



The 1st National Scientific Day of GRAL
Goat Milk: A Perspective for the Dairy Sector in Algeria
May 18, 2024

Democratic and Popular Republic of Algeria
Ministry of Higher Education and Scientific Research

Higher National Veterinary School Rabie Bouchama of Algiers

Research Laboratory Local Animal
Resources Management (GRAL)

The 1st National Scientific Day

Goat Milk: A Perspective for the Dairy Sector in Algeria

May 18, 2024



Program

Topics

- Topic 1 : Production and Consumption of Goat Milk***
- Topic 2 : Physico-Chemical and Microbiological Characterization of Goat Milk***
- Topic 3 : Processing and Marketing of Goat Milk***
- Topic 4 : Open Session on Small Ruminants***

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Program of the 1st National Scientific Day of GRAL

07h30-08h30 : Registration & Welcome Coffee

08h30-08h35 : Welcome speech by the Director of the Day, **Dr Laouadi M.**

08h35-08h45 : Welcome address by the Director of the Higher National Veterinary School of Algiers, **Pr Bessalem S.**

08h45-08h50 : Opening of the day by the Director of GRAL, **Pr Tennah S.**

Plenary Session Caprine sector in Algeria

Moderators : **Pr Khelef D., Dr El Bouyahiaoui R. et Pr Tennah S.**

08h50-09h10: Goat value chain in Algeria: constraints and opportunities
Pr Madani T. (*Setif University*)

09h10-09h30: Goat farming in Algeria
Pr Moula N. (*GRAL ENSV & University of Liège*) (*Visioconference*)

09h30-09h50: Milk adulteration
Pr Amiali M. (*ENSA, Algiers*)

Session 1: Production and Consumption of Goat Milk

Moderators : **Pr Khelef D., Pr Madani T. et Dr El Bouyahiaoui R.**

09h50-10h00: Characterization of goat production systems in Laghouat area
Dr Laouadi M. (*GRAL, ISV Blida*)

10h00-10h10: Consumption of goat milk and dairy products: Current situation and perspectives
Dr Sahraoui H. (*Setif University*)

10h10-10h20: Livestock farming situation in the mountainous area of Bejaia: Case of Amizour Region (Bejaia)
Dr Bellil K. (*Research Center for Applied Economics for Development, Algiers*)

10h20-10h30: Raising goats in Ghardaïa: production and management
Dr Djouza L. (*Ghardaïa University*)

10h30-10h50: Debate

Session 2: Physico-Chemical and Microbiological Characterization of Goat Milk

Moderators : Pr Amiali M., Pr Ziane M. et Dr Meribai A.

10h50-11h00: Analyzing the physicochemical Characteristics of goat milk from multiple breeds in M'sila region : Towards a comprehensive understanding of milk quality
Dr Khelfallah M. (*M'sila University*)

11h00-11h10: Exploration of the relationship between udder morphobiometry and milk density in goats
Dr Bouderkai G. (*ISV, Blida*)

11h10-11h25: Debate

11h25-12h00: "Workshop on Rapid Detection of Infectious Pathologies including Antibigram Testing (*VIRBAC DIAGNOSTICS* Rapid Test)"

Posters session

12h00-12h45: Lunch break

Axe 3: Processing and Marketing of Goat Milk

Moderators : Pr Chahed A., Pr Daoudi-Zerrouki N. et Pr Cherallah S.

12h45-12h55: Value Chains of Goat Milk Production in Algeria: What Perspectives?"
Dr Fantazi K. (*INRA, Algiers*)

12h55-13h05: Production and commercialisation of goat milk by breeders in the wilaya of Tizi-Ouzou
Dr Bouzourène A. (*Tizi Ouzou University*)

13h05-13h15: Establishment of a goat farming sector in Algeria as a rural development lever: Case of the Amizour Region in Bejaia (Presentation of the Research-Action Project)
Dr Bellil K. (*Research Center for Applied Economics for Development, Algiers*)

13h15-13h25: Cheese production in Algeria
Dr Iberciene R. (*Artisan cheese producer*)

13h25-13h45: Debate

Session 4: Open Session on Small Ruminants

Moderators : Pr Kaidi R., Pr Ziane M., et Dr Fantazi K.

13h45-13h55: Study of lactation and milk quality in Tazegzawt ewes
Dr El Bouyahiaoui R. (INRA, Algiers)

13h55-14h05: A perspective for the Dairy sector in Algeria Assessment of welfare goat using BIENE protocol in few breeding of Medea region
Dr Benattalah A. (ENSV, Algiers)

14h05-14h15: The effect of probiotic supplementation on peripartum ketosis and the resumption of postpartum ovarian activity in goats during the off-season
Dr Kalem A. (ISV, Blida)

14h15-14h25: Local goat, genetic polymorphism at the SLC11A1 gene, and perspectives of natural resistance against brucellosis
Dr Sahraoui H. (Setif University)

14h25-14h35: Clonal diversity of Staphylococcus aureus isolated from nasal carriage of dairy goats in Algeria
Dr Titouche Y. (Tizi Ouzou University)

14h35-14h45: The rhythmicity of endocrino-metabolic status in bucks native to arid zones
Dr Chergui N. (ISV, Blida)

14h45-14h55: Serological investigation regarding the role of brucellosis on small ruminant abortive syndrome
Dr Saidani K. (GRAL, ISV Blida)

14h55-15h05: Epidemiological investigation on faecal elimination parasites in sheep species in Laghouat, south of Algeria
Pr Saidi R. (Laghouat University)

15h05-15h15: Crossbreeding of algerian sheep breeds in the central steppe
Dr Harkat S. (ISV Blida)

15h15-15h35: Debate

15h35-16h00: Coffee break

16h00-16h15: Recommendations and Closing of the 1st National Scientific Day of the GRAL
Dr Laouadi M.

16h15 : Certificate distribution
Dr Bouabdallah R.

Displayed communications

1. Diagnosis of goat milk production in Tizi-Ouzou Province. **Zembri F. et al. (Tizi-Ouzou University)**
2. Prospects and current situation of the goat sector in Kabylia. **Bendrimia A. et al. (El Tarf University)**
3. Évolution of fat and protein content in goat milk during early lactation in the Laghouat region, Algeria. **Laouadi M. et al. (GRAL, ISV Blida)**
4. Relationships with the physico-chemical parameters and microbial contamination of Goat milk commercialized in informal market in Laghouat, Algeria. **Laouadi M. et al. (GRAL, ISV Blida)**
5. Evolution of fat and protein levels in milk from the 'Naine Kabyle' goat breed over a five-month of lactation, observed in Tizi-Ouzou region. **Hassaine A. et al. (ENSV, Algiers)**
6. Physico-Chemical and Microbiological Characterization of Goat Milk. **Salhi O. et al. (ISV, Blida)**
7. Study of physico-chemical characteristics of goat milk in Ghardaïa. **Sahraoui N. A. et al. (Blida University)**
8. Epidemiology of caprine mastitis and pheno-genotypic characterization of staphylococci involved in intramammary infections in goat farms at Tizi-Ouzou. **Bentayeb L. et al. (Blida University)**
9. Study of the physicochemical quality of goat milk from the Bouira and Tizi Ouzou regions. **Mebkhout F. et al. (ISV, Blida)**
10. Hygienic and sanitary quality of goat milk in the wilaya of Blida. **Baazize-Ammi D. et al. (ISV, Blida)**
11. Physicochemical analysis of milk from the 'Naine Kabyle' goat breed in Tizi Ouzou. **Nessah K. et al. (Tizi-Ouzou University)**
12. Detection and isolation of *Salmonella* spp. in goat milks samples. **Bellil Z. et al. (Bejaïa University)**
13. The influence of endoparasites on certain hematological parameters in sheep from the southern zone of the stat of Setif. **Bouchama B. (Setif University)**
14. Mycotoxinogenic Fungi Contamination of livestock animal's food sold in Ain Temouchent Region. **Benabderrahmane K. et al. (Ain T'émouchent University)**
15. Retrospective study and health situation of sheep in the province of Medea. **Boukert R. (ISV, Blida)**
16. Etiology of clinical mastitis cases in dairy sheep analyzed at the microbiology laboratory of the ENSV. **Azzag N. et al. (ENSV, Algiers)**
17. Characteristics of Small Ruminant Farms in the Commune of Tidjelabine, Boumerdes Province. **Baghezza S. et al. (Constantine University)**
18. Effect of the factors year, age and weight of the mother, sex, type of birth and lamb weight at birth on the Birth-Weaning Mortality Rate. **Belabdi I. et al. (Chlef University)**
19. Morphometric characterization of the caprine population in Ghardaïa. **Sahraoui N. A. et al. (Blida University)**
20. Prevalence of subclinical mastitis in local goats in the Laghouat region (ALGERIA). **Yahia A. et al. (ISV, Blida)**
21. Retrospective study of ovine and caprine Brucellosis in the communes of the wilaya of Jijel. **Boufertella A. et al. (ISV, Blida)**
22. Evaluation of sperm quality in goats and fertility of Saanen and Alpine goats in the Akbou region (Bejaïa). **Besbaci M. et al. (ISV, Blida)**

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23. Prevalence of mastitis and pheno-genotypic comparison of *Staphylococcus aureus* involved in intra-mammary infections of goats and cattle in Algeria. **Akkou M. et al. (ISV, Blida)**
24. Effects of litter size and age on monthly weight performance in Saharan lactating goats. **Henna K. et al. (Boumerdes University)**
25. Detection of Coxiella burnetii agent of Q Fever in small ruminants by PCRq. **Khaled H. et al. (ISV, Blida)**
26. Risk assessment related to the contamination of raw milk from goats and sheep in the province of Bouira. **Mebkhout F. et al. (ISV, Blida)**
27. Study of the genetic structure of small ruminants in Algeria; SNP or Microsatellite method? **Laoun A. et al. (Djelfa University)**
28. Seroprevalence evaluation of caprine brucellosis in Tipaza province." **Lounes N. et al. (ENSV, Algiers)**
29. Survey on goat staphylococcal mastitis in Laghouat. **Saidi R. et al. (Laghouat University)**
30. Morphological characterization of the ouled djellal sheep breed. **Harkat S. et al. (ISV, Blida)**
31. Incidence of clinical mastitis in goats and bacteriological profile. **Aouane N. et al. (ENSV, Algiers)**
32. Bacteriological profile of isolated pathogens during screening for subclinical mastitis in goats from Tizi Ouzou and Ghardaïa. **Aouane N. et al. (ENSV, Algiers)**
33. Morphological characterization of the Ouled Djellal sheep breed. **Sahraoui L. et al. (ENSV, Algiers)**
34. Small ruminants coccidiosis in the province of Médéa. **Bachene M. S. (Medea University)**
35. Evaluation of milk production performance in crossbred Ouled Djellal X D'man ewes. **Sebki K. et al. (ENSA, Algiers)**
36. Quality of raw milk by Fourier Transformation Infra-Red. **Kechacha L. et al. (ENSA, Algiers)**

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