Foreword p. 19
L origine des premiers symposiums internationaux sur la traite mecanique des petits ruminants p. 21
Study on the structure and the development of the canalicular system of the mammary gland during lactation in Manchega and Lacaune dairy sheep p. 35
Relationships between characteristics of the teat and milkability in Lacaune ewes p. 41
Comparison of milking ability between Manchega and Lacanne dairy ewes p. 45
La cinetique d'émisison du lait chez les chevres p. 51
Machine milkability of Murciano-Granadina dairy goats p. 59
Effect of inhibition of maternal behavior by peridural anesthesia on the endocrine response to milking during the first days after parturition p. 65
Comparison between the oxytocin response to suckling, a mixed system of suckling and milking, and exclusive milking in Lacaune ewe p. 69
Evolution of oxytocin, prolactin and cortisol release during the first milkings of primiparous ewes p. 73
Comparison of oxytocin, prolactin and cortisol release during the first and second lactation p. 79
The changes of plasma cortisol and Met-enkephalin in sheep during machine milking p. 85
The use of ultrasonography in the study of mammary gland cisterns during lactation in sheep p. 91
Effect of recombinant bovine somatotropin on milk yield and composition in lactating goats p. 94
Concentration of thyroid hormones in dairy goats during lactation p. 97
Changes in udder morphology as a consequence of different milking frequency during first and second lactation in Canarian dairy goats p. 100
Relationship between total milk produced and oxytocin milk in lactating Manchega ewes p. 104
Evolution of mammary morphology traits during lactation and its relationship with milk yield of Manchega and Lacanne dairy sheep p. 107
Phagocytic activity of polymorphonuclear neutrophils in ewes' milk p. 113
Utilisation des numerations cellulaires individuelles pour la detection des infections mammaires subcliniques de la chevre: definition de seuils p. 119
Intramammary pathogens and somatic cell counts in dairy goats p. 124
Frequence des differentes germes responsables de mammites cliniques et subcliniques chez les petits ruminants laitiers p. 130
Importance of subclinical mastitis in milking sheep and diversity of aetiological agents p. 137
Mastitis associated with Serratia macrescens in dairy ewes p. 142
Naturally occurring or experimentally induced subclinical ovine mastitis associated with Listeria monocytogenes p. 144
Relation entre les comptages de cellules somatiques du lait du troupeau et la prevalence des mammites subcliniques des brebis etimee avec les comptages de cellules somatiques individuels p. 151
Incidence des inflammations de la mamelle sur la production et al composition du lait chez la chevre p. 157
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluation of selected antibiotic residue screening test in milk samples from individual Manchega ewes</td>
<td>164</td>
</tr>
<tr>
<td>Subclinical mastitis in dairy sheep in Uruguay</td>
<td>168</td>
</tr>
<tr>
<td>Programmes de controle des mammites subcliniques chez les petits ruminants laitiers</td>
<td>171</td>
</tr>
<tr>
<td>Experimental intramammary infection with Staphylococcos haemolyticus in dairy ewes</td>
<td>175</td>
</tr>
<tr>
<td>Differential cell counts in goat's milk</td>
<td>178</td>
</tr>
<tr>
<td>Evolution of mycoplasma infection throughout lactation and effect on milk somatic cell counts in goats</td>
<td>181</td>
</tr>
<tr>
<td>New bacterial pathogens associated with mastitis in sheep</td>
<td>185</td>
</tr>
<tr>
<td>Daily variation in somatic cell counts from bulk tank goat milk</td>
<td>188</td>
</tr>
<tr>
<td>Outbreaks of acute ovine mastitis caused by Pseudomonas aeruginosa</td>
<td>192</td>
</tr>
<tr>
<td>Sensitivity of mastitis pathogens of ewes to antimicrobial drugs</td>
<td>196</td>
</tr>
<tr>
<td>Les salles de traite pour les grands troupeaux caprins en France</td>
<td>201</td>
</tr>
<tr>
<td>Quantitative requirements of milking installations for small ruminants. A survey in different countries</td>
<td>209</td>
</tr>
<tr>
<td>Caracteristiques de construction et de fonctionnement des installations de traite des ovins installees en Sardaigne</td>
<td>216</td>
</tr>
<tr>
<td>Le development de la traite mecanique des petits ruminants en Grece</td>
<td>221</td>
</tr>
<tr>
<td>The effects of the type of pulsator on the evolution of milk emission kinetics during machine milking in Manchega ewes</td>
<td>227</td>
</tr>
<tr>
<td>Machine milking parameters for the Manchega sheep breed</td>
<td>233</td>
</tr>
<tr>
<td>Resultats technico - economiques de deux elevages caprins du Minho (Portugal)</td>
<td>239</td>
</tr>
<tr>
<td>Computer based semi-automatic test systems for milking machines</td>
<td>242</td>
</tr>
<tr>
<td>Comparison among six milk claws for sheep milking</td>
<td>245</td>
</tr>
<tr>
<td>Field test of milking machines for sheep as a basis for new standards</td>
<td>248</td>
</tr>
<tr>
<td>Impact of milking machine design on new intensive farm sheep areas</td>
<td>251</td>
</tr>
<tr>
<td>Effects of partial milking during the suckling period on milk production of Lacaune dairy ewes</td>
<td>257</td>
</tr>
<tr>
<td>Partial suckling during the grazing period as a management tool for improving the annual production patterns of goat's milk in Norway</td>
<td>263</td>
</tr>
<tr>
<td>The effects of milking once or twice daily throughout lactation on milk production of Canarian dairy goats</td>
<td>267</td>
</tr>
<tr>
<td>Milk partitioning and milk flow rate of Canarian dairy goats under once daily or twice daily milking frequencies</td>
<td>274</td>
</tr>
<tr>
<td>Evolution of milk production of the Greek mountain sheep breed by using different methods of hand and mechanical milking and stripping</td>
<td>281</td>
</tr>
<tr>
<td>Situation des exploitations laitieres ovines et caprines vis a vis des dispositions de la directive UE 92/46</td>
<td>286</td>
</tr>
<tr>
<td>Effect of stage of lactation and type of birth on: I - milk production, composition and some blood parameters in hand-milked Barki goats</td>
<td>292</td>
</tr>
<tr>
<td>The effect of plane of nutrition during pregnancy of Greek dairy ewes on the development of mammary gland and on subsequent milk production</td>
<td>295</td>
</tr>
<tr>
<td>Effects of early weaning system on milk production and pre- and post-weaning behaviour in Karagouniko ewes and their lambs</td>
<td>298</td>
</tr>
<tr>
<td>Ewe lamb adaptation to mechanical milking procedures in Karagouniko breed</td>
<td>302</td>
</tr>
</tbody>
</table>
Goat milk production with foreign breeds in Uruguay

Behavioural reactions and assessment of temperament in ewes during machine milking

Assessment of fear reactions in dairy sheep and influence of temperament

Lactation performance of does and growth rates of kids under different milking methods

Experiments on sheep milking in Iceland

Changes in milk and blood composition in dairy goats during lactation

The influence of NE level and PDI/NE ratio in the diet on the milk yield in ewes with low milking level

Sectorial integration model of management system based on sheep milk production

Information database and extension system for the Hungarian sheep and goat sector on CD-ROM. Where to use it?

Decision-supporting system for milking goat and sheep farms

Opportunity for controlled milk production in Awassi ewes by reproduction techniques

Effect of pre-lambing supplementation on milk production of Merino ewes at grazing


The influence of diets containing ensilage on the quantity and quality of ewe's milk

Sheep milk production systems in the region of Mount Stara Planina

Effect of stage of lactation and type of birth on: 2 - milk composition in hand-milked Barki goats of Egypt

Dairy goat production for smallholders in Sichuan China and North Korea

Genetic aspects of udder morphology in Sarda primiparous ewes

Amelioration genetique de la morphologie de la mamelle dans les races Churra, Latxa et Manchega

Analyse genetique de la morphologie des chevres Saanen et Alpines francaises

Determinisme genetique de la cinetique d'emission du lait selon le potentiel laitier en race ovine de Lacaune et relations phenotypiques avec la morphologie de la mamelle

The inheritance of somatic cell counts (index of mastitis) in Chios sheep

Genetic analysis for mastitis resistance and somatic cell score in French Lacaune dairy sheep

Genetic and environmental correlations among somatic cell counts, milk yield and protein percentage in milking ewes

Implementation of a system based on electronic identification for the official milk recording of dairy goats in Catalonia

Adaptation of Fleischmann method for lactation calculations in sheep to local breeding system in Bulgaria and costs of milk recording

Selection of dairy goats by using lactation curve model

Effects of breed and parity on some dairy traits of Alpine and Saanen goats in Croatia

Productive and economic efficiency of meat and dairy utilization of ewes coming from crossing Polish Merino and prolifere breeds

Genetic evaluation of goal milk traits with a test day model
Milk composition of different sheep genotypes
Genetic improvement in milkability of the Corriedale breed: Morphological study of udder traits
Elaboration of a sheep milk recording method in the region of Lowland Poland
The udder traits and the milk yields of different sheep genotype
The effects of sheep genotype on the somatic cell counts of the milk
Estimation of the lactation curve of Chios ewes using a non-linear model
Milk recording of goats in Castilla-La Mancha
The morphology of the udder and milk quality and quality in the milking hybrid ewes F[subscript 1] East Friesian X Polish Merino
The preliminary characteristics of goat production in central Poland
Control laitier caprin dans la region du Minho (Portugal)
Etude des relations entre les comptages des cellules somatiques et production laitiere en differentes systemes de production caprins
Main features of evolution of milk recording in Manchega sheep
First results on structural and productive characteristics of the farms included in the Catalanian Dairy Goat Farmers Association
Systeme de controle laitier automatise des petits ruminants
Milk and lamb production of East Friesian-cross ewes in the north central United States
Correlations of results of goat milk control performed at different time intervals
The influence of somatic cell count on technological suitability of goat's milk for production of rennet cheese
Conditions d'apparition des inversions de taux du lait de chevre et effet des conditions de traite
Relation entre CCS et les caracteristiques du lait de brebis et de chevre
Changes in milk and cheese composition throughout lactation in Manchega sheep
Influence of milking machine on goat's milk quality in a Norwegian field study
Influence du niveau de vide de la machine a traire et des facteurs zootechniques sur les comptages de cellules somatiques chez les chevres locales grecques
Milk quality in dairy ewes at the end of lactation
The influence of storage time on the content of aromatising substance and free fatty acids in yoghurts of ewe's milk
The effect of [beta]-lactoglobulin genotype on cheese yield
Caracterisation des laits de differents genotypes caprins: qualite et aptitude aux traitements technologiques
Utilization of the lactoperoxidase system for the keeping quality of milk from small ruminants milked by hand
Effect of LP-system on some nitrogeneous compounds of milk from small ruminants milked by hand
The effects of [beta]-lactoglobulin genotypes on milk composition of various sheep breeds
Quality of protein in goat half-udder milk with varying somatic cell count levels
Etude de la qualite du lait et de ses proprietes fromageres, selon deux systemes de production p. 547

Separation electrophoretique des fractions majeures de la caseine ovine: analyse quantitative et impact sur le rendement fromager en laboratoire a echelle individuelle p. 550

Influence of sheep AA, AB and BB [beta]-lactoglobulin genotypes on milk composition and cheese yield p. 553

Bacterial contamination of raw bulk milk of sheep and goats p. 556

Lipase activity in milk of different goat breeds of southern Italy p. 559

List of references p. 561

List of participants p. 563

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.