

Applications of biotechnology and genomics in goats

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Abstract

Goat breeding has many advantages, including economic (low cost); sociological (products made from skin and other elements), and ecological (goat adaptability). Products such as goat kid meat (cabrito), which is considered a delicacy, and goat milk cheese are some of the most appreciated. Many high priced products such as purses, shoes, jackets, and other articles are made from the fur and skin of goats. Presently, by applying new biotechnology research to the goat industry, their productivity, molecular diagnosis, health, and genetic diversity can be improved. Surely there are many more opportunities to come for modern biotechnology. Discussing these with audiences, such as those attending specialized international conferences on goat production, are of great importance because there is a lack of knowledge among goat breeders and resistance for carrying out this type of research. Events of this type should be of great use for instructing attendants, publicizing the usefulness of goat production, and creating steps towards discovering available benefits and promises of modern biotechnology.