

Camel Milk from Camel friendly Farming Systems

*Important case studies
from Arabia and Africa*



Prof. Dr. Abdul Raziq Kakar
International Camel Dairying Consultant and Technical Manager
Camel Farms, Alain Farms for Livestock Production, Alain, UAE

Ethical Camel Dairying
World Milk Day
2024

Socio-Economic Importance of Camel

- Sustain livelihood in the severe vulnerable CC societies, Africa, ME, Central and South Asia
- Highly adapted to the hyper aridity and making symbiotic relationship with the ecosystem
- Camel survived million of people from starvation in drought stricken regions of the world.
- The camel provides food, fiber, transportation and social status to the herders
- Camel milk production is stable in almost all seasons, which is very important for the pastoralist, when the milk of other animals is seized in the dry period.
- Camel intake per kg of milk produced is very less, making it an efficient biological model.
- It is very appropriate specie on marginal and poor grazing lands.



Camel and Drylands Symbiotic Relationship

Camel sustains the soil health by converting/composting the rough and woody vegetation into the detritivores food

Camel consumes the vegetation with spine, high salts, alkaloids, highly fibrous/woody (otherwise waste), digest and add effective microflora and return to the soil

Camel is not only a livestock for food security but the best tool to sustain life in the drylands

Zygophyllum qatarense Example

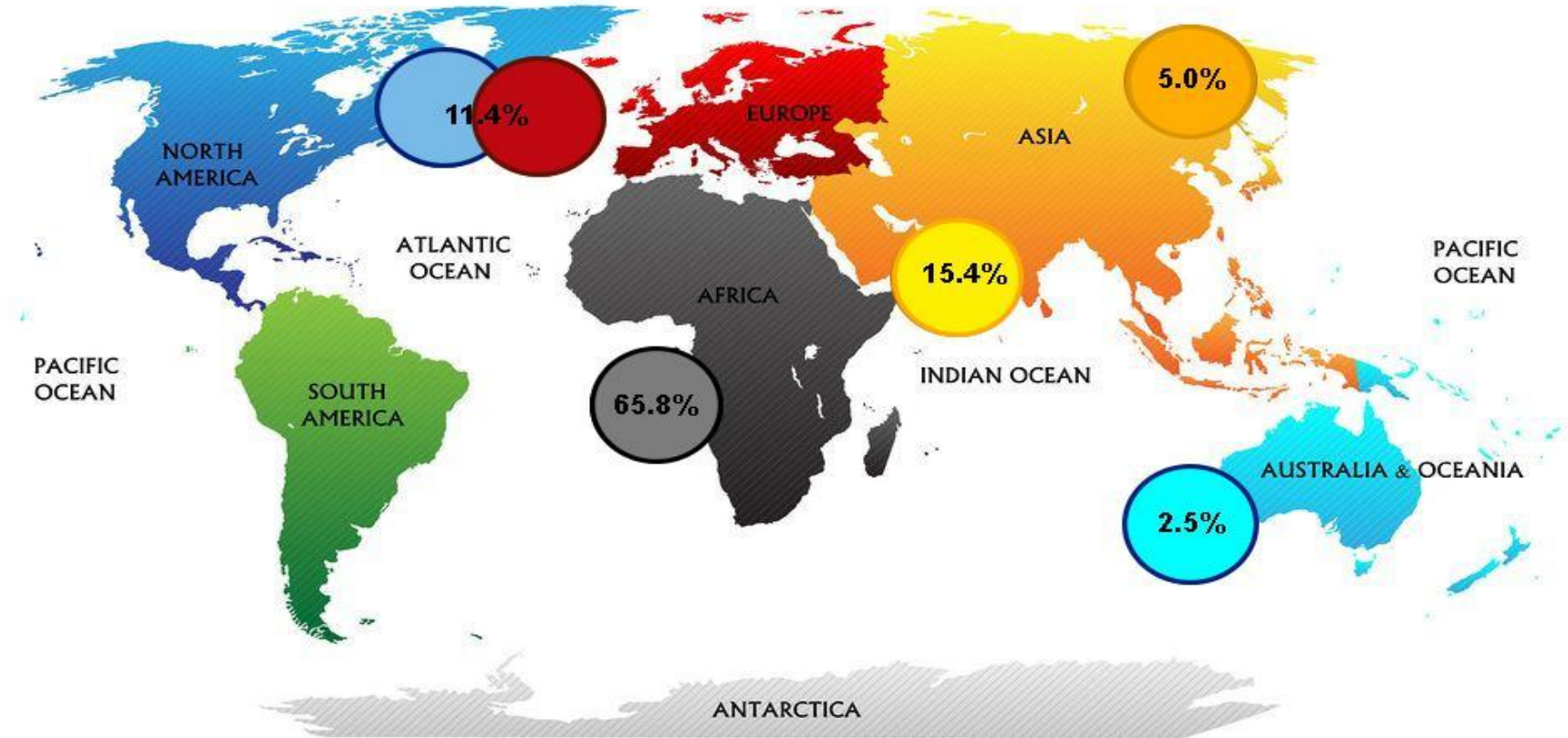
is not only resilient, surviving aridity and salts but also responded very positively to the microflora in the livestock's saliva, especially camels. The flora browsed by the camels is more healthy and shiny than those who grew tall and safe from the grazing.



Camel Milk Consumer

Local Approach is the best instead of Global

Expected consumer of camel dairy products across the globe by regions in 2025



My Idea the Decentralization of Camel Milk and Cameleers Participation

- Small to medium scaled camel dairies can be very successful and there will be product diversity
- Facilitation and support, they need at all level
- Channelization of camel milk - commune project can bring a change and boost in the camel milk's world
- Only a few big dairies cannot fulfil the demand of the camel world
- Big farms can't only fulfil the milk demand but but also can't help the overall camelids' world
- We have to support camel insitu conservation and management and the small and medium camel herders can do this very efficiently



Milk demand – Independent enterprise in Jigjiga

- They lactating camels near the town, rest of the herd in the remote regions
- They have more than enough consumers for fresh milk
- High demand for camel milk in the region, need to be registered first and then can get the milk.
- They earn money and the money goes straight for family expenses



Camel Milk in Salalah Oman

- Salalah is the South Coast of Oman
- Home to one of the excellent milk camel (**Khawarah breed**)
- Monsoon range and home to diversity of flora which serves as feed for camels
- The camel keeping is a rich culture

The Camel Dairy Queen – Khawar
breed of Salalah Oman



Camel Farming is Family Profession

Khawarah is the best camel in the region for milk

The average is 10 liter

Highly adapted equally to dry and wet weathers



Camel4Life International Camel Forum

- Advocacy at policy level
- Research communication and collaboration development
- Business, mainly related to camel milk
- Cooperation with the camel milk consumers

<http://camel4all.info/>

A Push Plus Behind the Camel milk, more ethical milk



Important Channels Behind Sustainable Farming and Climate Issues under Climate Change

1. Camel4all.info

[Camel4ALL – Everything about Camel](http://Camel4all.info)

arkbiodiv.com

[SUSTAINABLE FARMING FOR FOOD AND HEALTH – Ecofriendly ...](#)





Thanks for your
Patience