Research is comprised of the following priority research areas: wood structure, timber engineering, forest operation, wood energy, wood chemistry and wood development and marketing.

2.4 Directorate of Finance and Administration

Directorate of Finance and Administration comprise of human resource and administration, finance and stores. The Directorate aims to develop national human resource capacity to conduct forestry research in order to meet the National and International obligations.

3. FUNCTIONS OF THE INSTITUTE

- ◇ Sets up experiments relating to the planting, growth, development and conservation, and use of local and exotic tree species;
- ◇ Establishes apiaries for applied research and demonstration purposes;
- ◇ Investigates causes and suggests ways of controlling and preventing the occurrence of forest and bee diseases and pests;
- ◇ Coordinates research and provides advice to the Government, public institutions and other persons on the practical applications of modern techniques suitable for development and conservation of the landscape, soil, fauna and flora;
- ◇ To enhance effective management of beekeeping resources for conservation and sustainable supply of bee products and services to meet national, regional and international needs;

- ◇ Disseminate forest and beekeeping research findings;
- ◇ Provides advice on the establishment, and development of wood and beekeeping-based industries;
- ◇ Cooperates with the Government and any person or group of persons in providing facilities for the training of researchers;
- ◇ Establishes a system of documentation and dissemination of research results, by placing inquiries and/or collecting prepared and/or published statistics relating to forestry and beekeeping;
- ◇ Encourages the development of forestry and beekeeping through the protection of forestry and beekeeping industry, provision of consultancy services, and increasing the supply, sales, utilisation of timber and bee products; and
- ◇ Carries out any other activity deemed by the Board of Directors as being of interest to the Institute and the nation at large.

4. OPERATIONAL AND RESEARCH PRIORITY AREAS

4.1 Operational Priorities

Prior to 1980, Government funded forest research focused on Silvicultural and Utilisation Research. In the advent of energy problems notably: fuelwood shortages in rural areas, environmental degradation manifested as desertification, an increased need for soil and water conservation; the need to overhaul research programmes such that these pressing problems are brought to the fore, was obvious. There is also the need of articulating the Institute's list of operational priorities since this underlines the sequence of operations, and gives some clues as to how resources are to be channeled. The priorities are:

- Earmarking research areas and needs,
- Training Researchers,

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