



IGA Newsletter June 2019

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Conference Report - Poland, "Native goat breeds and traditional dairy products"

October 9-10, 2018

Dwór Ostoja, Klimkówka and The Institute's Experimental Station in Odrzechowa



Conference subject: breeding of the Carpathian Goats, implementation of the conservation program, veterinary prevention, and quality of goat products.

The conference "Native goat breeds and traditional dairy products" was organized by the National Research Institute of Animal Production, Department of Sheep and Goat Breeding within the project BIOSTRATEG II "Use and protection of genetic resources of livestock in sustainable development conditions." It took place at the Institute's Experimental Station in Odrzechowa (Poland) on October 9th and 10th, 2018.

During the conference, the coordinators of the protection of genetic resources program, researchers, goat breeders and representatives from the Regional Association of Sheep and Goat Breeders participated. Altogether, nine lectures were delivered. The main subjects were:

- breeding of the Carpathian Goats in Poland;
- restitution of the other two local Polish breeds: Sandomierz and Kazimierz goats;
- implementation of the conservation program of the local breeds;
- quality of goat products;
- local goat populations and traditional goat products in the world;
- promotion of regional products;
- prophylaxis;
- influence of grassland on the quality of the goat products in an organic farm.

Tasting of goat dairy products, from Carpathian goats' breeders, took place. At the end of the conference, the participants visited the Experimental Farm of the National Research Institute of Animal Production in Odrzechowa, including the Carpathian goat herd.

Special thanks to Emilia Bagnicka, IGA's Regional Director for Eastern Europe, for this information.

[See more photos, CLICK HERE.](#)

7th International Conference on Sustainable Animal Agriculture for Developing Countries (SAADC 2019)

"Eco-friendly Animal Production for Profitable Smallholder Farming"

November 8-11, 2019

Hotel Pokhara Grade, Pokhara, Nepal

Website:

www.saadc2019.org

Target participants:

Stakeholders in animal agriculture production including scientists, researchers, veterinarians, policy makers, farmers and entrepreneurs.



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Profile - Dr. Sylvie Giger-Reverdin

Associate Editor for Nutrition

Dr. Sylvie Giger-Reverdin is working as a senior scientist for the French



Research Institute in Agriculture Science (INRA), in the INRA-AgroParisTech Research Unit MoSAR (Systemic Modelling Applied to Ruminants), Paris, France. She graduated in Agricultural Science from the Institut National Agronomique Paris-Grignon (France), with specialization in Sciences and Engineering in Animal Science, Nutrition option and received a Master of Science in Nutrition and Feeding of domestic animals from the Paris VI University (France) in 1977. She obtained a Ph.D. in Agricultural Science from the Institut National Agronomique Paris-Grignon (France), with her dissertation titled "Influence of the composition of the concentrate on the nutritive value of diets fed to dairy ruminants."

Her main field of research concerns the nutrition and feeding of ruminants bred in intensive conditions, especially dairy goats, used as a model for dairy cattle.

She has been especially involved in research on the nutritive value of concentrates, on the nutritive requirements of goats and on ruminal metabolism. For a couple of years, she has focussed on the effects of feeding behavior, and especially on the relationships between acidosis, feeding behavior and animal welfare in dairy goats.

Dr. Sylvie Giger-Reverdin is an IGA member.

Profile - Prof. Khoboso. C. Lehloenya

Associate Editor for Reproduction

Prof. K.C. Lehloenya is Associate Professor in the Department of Agriculture, University of Zululand, KwaZulu-Natal province, South Africa. She teaches various physiology and animal science subjects. To date, she supervised 16 postgraduate students to completion in reproduction and production physiology. Her specialization is in reproductive physiology and utilization of assisted reproduction technologies in farm animals to speed up the genetic progress and conservation of valuable genetic material. She is currently focused on combining specific nutrients (antioxidants) and molecular biology

to improve livestock production using assisted reproductive technologies such as estrous synchronization, artificial insemination, in vitro embryo production and gametes cryopreservation. She visited and collaborated with international researchers from University of Florida (USA), INIA (Spanish National Institute for Agricultural and Food Research and Technology, Spain), AGRIS (Agricultural Research Agency of Sardinia, Italy). She authored and co-authored numerous papers on in vitro fertilization, estrous synchronization, multiple ovulation and embryo transfer, semen quality and cryopreservation.



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You can pay your membership online through the [IGA Store](#)

Now is a great time to join:

- IGA memberships are effective for 1 year from the date you join.
- All IGA memberships include online access to [Small Ruminant](#)

Research.

- Participate in IGA projects, such as the IGA Consulting Group.
- Access to the MEMBERS area of the IGA website, where you get exclusive information, access to IGA member documents, etc.
- Submit articles for publication in the IGA Newsletter.

- Opportunities for leadership and participation in IGA committees.
- IGA is the voice of goat researchers & producers at national & international levels.

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Guidelines for the use of antibiotics in production animals

Cattle, pigs, sheep and goats

Introduction

In 1998 the Swedish Veterinary Association decided to adopt a general policy for the use of antibiotics in animals. Since then specific policies for the use of antibiotics in dogs and cats have been adopted and in 2011 Guidelines for the use of Antibiotics in Production animals - Cattle and Pigs, were accepted. By decision of the board of the Swedish Veterinary Society (SVS) these guidelines have been updated.

The over-arching goal of SVS is to achieve a low and controlled use of antibiotics in Swedish animal production so that the first-hand choices of treatment remain efficient and that the spread of antimicrobial resistance - among animals and herds as well as in the food chain - is kept at a minimum. Keeping antimicrobial resistance in animals low is important also for human health, since we are all part of the same ecosystem. The authors of these guidelines hope that they may be useful for veterinarians in clinical practice when deciding on treatments for common diseases and ailments caused by bacteria. Sometimes the decision may even be to refrain from use of antibiotics and choose other ways of improving herd health.

[To read more of the introduction, download a copy here.](#)

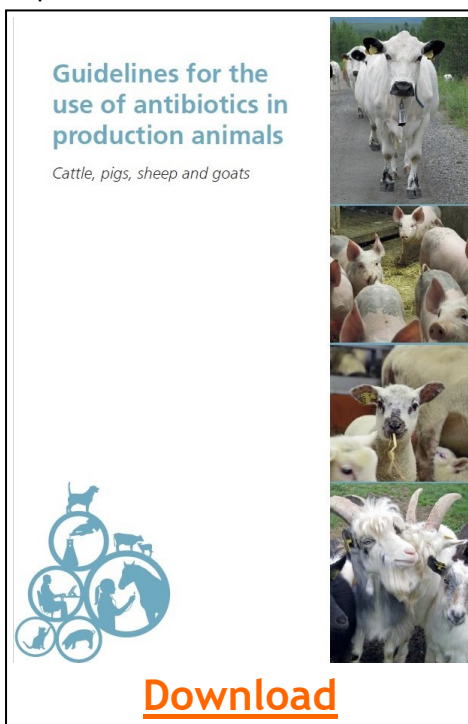
Diseases in goats

Ylva Persson, DVM, PhD

Introduction

In Sweden only one antimicrobial is registered for use in goats - benzyl penicillin procaine (BPP) (Penovet®, Boehringer Ingelheim Vetmedica, FASS VET. Sweden 2015). All other drugs for therapy need to conform to the EU cascade principle. Since goats might react with strong pain to injections with tetracycline other antimicrobials

should be preferred if BPP cannot be expected to be effective.



Mastitis

Mastitis is the most important production disease in goat milk herds. Good udder health is important for animal welfare as well as from food safety aspects. The most frequently isolated udder pathogens in dairy goats in Sweden are Staphylococcus (S.) aureus and coagulase negative staphylococci (CNS). Subclinical mastitis is seen more often than clinical.

Diagnostics

Milk samples for bacteriological culture should be taken from the udder half with symptoms of clinical mastitis - swollen gland and changed milk. California Mastitis Test (CMT) can be used to diagnose subclinical mastitis. Samples are taken from udder halves with a CMT reaction >2. Milk samples from cases of subclinical mastitis should be sent to an accredited laboratory in a suitable medium - chilled if possible.

Treatment

The therapy of choice for cases of acute, clinical mastitis in goats is sys-

temic injections of BPP dosed at 20 mg/kg, im SID for five days. If S. aureus has been identified as the etiological agent the parenteral treatment may be combined with short-acting intramammarys containing penicillin, infused in the affected udder half SID for five days. Intramammarys should be infused after milking and the kids should not be allowed to suckle the doe until two hours have passed. Antimicrobial therapy can be supported by extra milkings, injections of oxytocin to stimulate milk let-down and NSAID depending on symptoms.

Animals with chronic clinical or exacerbated mastitis or mastitis caused by E. coli or beta-lactamas producing staphylococci should not be treated with antibiotics for reasons stated above (poor prognosis, non-prudent use of antibiotics and risk of propagating antimicrobial resistance in herds). Subclinical mastitis could be treated with long-acting intramammarys containing penicillin in both udder parts at drying off. Aseptic principles must be used when administering intramammary tubes and care must be taken not to damage the teat canals.

[Read more about Metritis, Septicemia, Enteritis, Arthritis, diseases of feet and claws, Pneumonia, Listeriosis, infections of the eye. Download a copy here.](#)

Special thanks to Dr. Ylva Persson, IGA's Country Representative in Sweden, for bringing this document to our attention.

Learn more about
our wonderful

[Country Representatives](#)

and

[Regional Directors](#)

Profile - Dr. M.S.A. Kumar

Associate Editor for Health and Welfare

Dr. M.S.A. Kumar earned his veterinary degree (BVSc) and subsequently a master's degree (MVSc) in anatomy with University Gold Medals from the Mysore Veterinary College, in Bangalore, India. He was a dairy cattle veterinarian for three years and went to Nigeria to teach veterinary anatomy at the Ahmadu Bello University for two years and also served as an external examiner for anatomy at the University of Nigeria. He joined Kansas State University to earn an MS degree in veterinary physiology and a Ph.D.

degree from the University of Florida in neuroendocrinology. He taught anatomy and surgical anatomy as well as renal physiology at the University of Florida and moved to Boston to join the Veterinary College associated with Tufts University. He has been teaching and directing the veterinary anatomy program at Tufts University for three-plus decades, and maintained an active lab conducting research on neurochemistry. Dr. Kumar published extensively in the field of neuroscience and also published two textbooks on canine anatomy (Linus Learning Publishers, NY). He is currently a professor of anatomy in the department of

medical education, Tufts University School of Medicine, Boston.



Profile - Dr. Nurit Argov-Argaman

Associate Editor for Health and Welfare

Nurit Argov-Argaman graduated in Animal Science from the Faculty of Agriculture of the Hebrew University of Jerusalem, Israel. After a postdoc fellowship in the Food Science and Technology department at UC Davis, she joined as a faculty in the Animal Science Department of the Hebrew University of Jerusalem, specializing in lactation physiology and metabolism. Dr. Argov-Argaman is actively engaged and leading research on the metabolic and molecular pathways regulating milk composition, with a special interest in milk lipids, including but not limited to fatty acids, polar lipids and glycol-conjugates. Her

group conducts in vivo studies on various mammalian species, including bovine, caprine, ovine, mice and human to understand how to elevate the content of bioactive molecules in milk. The underlying molecular, biochemical and metabolic regulation of milk composition is studied in in vitro system of mammary epithelial cells, employing metabolic, biochemical and biophysical approaches.

Her group is also leading the development of a sustainable approach to induce production and improve milk quality by studying the interaction between genetic background and diet of dairy farm animals. Of special focus is the dietary source of plant secondary metabolites which may help to

maintain productivity under stressful conditions such as energy balance, heat stress, and water shortage.



Profile - Dr. J.N.B. Shrestha

Associate Editor for Genetics

Dr. J.N.B. Shrestha retired as Research Scientist in the Dairy and Swine Research and Development Centre, Agriculture and Agri-Food Canada, Quebec, Canada, and Adjunct Professor in the Department of Animal Science, University of Manitoba, Winnipeg, Manitoba, Canada. He obtained professional degrees from U.P. Agricultural University, India (BVSc &

AH; 1966), and from University of Minnesota, USA (MS and Ph.D.; 1970 and 1973), followed by Postdoctoral research (1973-75) at the University of Minnesota and National Research Council of Canada. His area of specialization has been in Animal Breeding and Genetics, Reproduction, Production and Conservation of Domestic animal diversity. He has supervised numerous MS and Ph.D. students, as well as authored and co-authored

more than 200 scientific, technical and popular papers on long-term sheep, swine and poultry breeding, development of reproduction and molecular technologies to enhance productivity, and the preservation of domestic animals. Dr. Shrestha also participated in International Conferences held in various countries as keynote speaker, chaired sessions and presented scientific papers.

Profile - Dr. Raúl Bodas

Associate Editor for Nutrition

Dr. Raul Bodas holds a B.Sc. and a Ph.D. title in Veterinary Science, specialty Animal Production from the University of León (Spain). He spent one year as a PostDoc at the Division of Farm Animal Science (University of Bristol, UK). He worked as a lecturer for the University of Valladolid (Spain) and as a researcher at the Spanish National Research Council (CSIC). Currently, he is a researcher in the Livestock Research Area with the Agrarian Technological Institute of Castille and Leon (ITACyL, Spain). He is a member of the Spanish Society for the Study of Sheep and Goats (SEOC), the Interprofessional Association for Agricultural Development (AIDA), the American Society of Animal Science (ASAS), and the European Federation of Animal Science (EAAP).

Raul's fields of expertise and interest are the interaction between ruminant feeding and production systems and their impact on product quality (meat, milk), environmental impact, efficient use of resources and animal welfare.

He has also been involved in many National and European public funded projects, contracts with enterprises or the administration. Raul is the co-author of around 60 JCR scientific papers, 25 peer-reviewed papers, 3 book chapters, 30 informative papers and more than 60 communications to national and international conferences. He has tutored 5 final degree projects, 3 MSc and 1 Ph.D. thesis. He also likes to collaborate in the review of scientific papers, projects, and proposals whenever his workload and

editing duties allow.

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<https://scholar.google.es/citations?user=m6Ha6o8AAAAJ&hl=es>



“La cabra es el mejor aliado para limpiar el monte y mejorar el rendimiento del ganado vacuno”



Entrevista a Koldo Osoro Otaduy, veterinario e investigador del Servicio Regional de Investigación y Desarrollo Agroalimentario del Principado de Asturias (SERIDA). Participó recientemente en Viana do Bolo en la II Reunión de Otoño de la Sociedad Gallega de Pastos y Forrajes

David Glez. Eirexas

Volver a recuperar los rebaños de cabras para controlar el matorral que invade los montes gallegos no supondría solo una forma más económica y ecológica de reducir los incendios forestales que asolan el Noroeste peninsular sino que también contribuiría a mejorar el pasto para el ganado vacuno y ovino, mejorando sus rendimientos.

Estas conclusiones, apoyadas en estudios científicos, fueron expuestas recientemente por el veterinario e investigador del Servicio Regional de Investigación y Desarrollo Agroalimentario del Principado de Asturias (SERIDA), Koldo Osoro Otaduy en la reciente Reunión de Otoño de la Sociedad Gallega de Pastos y Forrajes, celebrada en Viana do Bolo (Ourense).

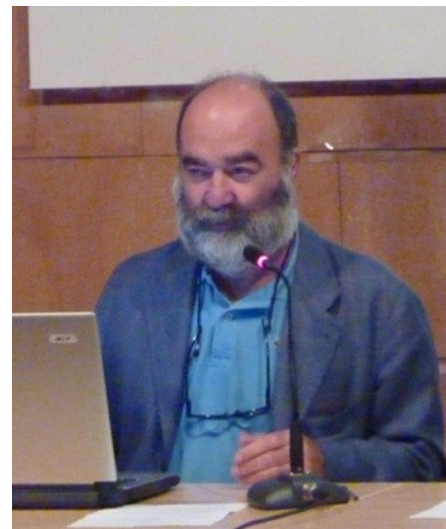
Tu ponencia llevó por título, El desarrollo de Ganaderías Beneficiosas: El minifundio no debería ser un problema. Abordaste el problema del desaprovechamiento del matorral para el pastoreo del ganado. ¿Que potencial tiene para la ganadería?

Galicia, Asturias y Cantabria son las zonas de la Península más matorralizadas. Estos matorrales se sitúan normalmente en suelos pocos profundos y poco productivos para otras actividades, pero si idóneos para la producción de pastos y pueden mantener

rebaños, fundamentalmente de pequeños rumiantes, unas 6 a 10 cabras por hectárea. Se está perdiendo un enorme potencial de pastos y también un medio natural de prevención de los incendios forestales.

Un agradecimiento especial a Juan Capote por esta información.

[Lee mas...](#)



Profile - Prof. Edi Piasentier

Associate Editor for Meat

Edi Piasentier is Professor of Animal Husbandry in the Department of Agricultural, Food, Environmental and Animal Sciences at the University of Udine. Piasentier serves as director of the University's Experimental Farm 'A. Servadei' and he is the coordinator of the 'Livestock Farming and Food Quality' research group at the University of Udine, where he is also course convenor in the graduate and postgraduate programs of Animal Sciences. He is a member of the scientific committee of the doctorate programme in Agricultural Sciences and Biotechnologies, and he has been the

first supervisor for 12 Ph.D. students in different aspects of meat quality research, from molecular processes to consumer perception.

He is the author of more than 320



publications; his articles have appeared in journals such as Meat Science, Animal Science, Food Chemistry and Food Quality and Preference. His research interests mainly focus on evaluation and modification of the perceived quality of and traceability of animal-source foods. He has applied his expertise in sensory analysis and stable isotope ratio analysis in the study of products from several livestock species, including small ruminants.

He has collaborated with research groups in Europe, US, Asia, and Africa. He is a founding member of the Italian Society of Sensory Science.

Profile - Dr. Hillary Voet



Associate Editor for Statistics

Hillary Voet studied at the Hebrew University of Jerusalem, attaining a B.Sc. in Mathematics and Statistics and an M.Sc. and Ph.D. in Statistics. She continued as a lecturer and senior lecturer at the Hebrew University Faculty of Agricultural, Food and Environmental Studies, teaching a wide range of courses in statistics and SAS programming to undergraduate and graduate students. She also gave courses in statistical methodology to graduate students at the Weizmann Institute of Science.

In addition to teaching, she assisted students and faculty members in planning experiments and analyzing data.

Her main areas of expertise were agricultural economics, dairy science, human nutrition, horticulture, biological control, and plant protection. She also provided statistical consultation to researchers and students from the Weizmann Institute, specializing in analysis and interpretation of data in Genetics, Biology, Bioinformatics, and Neurobiology. She has worked for over 30 years with agricultural production boards in survey design and sampling. She has also consulted and provided data analysis for clinical and preclinical studies with physicians from various hospitals in Israel and pharmaceutical and biotech companies. Currently, she provides statistical consultation and support to researchers and students at the Volcani ARO.

Proceedings of the 3rd National Goat Conference

"Building Towards a Sustainable Future via a Healthy and Profitable Goat Industry"

The Proceedings of the 3rd National Goat Conference are now available. [You can download them here.](https://docs.wixstatic.com/ugd/67d69e_327ca4bc9404f9a7f45dcdee824a3.pdf)

This conference took place on September 16-18, 2018 at Tuskegee University, Tuskegee, Alabama, USA.

https://docs.wixstatic.com/ugd/67d69e_327ca4bc9404f9a7f45dcdee824a3.pdf



"Building Towards a Sustainable Future via a Healthy and Profitable Goat Industry"

Report: Visiting China - August 2018

By Juan Capote, IGA Past-President & Jean-Marie Luginbuhl, IGA Secretary-Treasurer

In August 2018, Juan Capote as IGA Past-President, Herve Hoste as IGA Board Member, Zaisen Wang as IGA Member from Langston University and Jean-Marie Luginbuhl as IGA Secretary-Treasurer participated and made oral presentations at the 2018 Chinese National Sheep and Goat Conference held in Bengbu 15-18 August. We had been invited by Dr. Yingjie Zhang, president of the Chinese

Sheep and Goat Association, IGA Board Member and Professor and Dean from the Agricultural University of Hebei. In addition to the scientific presentations, the attendees visited two sheep farms. Unfortunately, typhoon Rumbia passed through Bengbu during the conference and drenched the region with heavy rains accompanied by strong wind gusts. While at the meeting, we interacted with Dr. Luo Jun, IGA Regional Director from Northwest A&F University.

Following the National Sheep and Goat Conference, Juan Capote and Jean-Marie Luginbuhl traveled to Fuping, in the province of Shaanxi, to attend and participate at the 2nd World Dairy Goat and Sheep Industry Development Conference where they met Dr. Maria Fresno, IGA member from the Canary Islands, Spain and Vicky McLean, IGA Country Representative from New Zealand. The four of us had been invited by Dr. Binyun Cao from Northwest A&F University. Also attending the conference were Dr. Luo Jun, IGA Regional Director from Northwest A&F University and Dr. Sun Haizhou, IGA Country Representative for Northwest China and Inner Mongolia. Maria, Juan, Vicky and myself made presentations

during the conference and at several other locations post-conference. In Quianyang, we made presentations in a session for farmers and visited the goat show where the farmers had the best milking goats received a monetary incentive.

While at the conference, we attended a meeting, chaired by Dr. Binuyn Cao, along with conferences attendees from Australia and New Zealand, to discuss the main organizational body structure of the International Dairy Goat/Sheep Industry Association (IDGSIA). The Association was registered in Paris on August 18, 2018. We also visited several dairy goat farms and very modern milk processing plants manufacturing milk powder and became part of a panel ranking powder milk samples according to solubility, color, odor, and flavor.

Jean-Marie Luginbuhl also visited the Animal Science department of Northwest A&F University in Yangling, the university experimental farm, and an animal feed manufacturing plant owned and managed by a Northwest A&F University alumnus. Finally, Jean-Marie made a presentation to Northwest A&F University Animal Science students.



Dr. Jim De Vries obituary



The International Goat Association is sad to announce the passing of Dr. James De Vries on April 7, 2019 (February 13, 1944 - April 7, 2019).

Jim was a very devoted member of the IGA. He served as the IGA Secretary-Treasurer for two terms and was a Board member for three terms.

He was born in the Netherlands, emigrated by boat with his parents and

seven siblings to the United States, and became a naturalized U.S. citizen in 1961. His passion for helping others led him to join the Peace Corps where he served in East Africa. His time in Africa marked a turning point in his life.

It was there that he found a desire to help the world's poor and hungry. While serving, he met Judy Richardson, and they married in Kenya on August 16, 1969. Judy passed away in 2014. Jim earned his Ph.D. in continuing and vocational education from the University of Wisconsin. He was fluent in English, Dutch and Swahili; and read and understood German.

He joined Heifer International in 1982 as director of Africa/Near East Programs. In 1992, he was promoted to director of International Programs and would retire as Senior Vice-President. Jim directed programs around the world. He provided leadership and mentoring to the headquarters team as well as to Heifer's on-the-ground staff around the world, developing and managing more than 488 programs through 35 country offices. Jim's tireless efforts made the lives of thousands of peo-

ple better.

Jim was crucial in maintaining a strong relationship between IGA and Heifer. He supported their institutional membership, encouraged his staff to join as members of the IGA and to attend our International and Regional conferences. Until his retirement in 2011, Jim participated in numerous IGA conferences and Board meeting.

Jim was an active member of St. Andrew's Church. After retirement, he served through the Missions Team and Grief Share mentoring. There he met Suzanne Tank, and on January 7, 2017, they married.

Jim is survived by Suzanne, his three sons, and four grandchildren; Eric and wife Kristi, their children: Lauran and husband Jeremy, Tyler, and Emma; Christian and wife Sarah, and their son Alexander; and Timothy De Vries. He is also survived by, his brothers Charlie De Vries and Bill De Vries, and sisters Linda Blokeyl, Susan Henry, Ann Scholier, and Alberta Harris.

In memoriam of Carlos Gutiérrez Cabrera

In memoriam of Carlos Gutiérrez Cabrera

Dr. Carlos Gutiérrez Cabrera passed away Friday 8 March 2019 in a tragic car accident. Dr. Gutiérrez was born in the Canary Islands (Spain) in 1960. He studied Veterinary Science in the Cordoba Veterinary Faculty in Spain, and in 1989 joined to Academic Faculty staff in the Las Palmas de Gran Canaria Veterinary Faculty as Assistant Professor in Large Animals Medicine area. Dr. Gutiérrez earned his Associate Professor position in 1998. In 2015, he received a Full Professor position. As a Professor, Dr. Gutiérrez was devoted to his students, always available to solve any query from his pupils. Dr. Gutiérrez

research was focussed in large animal diseases mainly trypanosomiasis. He was an expert in Camel medicine. As a human being, Carlos always held a smile in his face. His attitude in live was always positive and he was available when you need him. I will miss you.

Rest in peace Carlos,
Anastasio Argüello

Condolences from the IGA Board

Having learned of the passing of Professor Dr. Carlos Gutiérrez we, on behalf of the members of the International Goat Association (IGA) and our Board of Directors, wish to ex-

press our sympathy and our deep regrets for the death of someone who has collaborated effectively with the International Goat Association in the organization of the XI International Conference on Goats that took place in Las Palmas de Gran Canaria in September 2012. We also support any initiative leading to the recognition of Professor Dr. Carlos Gutiérrez's achievements by any institution with the competence to do so.

Our sincere condolences.
Beth Miller, DVM
President

Jean-Marie Luginbuhl, PhD
Secretary-Treasurer

Report - 2018 Scientific Meeting Polish Society of Animal Production

Between September 19-21, 2018 the LXXXIII scientific meeting of Polish Society of Animal Production entitled "Challenges of animal husbandry in sustainable agriculture conditions" took place in Lublin (south-eastern Poland). The main organizer of the conference was the University of Life Science in Lublin, Faculty of Biology, Animal Sciences and Bioeconomy. There was also a meeting of the section goat and sheep rearing and breeding during the conference. Twenty-five people took part in this meeting.

- Altogether, 33 reports were delivered, including six on goats. Two of them were presented by colleagues from Sumy National Agrarian University, Biological Techno-

logical Faculty in Sumy, Ukraine. The main subject of these lectures were: the somatic cell count in goat milk in different year seasons, physicochemical composition, and technological properties of goat milk as a material for soft cheese production.

The other subjects of the lectures concerning goat breeding and maintaining were: the prevalence of SRLV infection among the different goat breeds maintained in Central and South-Eastern part of Poland;

- the concentration of the acute phase proteins in blood serum of goats infected with SRLV;
- the technological parameters of

milk from organic farms;

- four reports concerning Alpaca breeding in Poland.

Regarding sheep breeding, the main subject of the lectures was lamb meat production and the quality of lamb meat, sheep reproduction issue, factors influencing the immune system of lamb and ewes, and sheep behavior.

Special thanks to Emilia Bagnicka, IGA's Regional Director for Eastern Europe, for this information.



Report - International Conference, Kouty, Czech Republic, November 2018

The international goat conference that took place in Kouty from November 9th to 10th, 2018, included visitors from Poland and the Slovak Republic.

Program of the conference

- 1) Opening ceremony
- 2) The health situation of livestock farming in the Czech Republic and Europe. The health control methodology and prescribed vaccination in the year 2019 (Central Director of the state veterinary administration)
- 3) Current information on the agrarian policy in the Czech Republic (Vice-Chairman of the Association of Private Agriculture of the
- 4) Appreciation to the members of the association for their contribution to the development of sheep and goat farming
- 5) Breeding of dairy sheep in Slovakia
- 6) Upcoming changes in the calculation of sheep breeding values
- 7) Modern view of nutrition of small ruminants
- 8) Pasture and forage crops during drought
- 9) Nutrition of small ruminants in the crisis period
- 10) Inbreeding and inbreeding depression in sheep
- 11) Sheep and goat nutrition at the time of lack of fodder, current

Czech Republic)

knowledge, and possible solutions

- 12) The 90 years of dairy performance in goat breeding
- 13) Breeding program in sheep and goat in terms of improving health

Special thanks to Zuzana Sztankoova (IGA-CR, Czech Republic) for this information.



Latvian Goat Society's new website

Check out the Latvian Goat Society's beautiful new website,

<http://www.latkaza.lv/>.

Learn more about the Latvian Goat Society and what they do, read this great profile on the IGA Blog,

<https://www.iga-goatworld.com/blog/announcement-lgs-joins-iga>.



Honoring IGA's Founders - Dr. Canagasaby Devendra

As IGA continues to grow and strengthen, we want to remember some of the people who helped us become the globally respected organization that we are. Today, we highlight Dr. Canagasaby Devendra.

Career

Dr. Devendra earned a Bachelor of Agriculture Science degree while in New Zealand, a Master of Agriculture Science in Malaysia, and his Ph.D. and DSc degrees from the University of Nottingham in the United Kingdom. His specialization is in animal nutrition and animal production systems, central to which is integrated natural resource management and agricultural systems. He is an international tropical animal production specialist with experience spanning over thirty years in research and development initiatives.

Dr. Devendra has written 19 books and approximately 496 mostly peer-reviewed publications and chapters in books. Recent additions are *Goats: Biology, production and development in Asia* (2007), and *Small farms in Asia: revitalizing agricultural growth, food security and rural prosperity* (2010).

Of course, there are many book publications by Dr. Devendra, which speak volumes about his efforts to promote the understanding of the science and management of goats, not to mention the many awards that he has collected.

He has worked in the University of the West Indies in Trinidad; MARDI in Malaysia; and the Animal Production Systems Asia programme with IDRC in Canada. He was a member of the Strategic Planning Task Force of ILRI in Nairobi, Kenya, and subsequently as Senior Associate. He has been a consultant to the World Bank, ADB, UNDP, FAO, IAEA, Commonwealth Secretariat, USAID, and several governments.

He was Distinguished Visiting Professor to the University of Delaware, USA, and has also been an external examiner to the Universities of Queensland, Australia, and Uppsala, Sweden, and the University of Life Sciences in Aas, Norway. He is on the editorial board of four international journals and consultant to seven others. Dr. Devendra was the first Asian recipient of the International Dairy Production award from the American Dairy Science Association in 1989.

Here is a small sample of Dr. Devendra's numerous achievements, and the awards and accolades that he has received:

- In 1979, he was invited to present a research paper at the very first International Symposium of Dairy Goats at the Annual Meeting of the American Dairy Science Association.
- In 1980, he attended with George Haenlein, Maurice Shelton, and David Huston at a Conference of the National Research Council to publish the first and only book on *Nutrient Requirements of Goats*.
- In 1983, he invited George Haenlein to present a joint research paper on goat nutrition at the International Livestock Improvement Center at Addis Ababa - Ethiopia.
- In 1989, he was awarded a distinguished professorship for one semester at the University of Delaware.
- Also, in 1989, he received the distinguished International Dairy Science Award from the American Dairy Science Association at their Annual Meeting in Lexington, Kentucky.
- He organized an international symposium in Tirupati, India in 1990 with the focus on Goat Research by the Year 2000.
- He was awarded the Medal of Honor by the Minister of Agricul-

ture, Vietnam in 2001.

- In 2004, he received the Lincoln University International Alumni Medal from New Zealand, and the Asian Animal Science award from Korea. He is an academician of the Academy of Sciences Malaysia.
- In October 2013, he was honored with the Third International Animal Agriculture Award by World Association of Animal Production (WAAP) and was the first Asian and Developing country recipient.
- In April 2014, he was honored with "The Lifetime Achievement Award" by the Animal Nutrition Society of India.

Impact on IGA

Dr. Devendra played an essential role in IGA's development. In January 1982, during the 3rd International Conference on Goats, Dr. Devendra was a member of the International Goat Association planning meeting. This meeting was a select group of internationally recognized leaders in the goat world who developed the foundations of IGA. This group included Christian Gall, Pierre Morand-Fehr, Jean Boyazoglu, George Haenlein, and Dr. Devendra.

As a member of the first Board of Directors, Dr. Devendra played an essential role in establishing IGA as an international entity and in its development and success. This Board consisted of Jean G. Boyazoglu (Greece/South Africa), C. Devendra (Malaysia), Christian Gall (Germany), George F. W. Haenlein (USA), Peter Holst (Australia), Pierre Morand-Fehr (France), Maurice Shelton (USA) and Clair E. Terrill (USA). In 2018, we mourned the death of Jean Boyazoglu, and then in 2019, we mourned the passing of Christian Gall.

[Find more information about Dr. Devendra on the IGA website.](#)

Announcement: Two New CRs and One New RD

The IGA Board of Directors is pleased to announce three wonderful new additions to our growing team. They have each demonstrated their commitment to IGA and knowledge of the goat sector.

These recently elected Country Representatives are:

María Eva Muñoz Mejías - Spain
Jonathan Chirisa - Zimbabwe

The newly elected Regional Director is: Juan Boo Liang - Southeast Asia

Learn more about all
of our wonderful

[Country Representatives](#)

and

[Regional Directors](#)

Prácticas tradicionales de las comunidades indígenas Wayúu en ganadería ovinocaprina

La Guajira es el departamento con mayor población ovinocaprina de Colombia, los animales han permanecido desde la época de la conquista en poder de las comunidades indígenas Wayúu, asentadas en la media y alta Guajira.

Los sistemas de producción, la crianza y manejo de estos animales se

adaptan a el ecosistema en el que viven y a la cultura de la etnia Wayúu, siendo para los occidentales una alternativa que ayuda a preservar de manera eficiente los recursos naturales. El Ministerio de Agricultura y Desarrollo Rural de Colombia y Agrosavia, investigan sobre la medicina tradicional y la proyección de estos sistemas a mercados internacionales.



Un agradecimiento especial a Clara Viviana Rúa Bustamante (IGA-CR, Colombia) por esta información.

El paisaje cultural: un estudio oral a través del testimonio del Volquetero Mauro Carrillo

Resumen

Este artículo se planteó para ofrecer una descripción de los parámetros técnico económicos dados en las producciones caprinas extensivas doble propósito en la región del Chicamocha Medio. La metodología fue descriptiva con variables cuantitativas y muestreo por conveniencia, la información se recopiló por

observación y encuestas semiestructuradas de aplicación directa, y luego mediante la técnica de paneles de productores se validó.

El desconocimiento de estos parámetros limita la eficacia en la toma de decisiones de los productores, incidiendo directamente en el desarrollo de la cadena, evidenciándose en

las falencias existentes en la gestión administrativa y de mercados.

[LEE MAS...](#)

Un agradecimiento especial a Clara Viviana Rúa Bustamante (IGA-CR, Colombia) por esta información.

The Cultural Landscape: An Oral Study Through the Testimony of Volcano Mauro Carrillo

Abstract

This article was raised to provide a description of the technical and economic parameters given in the extensive dual purpose goat production in the region of the Chicamocha Medio. The methodology was descriptive with quantitative variables and convenience sampling, the information was collected by observation and semi-structured surveys of direct application, and then it was validated through the producer panel technique.

The ignorance of these parameters limits the efficacy in the decision-making of the producers, directly affecting the development of the chain, evidencing in the existing shortcomings in the administrative and market management.

[READ MORE...](#)

Special thanks to Clara Viviana Rúa Bustamante (IGA-CR, Colombia) for this information.

EL PAISAJE CULTURAL: UN ESTUDIO ORAL A TRAVÉS DEL TESTIMONIO DEL VOLQUETERO MAURO CARRILLO
THE CULTURAL LANDSCAPE: AN ORAL STUDY THROUGH THE TESTIMONY OF VOLCANO MAURO CARRILLO



SISTEMA DE PRODUCCIÓN CAPRINO EXTENSIVO DOBLE PROPÓSITO EN EL MUNICIPIO DE CAPITANEJO, SANTANDER.

EXTENSIVE DUAL PURPOSE GOAT PRODUCTION SYSTEM IN THE MUNICIPALITY OF CAPITANEJO, SANTANDER.

Laura Yolina Mesa Forero,
David Eduardo Jory Cárdenas,
Katherine Andrea Mesa Mesa

Centro Agroempresarial y Turístico de los Andes
Fecha de recepción del artículo: 15 de Noviembre de 2018

Sistema extenso de producción de cabra de doble propósito en el municipio de Capitanejo, Santander

Resumen

El Chicamocha Medio es una ecorregión donde la caprinocultura se considera una actividad económica importante para las familias campesinas,

por ello se propuso identificar las prácticas de manejo del ganado caprino para generar información específica que sea útil para las instituciones en diferentes escenarios. Se tomó una muestra no probabilística a 33 unidades productivas caprinas de nueve municipios de esta región. El diagnóstico se realizó mediante una encuesta semiestructurada sobre como: 1. tipificación de predios, 2. acompañamiento técnico, 3. inventario de semovientes, 4. instalaciones para caprinos, 5. fin productivo, 6. manejo del rebaño, 7. Plan sanitario, 8. tipo de sistema productivo y alimentación y 9. Bioseguridad. Se estableció que la caprinocultura se desarrolla en minifundios con un inventario promedio de 59 cabezas, con in-

fraestructura adaptada y baja inclusión tecnológica.

El fin productivo predominante es la carne, su manejo es tradicional en sistema semi confinado y el principal problema sanitario referido es el parasitismo gastrointestinal. Se concluye que el manejo del rebaño es tradicional con baja inclusión tecnológica, los problemas sanitarios son de origen infeccioso y las soluciones ofrecidas a este renglón productivo son muy incipientes.

[LEE MAS...](#)

Un agradecimiento especial a Clara Viviana Rúa Bustamante por esta información.

SISTEMA DE PRODUCCIÓN CAPRINO EXTENSIVO DOBLE
PROPÓSITO EN EL MUNICIPIO DE CAPITANEJO, SANTANDER
EXTENSIVE DUAL PURPOSE GOAT PRODUCTION SYSTEM
IN THE MUNICIPALITY OF CAPITANEJO, SANTANDER



**CARACTERIZACIÓN DE MANEJO DEL REBAÑO CAPRINO
EN EL CHICAMOCHE MEDIO COLOMBIANO**
**CHARACTERIZATION OF GOAT FLOCK MANAGEMENT
IN COLOMBIAN CHICAMOCHE MEDIO**

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Santander.

Extensive Dual Purpose Goat Production System in the Municipality of Capitanejo, Santander

Abstract

The Chicamocha Medio is an ecoregion where the goat culture is considered an important economic activity for the peasant families. Therefore, it was proposed to identify goat management practices to generate specific information that is useful for institutions in different scenarios. A non-probabilistic sample was taken from 33 goat production units from nine municipalities of this region. The diagnosis was made through a

semi-structured survey on: 1. plots classification, 2. technical support, 3. livestock inventory, 4. goat facilities, 5. productive aim, 6. herd management, 7. sanitary plan, 8. type of productive system and food and 9. biosafety. It was established that the goat culture is developed in small-holdings with an average inventory of 59 heads, with adapted infrastructure and low technological inclusion. The predominant productive purpose is meat, its management is traditional in a semi-confined system and the

main health problem referred to is gastrointestinal parasitism. It is concluded that the management of the flock is traditional with low technological inclusion, the sanitary problems are of infectious origin and the solutions offered to this productive line are very incipient.

[READ MORE...](#)

Special thanks to Clara Viviana Rúa Bustamante (IGA-CR, Colombia) for this information.

IGA joins the SMARTER Stakeholder Committee

IGA is pleased to join the SMARTER Stakeholder Committee, to provide insight and feedback from the new "Small Ruminant Breeding for Efficiency and Resilience." It is a new European and international initiative funded by the EU that will use genomic selection across countries. It will make selection for traits conferring efficiency and resilience both faster and more efficient. SMARTER will also characterize the phenotype

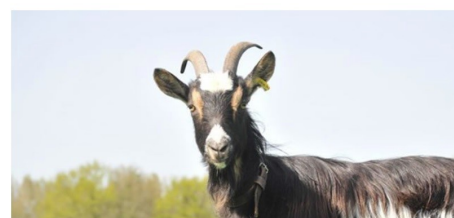
and genome of traditional and underutilized breeds. Finally, SMARTER will propose new breeding strategies that utilize these traits and trade-offs and balance economic, social and environmental challenges.

Please visit the SMARTER website, and sign up for the free newsletter:
<https://www.smarterproject.eu/>
Beth A. Miller, DVM
President, IGA



SMALL Ruminants breeding
for Efficiency and Resilience

HOME PROJECT CONSORTIUM DISSEMINATION STAKEHOLDERS GALLERY



Fossés Goats at pasture in Brittany - copyright CAPGENES

Survivability of Escherichia Coli in Commercial Powder Goat Milk during Four Months Storage at Two Different Temperatures

Abstract

Bacteria in low moisture environments are not favorable for growth, but can survive and cause a possible food safety risk for consumers. A study was conducted to evaluate survivability of Escherichia coli and storage stability of commercial powdered goat milk (PGM) products. Three batches of whole milk PGM samples were purchased at a local outlet, and divided into two halves to assign non-inoculated control and E. coli inoculated groups, then stored at 4 and 22°

C for 0, 2, and 4 months. Results showed that significant reduction ($P < 0.05$) in E. coli counts occurred at 22°C treatment group by more than 2 log CFU/g at 2 months storage, then further decreased by an additional 0.37 log CFU/g at 4 months storage. The survival of E. coli was significantly higher at 4°C, suggesting that E. coli could survive better at 4°C by extending a longer latent period than at higher temperature (22°C) under the low water activity condition. E. coli counts had negative correlations

with water activity at both temperature treatments for all three storage periods except for 0 and 2 months at 22°C, indicating that the survivability of the E. coli would decrease in powdered whole goat milk for 4 months of storage because of decrease in water activity. It was concluded that Escherichia coli survival and storage stability of the commercial PGM products were significantly ($P < 0.05$) affected by storage temperature and time.

[READ MORE...](#)

Here's what is ailing dairy goat farming

"At the recently held Animal Production Society of Kenya's Scientific conference in Nakuru, there was a meeting of farmers who are members of the Dairy Goat Association of Kenya (DGAK), along with researchers and experts in animal production. They

observed that shrinking land sizes and increased urbanisation are some of the things that are taking a toll on goat farming."

[READ MORE...](#)



IGA Website Updates, May 2019

We are constantly updating the IGA website with the best and newest information, but did you know that we also add important documents from throughout IGA's history.

We have proceedings and abstracts from many past IGA conferences. Here are some you will find:

International Conferences

Abstracts - 12th ICG, Antalya, Turkey, 2016

Abstracts - 10th ICG, Recife, Canary Islands, 2012

Abstracts - 9th ICG, Queretaro, Mexico, 2008

Papers - 8th ICG, Pretoria, South Africa, 2004

Regional Conferences

Abstracts - Tromsø, Norway, June

2013

Proceedings - Bella, Italy, May 2007
Papers, Session Posters, and Poster Summaries - Fuerteventura, Canary Islands, April 2003

We hope that this information will be useful and that it encourages you to spend some time visiting the [IGA website](#).

