



Université Constantine 1, Frères Mentouri
Institut des Sciences Vétérinaires
Laboratoire de Recherche Gestion de la Santé et Productions Animales

ATTESTATION DE PARTICIPATION

Le Président du comité d'organisation certifie que

Dr. HAFFAF Samia

A participé au 11^{ème} Séminaire International de Médecine Vétérinaire, organisé à l'Institut des Sciences Vétérinaires de Constantine, les 26 et 27 octobre 2024, par une communication affichée

Intitulée : Assessment of sheep welfare in semi-arid regions

Co-auteurs : *Imene DJAALAB, Nour El Houda BACHIRI, Nadia ZIKEM, Hadria MANSOUR-DJAALAB and Laatra ZEMMOURI*



Le Président

Pr. BERERHI El Hacene





Université de Constantine 1-Frères mentouri
Institut des Sciences Vétérinaires -El Khroub



Laboratoire de Recherche Gestion
de la Santé et Productions Animales

11th International Conference of Veterinary Medicine



ADVANCES IN ANIMAL PRODUCTION, FOOD AND HEALTH : FROM TRADITION TO INNOVATION

26 & 27 OCTOBER 2024

PROGRAM



POSTERS SESSION
Saturday 26th October 2024

TOPIC 1

Current innovations and emerging concepts in veterinary sciences
&

TOPIC 3

Innovation in food quality and safety of animal products

14:00-15:30

**MODERATORS : Pr. F. TEKKOUK, Dr. F. RIACHI, Dr. H. MANSOUR-DJAALAB,
Pr. N. ARZOUR, Pr. N. LAKHDARA, Pr. S. HIRECHE, Dr. K. BEROUAL, Dr. S. DJAMAI**

TOPIC 1 : *Current innovations and emerging concepts in veterinary sciences*

1	BENFODIL Karima (University of Bouira, Algeria) Detection of Trypanosoma evansi in camels using serological tests
2	BOUSSAADA Tarek (CRSTRA, Biskra, Algeria) Evaluation of Key Welfare Indicators in Commercial Broilers: A Case Study from the Batna Region, Algeria
3	DJAALAB Imene (University of Constantine 1-FM, ISVK, Algeria) Health of the locomotor system indicator of welfare of Algerian dairy cows
4	DAHMANE Abdeldjalil (ENSV, Algiers, Algeria) Assessment of gastrointestinal parasite infestation of goats in Biskra region, southeast Algeria
5	HAFFAF Samia (University of Msila, Algeria) Assessment of sheep welfare in semi-arid regions
6	BOUHOUCHE Ibrahim (University of Constantine 1-FM, ISVK, Algeria) Contribution to the evaluation of the level of animal welfare in broiler chicken farms in the Wilaya of Setif
7	BENATALLAH Salha Amira (CRSTRA, Biskra, Algeria) Effect of supplementation of ewe's diet with date waste and Saccharomyces cerevisiae on the weight performance and growth rate of their lambs
8	CHAABI Aimene Zakaria (University of Constantine 1-FM, ISVK, Algeria) Morphometric Characterization of Algerian Fantasia Horses in a National Equestrian Competition
9	SALHI Omar (University of Blida 1, ISV, Algeria) Clinical, histopathological and Serological study on avian infectious bronchitis
10	BOUGHERARA Hithem (University of Constantine 1-FM, ISVK, Algeria) Surgical Management of Hepatic Affections in Small Animals: An Experimental Case Study

Assessment of sheep welfare in semi-arid regions

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ABSTRACT

The welfare of farmed animals has become a major social demand in developed countries as well as the quality of livestock products and the preservation of the environment. In Algeria, the concept of animal welfare in sheep farming remains neglected although it has been the subject of several studies in developed countries.

The objective of this study is to assess animal welfare at the level of sheep farms in the region of M'sila on the basis of measurable indicators on the animal. This allows to assess two indicators: good health and appropriate nutrition. The study was conducted between February and June 2024. It included 9622 sheep of different breeds on 55 farms. The results revealed that sheep in M'sila district enjoy a good level of well-being in most farms. These findings are mainly attributed to a behavior accepted to some extent regarding the absence of prolonged hunger and thirst that is expressed by a good body condition (BCS) in the majority of animals ($p<0.001$). It was found that the majority of animals showed ($p<0.01$) no signs of illness, bodily injury ($p<0.0001$), restricted breathing ($p<0.0001$) or lameness ($p<0.0001$) indicating their good health. Finally, it is highly recommended to assess the on-farm welfare for emphasizing the key points in improving sheep welfare in Algeria.

Keywords: Animal welfare, Sheep, Farms, M'sila.