

BOOK OF ABSTRACTS

8TH IDF INTERNATIONAL SYMPOSIUM ON SHEEP, GOAT AND OTHER NON-COW MILK

Virtual event: 4-6 Nov 2020





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Preface

Sheep, goats, and other non-cow milk producing animals are widely produced and consumed throughout the world. They contribute to nutrition and sustainable livelihoods through support of the economy, rural and peri-urban livelihoods, the empowerment of women, and food security.

The 8th IDF International Symposium on Sheep, Goat and other non-Cow Milk is an initiative of the International Dairy Federation (IDF). The general objective of the symposium is to share the newest science and experience on husbandry and milk production, technology, chemistry, physics, microbiology, nutrition without losing sight of the significance of markets and appropriate policies, as they evolved. The event is addressed to scientists and other professionals involved in the sheep's, goat's and other non-cow's dairy sectors including milk producers, dairy processing industry, trade associations, academia, and governments. The symposium will be a platform for knowledge exchange among international experts in the field.

To exchange on these specific commodities from our dairy sector, IDF has been organizing with its members 8 symposia.

- 1. Athens, Greece, 1985
- 2. Hersonissos, Crete, Greece, 1995
- 3. Nicosia, Cyprus, 2000
- 4. Zaragoza, Spain, 2004
- 5. Alghero/Sardinia, Italy, 2007 (organized by IDF Greece)
- 6. Athens, Greece, 2011
- 7. Limassol, Cyprus, 2015
- 8. Virtual event, Brussels, 2020, (organized by IDF Head Office)

This publication contains 73 abstracts, all of which are being presented by program representatives on the symposium days (November 4th, 5th, and 6th, 2020).

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Abstracts

4th November 2020	7
Socio-economic sustainability, policies and social aspects of non-cow milk production: Socio-economic sustainability, policies and social aspects of non-cow milk production: Socio-economic sustainability, policies and social aspects of non-cow milk production: Socio-economic sustainability, policies and social aspects of non-cow milk production: Socio-economic sustainability, policies and social aspects of non-cow milk production: Socio-economic sustainability, policies and social aspects of non-cow milk production: Socio-economic sustainability, policies and social aspects of non-cow milk production: Socio-economic sustainability, policies and social aspects of non-cow milk production: Socio-economic sustainability, policies and social aspects of non-cow milk production: Socio-economic sustainability, policies and social aspects of non-cow milk production: Socio-economic sustainability, policies and social aspects of non-cow milk production: Socio-economic sustainability, policies and social aspects of non-cow milk production: Socio-economic sustainability sustainabili	
M. Nicoline de Haan	8
Climate change and animal genetic resources for food and agriculture: state of knowledge opportunities	
Mohammed Bengoumi	9
Markets and Policy for Non-Bovine Milk	10
Andrew M. Novakovic	10
Global Strategy for the Control and Eradication of Peste des Petits Ruminants	11
Anna-Maria Baka	11
On-farm Monitoring of Goat Welfare	12
Edna Hillmann	12
CAP'2ER®: the environmental footprint calculator for French goat systems	13
Sindy Moreau ¹ , Aurore Vigan ² , Catherine Brocas ² , Jean-Baptiste Dollé ³	13
Establishment of a goat sector in Algeria as a lever for rural development: Case of the Amizon Bejaia	_
Bellil Kousseila ¹ , Lazereg Messaoud ¹ , Salhi Salima ¹ , Boukrif Moussa ² , Iguerouada Mokr Zaidi Zakia ³ , Belkheir Boussad ⁴	
The role of small dairy farming in local development	15
Messaoud Lazereg, Manel Djediane	
World Goat Day 2017 (Symposium, Commemoration, Exhibition) at a glance	
Farhad Mirzaei	16
Carbon footprint of dairy sheep and goat farms	17
Atzori Alberto Stanislao, Lunesu Mondina Francesca, Correddu Fabio, Sau Paola, Canna Antonello	as
Assessing the contribution of European small ruminants to warming using the GWP* metric	cs 18
del Prado, Agustin, Batalla Inmaculada, Pardo Guillermo	
Mastitis in small ruminants – A practical handbook for vets and farmers	
Simone Dore ¹ , Manuele Liciardi ¹ , Stefano Lollai ¹ , Maria Filippa Addis ² , Eugenia Agnese	Cannas ¹
The economic burden of the bluetongue disease for the Italian sheep industry and the natio service	
Massimo Canali ¹ , Maurizio Aragrande ¹ , Stefano Cappai ² , Andrea Carvelli ³ , Daria Di Sab Daniela Malatesta ⁴ , Sandro Rolesu ² , Costanza Romanelli ¹ , Paola Scaramozzino ³ , Giovar	nni Savini⁴
Implementation of genomics in French dairy goat selection scheme	21

Use of antimicrobial proteins of donkey milk as preservative additives in production of dairy produc
Sebnem Ozturkoglu-Budak ¹ , H. Ceren Akal, Nilay Bereli, Duygu Cimen, Semra Akgonullu, Atila Yetisemiyen4
Semihard goat milk cheese: composition, sensory and rheological properties during ripening an storage
Efthymia Kondyli, Eleni Pappa, Loulouda Bosnea, Eydokia Malamou, Anna Maria Vlachou 5
Physical-chemical and microbiological characterization of donkey milk and its application in the processing of yogurt
Choque Villena Lisbeth Melisa, García Torres Silvia Melissa, Ludena-Urquizo Fanny 5
Physicochemical and sensory properties of yogurt types made from ahabadi goat's milk (probioti pineapple nectar, cow's and goat's milk mixture)
Rahele Razmjoui Akhgar ¹ , AmirReza Shaviklo ² 5
Characterization of traditional Kefalotyri cheese5
Eleni C. Pappa, Efthymia Kondyli, Anna-Maria Vlachou, Athanasia Kakouri, Evdokia Malamou . 5
Ovine Ice Cream made with addition of Whey Protein Concentrates of Ovine -Caprine origin
Ekaterini Moschopoulou, Dimitris Dernikos, Evaggelia Zoidou5
The study the antimicrobial activity of peptides delivered from mare whey proteins
Meyramkul Narmuratova, Zhanar Narmuratova5
6th November 20205
Why do Somatic Cell Counts (SCC) in Goat Milk matter?
Olav Østerås5
Improving small ruminants' production5
Haim Leibovich, Ido Leibovich, Wim Govaerts5
Management of <i>Listeria monocytogenes</i> risk during cheese-making and shelf life of Mozzarella Bufala Campana PDO cheese
Annalisa Ricci ¹ , Francesco Martelli ¹ , Marcello Alinovi ¹ , Alessandro Garofalo ² , Germano Mucchetti ¹ , Erasmo Neviani ¹ , Valentina Bernini ¹ 5
Prevalence and characterization of <i>Yersinia enterocolitica</i> detected from sheep and goat raw milk an cheese making plants
Francesca Piras, Carlo Spanu, Giuliana Siddi, Anna Maria Mocci, Mariella Demontis, Rita Sanna, Maria Pina Meloni, Vincenzo Spanu, Christian Scarano, Enrico Pietro Luigi De Santis
CapriMam3D - 3D technologies to improve goat milking
Minier Marine ¹ , de Crémoux Renée ¹ , Poulet Jean-Louis ¹ , Marnet Pierre-Guy ² , Delouard Jean-Michel ³ , Delattre Laurent ³ , Martin Pierre ⁴ , Pommaret Alain ⁵ , Boyer Claire ^{1,5} , Ulrich Pierre ⁵ , Hua Christophe ⁶ , Rupp Rachel ⁶ , Hubert Alice ¹
Oxytocin release as good indicator of milking efficiency in camels
Marwa BRAHMI¹, Moufida ATIGUI², Mohamed HAMMADI¹, Pierre-Guy MARNET³6
Milking impacts on rubber liners for goats

The study the antimicrobial activity of peptides delivered from mare whey proteins

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Abstract

The goal of the given article is to study the antimicrobial properties of whey protein hydrolyzates on E. coli culture. The results presented that the synergistic antimicrobial activity of the enzymatic hydrolysates of whey proteins on pathogen cultures is concentration dependable. Fractionation of 120 min hydrolysate by pepsin showed significant antibacterial activity. Based on the results of the present study, it can be concluded that the enzymatic hydrolysates of the native proteins derived from mare whey have antibacterial ability. This study suggested that the Kazakhstan mare's milk has antibacterial activity and may be candidate for pharmaceutical studies as a purpose of producing antibacterial agents based on biologically active peptides.

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