



UNITED REPUBLIC OF TANZANIA
 MINISTRY OF NATURAL RESOURCES AND TOURISM
 TANZANIA FORESTRY RESEARCH INSTITUTE



THE INTERNATIONAL SCIENTIFIC CONFERENCE

February 23rd – 25th, 2021 | Dar es Salaam | Tanzania



FOREST AND HONEYBEE PRODUCTS VALUE CHAINS FOR DEVELOPMENT OF SUSTAINABLE LIVELIHOODS AND INDUSTRIAL ECONOMY



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Background and Rationale

Forest and honeybee resources in many countries in the world are the main sources of goods and services to the surrounding communities. The benefits provided by forest ecosystems include goods such as timber, food, fuel and bio products; and ecological functions such as carbon storage, nutrient cycling, water and air purification, and maintenance of wildlife habitat.

Despite the potential of forest and beekeeping sectors which include best growing condition, rich biodiversity in natural forests, there are number of constraints that still hinder growth of the sector. These include insecure supply of raw materials due to poor management of forests; inadequate investments in forest management; low access to modern pre harvesting, harvesting and post harvesting technologies; unavailability of skills and competence; inadequate support services including marketing; weak research and development to drive innovations needed to support value chains development and low supportive policy and legislations.

In order to contribute to solving these challenges in the forest and beekeeping sectors, the International Scientific Conference on Forest and Honeybee Products Value Chains for Development of Sustainable Livelihoods and Industrial Economy is organized. The Conference will provide platform for sharing knowledge and promote discussions on how to develop forest and honeybee products value chains for transforming the nation into middle income country.

Themes of this conference revolve around bringing forest and honeybee products in one platform to deliver the best of the sector. Themes are: forest products value chains; honeybee products value chains and policies and legislations. They address the entire value chain nodes in the forest sector in the country.

The conference is organized in order to bring together nodes in forest and honeybee value chains to stimulate and elevate the contribution of forest sector to the economy and people's livelihoods. The conference will bring together scientists, innovators and students from universities and industries, high level policy and decision-makers, development partners, diplomatic community, innovators, business community and practitioners from different parts of the world to share state-of-the-art information, identify areas requiring further research as well as key policy measures to enhance the contribution of forests, woodlands and beekeeping to economic development and poverty reduction. The conference will collate and supply information on forest and honeybee products value chains. It will raise awareness on the current state of knowledge. Players in different value chains, consultants, researchers and policy makers will make use of this information to support development of forest value chains.

Objectives of the Conference

The overall objective is to unlock the potential of forest and beekeeping sector by providing platform for sharing knowledge and promote discussions on how to develop forest and honeybee products value chains for transforming the nation into middle income country.

Specifically the conference aims to:

- (i) To collate existing state-of-the art knowledge on different forest value chains in order to deploy this knowledge to support value chains development;
- (ii) Generate practical information to inform policy making process;
- (iii) Create awareness on opportunities and constraints or challenges in Tanzania's forest and beekeeping value chains; and
- (iv) Elevate the role of the forest and beekeeping sectors in contributing to industrialization and country's economic growth.

Conference Themes

1.0 Forest products value chains

Forests play a vital role in stabilizing the atmospheric greenhouse gases thus contributing to the mitigation of the global climate change. Most of the communities in the world depend on forest for goods and services. Despite of the benefits received from forest, majority of the forest adjacent community have failed to improve the value of the forest products due to lack of knowledge and skills. Development of sustainable value chains for forest based product is critical to ensure social, economic and environmental benefits. Sustainability of the value chain is however threatened by massive conversion forests to farmlands and extensive harvesting of trees for timber and wood fuel. In order to sustain these benefits along the value chains, management of the forest resources requires sustainable efforts and resources that necessitate international participation, as it goes beyond country borders.

On the other hand, harvesting, processing and marketing of forest products rely mainly on technological innovations and creativity. Clearly, forests form the basis of a variety of industries including timber, processed wood and paper, rubber, and fruits. Following the inception of commercial forest harvesting, the systems applied have mainly been geared to suit available techniques rather than seeking new technologies, which meet appropriate criteria. There are innovation gaps in terms of development and use of appropriate wood technologies along the value chains. Further, the industry is not taking full advantage of trained technicians. It is on these grounds that this thematic area will be covered during the conference to share scientific findings and experiences based on the following key questions: What is the forest stock base? How is resource base influenced by land tenure? How do forest dependent communities benefit from the resource? What are forestry ecosystem based adaptations? How is innovative harvesting of forest products practiced? What are processing techniques and innovations packaging in

place? What is the role of transport in the forest value chains? How is trade influenced by the forest value chains?

2.0 Honeybee products value chains

Beekeeping is a traditional economic activity among many communities living around or in the vicinity of natural forests. From traditional beekeeping communities obtain honey as a nutritious food and beeswax as a cash crop, other bee products such as pollen, propolis, royal jelly and bee venom have not yet been exploited. Honey bees are essential for sustaining environments through pollinating flowering plants. Furthermore, honey bees are vital as they sustain agriculture by pollinating crops and thereby increasing yields of seeds. Thus, beekeeping is a typical livelihood that involves harnessing nature to generate food and income. The climate and environmental conditions favour the survival of honey bees and bee fodder across countries. Unfortunately, the current production of honey bee products is still low, caused by long standing challenges. These include use of unsuitable equipment and materials, improper harvesting and handling of products, poor apiary management and lack of products diversification.

In addition, the sector is faced with inadequate organized market system for both local and foreign markets, lack of understanding of the role of bees in pollination services and environmental changes that have led to disappearance of habitat for honeybees. Despite of challenging problems the opportunities for beekeeping sector have continued to grow wider due to increasing market demand for honey, beeswax and other bee products as natural nutritional food and medicine. Consumption of honeybee products which contains biological active elements, use of honeybee products as ingredients in manufacturing industries (including food, cosmetics and pharmaceutical) is also increasing. The opportunities stimulated government institutions, private sector and local communities, and have implemented different beekeeping projects over the years with results that demonstrated the impact of beekeeping and beekeeping-based industries in

poverty reduction and socio-economic development in the country. Sound utilization of honeybees for economic development cannot take place in the absence of this international scientific information and knowledge. During this conference, contributions will be made based on studies conducted in different areas across the world responding to the following key questions: How does socio-economics influence bee resources? What are the innovations for honey bee products harvesting, processing and value addition in place? What are the promotion efforts in place of less known and harvested honey bee products? How is honey bee products marketed and traded? What is the role of apitherapy to human health?

3.0 Policies and Legislations

Many countries produce wood and non-wood forest products from forest resources such as sawn timber, tree seeds, wood-based panels, wood chips, pulp, paper products, sleepers, poles, honey, beeswax, royal jelly and propolis. Currently only sawn wood, pulp and poles are being produced in sufficient quantity. Other products are being produced in small quantities due to decreasing raw material supply and reduced availability of large-sized logs. Therefore the deficit is being met through importation. Policies and laws governing export and import of forest and honey bee products differ in the region. The applicability of the laws to control standards of forest and bee products in the markets is in place. However, products with poor quality are still imported and exported in the world. To get the experience of this, scientists from different country can share their findings based on the following key questions: How laws are applicable in controlling standards of forest and bee products? How local and international laws/regulations are governing forest and honeybee products marketing and trade; and what are the enabling institutions/environments for forest and honeybee products trade.

Call for Participants

The organizing Committee invites you to this event. There are opportunities to contribute a paper, exhibit products or technological innovations and participate in a study tour of your choice. We invite researchers and practitioners from a wide range of disciplinary perspectives covering Conference themes.

Authors are requested to indicate their preferred mode of presentation (i.e. oral or poster presentation) and the theme which they would like to present their papers. Papers and posters submissions should include the following:

- ❖ Title of Proposed Paper / Poster
- ❖ Name(s) of Speaker(s)
- ❖ Speaker(s)' Institutional Affiliation
- ❖ Speaker(s)' Email Address, Telephone/Fax Number(s)
- ❖ Abstract of Proposed Paper (Not exceeding 300 Words)
- ❖ Short Professional Profile of Speaker(s) (not exceeding 150 words)

Length of paper/ poster presentations

a) Papers for oral presentation: Papers should be 3,000 to 6,000 words long, submitted in MS word, using Times New Roman font style, 12pt font size, and double spaced. It must include an abstract and keywords.

The manuscript should be divided into sections as follows: 1. A title page comprising of title of the paper, names of authors and affiliations; 2. Abstract; 3. Introduction; 4. Materials and Methods; 5. Results; 6. Discussion; 7. Conclusion; 8. Acknowledgements; and 9. References. A 2.5 cm margin on both sides of the page is recommended. All headings should be in lower case, bolded and left justified. Tables and Figures should be numbered according to their sequence in the text. The text should include references to all Tables and Figures and SI units should be used.

Selected paper presenters will be allowed twenty (20) minutes interactive power point presentations followed by questions/discussion.

b) Paper for posters: Posters should be made of innovative projects or best practices, prepared in a form of Roll Up Banner of size 85 cm X 200 cm (850 mm X 2000 mm).

c) Exhibitions for display: Exhibitor are required to submit a short note not exceeding 3 pages, containing a list of exhibitions intended to be displayed and the size of space needed.

NOTE:

Presenters should ensure that papers submitted are original. Accepted papers will undergo peer-review processes and are expected to be published as conference proceedings.

Please email your abstracts; full papers; posters; exhibitions note to:
Chair, Conference Organizing Committee: Dr. Siima S. Bakengesa via the following contacts: **valuechainconference@tafori.or.tz**, copied to **siima_b@yahoo.com**.

For more details about the Conference, please contact the organizers at **valuechainconference@tafori.or.tz/ siima_b@yahoo.com; Mobile: +255 754 784 545; +255 767 404 873**.

All registrations should be done through an online conference registration form that is available at **www.tafori.or.tz**.

Important Dates

Date	Description
23 rd – 25 th February 2021	Conference dates
30 th October 2020	Abstract Submission Deadline
	Posters Submission Deadline
	Exhibitions Registration Deadline
	Early Bird Registration Deadline
14 th December 2020	Full Paper Submission Deadline
31 st January 2021	Late Registration Deadline

Registration Fees

Participants	Early Bird Registration	Late Registration
Tanzanian		
Exhibitors	Tshs 200,000.00	Tshs 250,000.00
Students	Tshs 60,000.00	Tshs 75,000.00
Others	Tshs 120,000.00	Tshs 150,000.00
Foreigners		
Exhibitors	USD 100.00	USD 115.00
Students	USD 35.00	USD 40.00
Others	USD 70.00	USD 80.00

Payments and Bank Details

All payments should be made through a control number that will be availed to you upon request through valuechainconference@tafori.or.tz, or siima_b@yahoo.com.

Sponsored Participants and Conference Trip

There will be limited number of participants fully financially supported by the Conference Organizers based on whether he/she is a key speaker or paper presenter. There will also be one day outdoor trip to one of the tourists centre for interested guests, registration for this tour will be done later.