Pathology-2013

OMICS Group Conferences
Accelerating Scientific Discovery

2nd International Conference and Exhibition on
Pathology

August 05-07, 2013 Embassy Suites Las Vegas, USA

Genetic selection barriers in global development of rural goat production and a simplified approach in identification of proper polymorphic types

Taha A. Kumosani
King Abdulaziz University, Saudi Arabia

Abstract

This work presents the different barriers in genetic selection for global development of goat production in poor rural communities and the success in establishing a simplified optimized genetic protocol for selecting proper polymorphic types. The major barriers in establishing genetic selection programs for global developments of goat production include the present decline in funding research by world organizations for rural development of goat production, the 'Land Grab' approach of cash-acquired countries aiming at monoculture-agriculture, the migration of rural farmers to cities, and the diminishing water resources due to global warming.

The application of a simplified genetic protocol for selecting proper polymorphic types of goats is expected to improve their production and health, helping indirectly to improve the livelihood of poor rural farmers. The optimization of our simple genetic protocol resulted in identification of the high potential polymorphic goat types based on markers in genes that affect production, immunity, and resistance to transmissible Spongioform Encephalopathy.

Biography

Taha A. Kumosani has completed his Ph.D in 1990 from Miami University, Oxford, OH- U. S. A. he is a full professor in Biochemistry Department, Faculty of Science, King Abdulaziz University, Jeddah, Saudi Arabia since 1995. He was a deputy director of King Fahd Medical Research Center, King Abdulaziz University, Jeddah - Saudi Arabia 2009-2011. He is the head of experimental biochemistry Unit, King Fahd Medical Research Center, King Abdulaziz University, Jeddah - Saudi Arabia. He has published more than 70 papers in reputed journals and serving as an editorial board member of repute.