

Special Points of Interest:

- Report on ARCG-2018
- Report on Japan Goat Summit

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IGA Japan

Hello, goat lovers throughout the world!

I was appointed Country Representative (CR) of the International Goat Association for Japan in May 2018. Goat raising has become fashionable in recent years in my country, although the population of goats is only around 20,000. Goat keepers raise goats not only for dairy and meat purposes but also for weeding, education, companion animals, etc. Nonetheless, goat raising in Japan is facing some issues.



One of these issues is to establish a feeding standard for goats raised in Japan. As Japanese standards for nutrient requirements of goats do not exist at present, goat keepers have been using the nutrient requirement tables published by the National Research Council (NRC) for feeding goats. The NRC requirements, however, sometimes do not seem to fit Japanese goat conditions. The Japan Goat Network, the only national organization for goat lovers in Japan, has initiated collecting references and is in the process of creating a temporary feeding standard. Complete feeding standards will be established for goats in Japan in the near future.

Another issue is a shortage of abattoirs which accept processing goats in Japan. Although the population of goats had decreased since 1957 to a recorded number of approximately 14,000 goats in 2010, the population is trending upward due to the increased popularity of goats during the last few years. People keep goats for dairy production, weeding, and restoration of abandoned cultivated land, emotional education in school, companion animals, etc. Conversely, the effective use of male and non-productive goats as meat should be considered. Goat production for meat consumption is popular in Okinawa, located in the southern inlands area of Japan. The distribution of goat meat in the Japanese mainland, however, is still minor. Many research studies have shown the advantages of goat meat compared to other livestock meat. Thus, meat goat production and goat meat consumption still have possibilities to be developed in the country. Nevertheless, the locations of abattoirs for goats are limited in the Japanese mainland. Negotiations with concerned organizations should be conducted to increase the places for processing goats in the country.

For tackling and solving these issues, information and advice from colleagues all over the world are necessary. The strong relationship with IGA is important for our activities relating to goats in Japan. I look forward to keeping good relationships and communicating with IGA members. Thank you in advance for your kind consideration and cooperation for developing goat production in Japan.

Best regards,
Yoshiaki Hayashi, Ph.D.
IGA Country Representative for Japan

REPORT: Asian Regional Conference on Goats (ARCG-2018)

The Asian Regional Conference on Goats (ARCG2018) was held at Amity University, Rajasthan, Jaipur, India on Oct. 22-26, 2018. The theme entitled

"Current Challenges in Goat Industry and the Strategies to Combat in Asia Region." A total of 287 researchers, professors, and producers from 14 countries including, Canada, China, Ecuador, France, Hungary, Japan, Mongolia, Spain, and the USA attended the meeting. The scientific program included keynote addresses, expert talks, oral and poster presentations, and brainstorming and valedictory sessions. The participants enjoyed a

warm traditional welcome during the technical tour at the Central Sheep and Wool Research Institute which produces and conducts research on pure Sirohi goats, varieties of sheep and rabbit breeds, veterinary medical plants, and so on.

Amity University Rajasthan is a government recognized private university and was established in 2008. It is located 40 km away from the city center of Jaipur with a huge campus area where you may see neem forest, wild blue bulls, squirrels, and other wild animals. The conference hotel was in the International Center for Environment Audit and Sustainable Development (ICED) area where located about 1 km from the Conference Center. The guests enjoyed the wide rooms and breakfast daily. Some of the guests observed grazing goats and cattle led by local people near the hotel during the day. Because of the distances and heat during the day, vehicles were essential from the accommodation to the Conference Center or city center. The organizing committee members were kept busy

accommodating all the transportation requests from the guests.

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Abstracts of scientific programs and poster presentation consisted of 57 Goat Health Management & Welfare, 23 Nutrition Management and Alternative Feeding Systems, 37 Breeding and Genetics, 16 Production Systems and Climate Change in Asia, 38 Innovation in Reproductive Technology, 20 Socio-Economic, Marketing, and Financial Issues in Asia, and 13 Goat Products. In India, there are 20 registered local goat breeds of meat, milk, hair, and multi-purposes according to the diverse geographic and climate conditions. Health management is one of the biggest concern and interest. Vaccination programs of PPR, goat pox, FMD, enterotoxaemia, hemorrhagic septicemia as well as anthrax and black quarter were encouraged. Other diseases including blue tang and Johne's diseases also commonly occur. Currently, among these diseases, the most important problem and the biggest challenge is PPR in India.

The IGA Board Meeting was held on October 23rd, the evening of the second day of the conference. Dr. Beth Miller (the president of IGA), five members from the Board of Directors, and two Country Representatives (CRs) from China (Northwest & Inner Mongolia) and Japan were present, while the Executive Director and other Board members attended via Skype. The nominated CR from India, Dr. Mamta Dhawan, was officially approved at the beginning of the meeting, and she also attended. The progress of ICG2020 was announced, and each committee reported their recent activities. There were discussions on new membership categories for individual members and new benefits for Institutional membership. Amity University also proposed a project collaborating with the IGA to enhance extension programs in India. IGA was encouraged by this proposal and in this regard, announced a memorandum of interest. The Board felt that further discussion was necessary to finalize certain details of this proposal and agreed to meet again soon.



There were also entertainment programs, such as gala dinner, networking teas, and a cultural evening. It was very nice to meet and get to know some of the professors and students. Some of the students impressed us with their enthusiasm, interest, knowledge, and dancing skills.

Although there were some miscommunications and disorganized situations, the organizing committee gave their full effort with respects to the Conference and tried their best to accommodate all the requests, conditions, nonstop-speakers, and no-shows. All the attendees were certainly grateful and pleased with the Conference. With this newly created friendship, we look forward to the improvement of goat production in India in the future.

Written by Yoko Tsukahara, IGA board member

REPORT: International Asian-Australasian Conference on Dairy Goat Production



The 4th International Asian-Australasian Conference on Dairy Goat Production was held from October 17 to 19 at Tra Vinh University in Vietnam under the theme of "Strengthening Development of Dairy Goat Production, Adapting to Climate Change". More than two hundred researchers from nineteen countries gathered at the conference. In addition to the Plenary Presentations and Country Report Presentations, there were nearly fifty presentations in the research fields of Genetics and Reproduction, Nutrition, Feed and Feeding, Milk and Milk Products, Management, Greenhouse Gas Mitigation and Health.

Six members of the Japan Goat Network participated in the conference and Professor S. Kobayashi of Nihon University, who is responsible for the international affairs of the Japan Goat Network, and Associate Professor Y. Hayashi of Meijo University, jointly presented a paper about the present situation of goat farming and current research topics relative to goats in Japan. The following three topics were also presented by Japanese participants: "Effects of spineless cactus silage feeding on milk production and blood metabolites in dairy goats" by Dr. Y. Hayashi; "Case survey of goat management in Japan" by Ms. S. Ishii of Nihon University; and "The characteristics of spineless cactus silage mixed with wheat bran (OS) and effects of OS feeding on milk production in dairy goats" by Mr. M. Nishizawa of Meijo University. Dr. Hayashi and Ms. Ishii were awarded Outstanding Presentation Awards.



On the last day of the conference, the participants went on an excursion to a dairy goat farm. During the conference, the Scientific Committee in which Professor Kobayashi and Dr. Hayashi are members, decided that the next conference would be held in Bangkok in August 2020.

*Written by Professor
Shinichi Kobayashi,
IGA member*



REPORT: The 20th Japan Goat Summit in Ibaraki

The 20th Japan Goat Summit (JGS) was held on October 13-14, 2018 in Mito city, Ibaraki prefecture. The JGS is the annual meeting of the Japan Goat Network (JGN). In 1998, a few researchers started the JGS to promote Japanese goat production in Miyazaki and the following year of 1999 the JGN was established. Since then, the JGS is a great opportunity for producers, breeders, educators, researchers, consumers, and goat lovers from the whole country to talk about goat management, disease control, livestock use, educational effect as a school animal, weeding effect by grazing, and etc. This annual meeting was the 20th anniversary celebration and held at the auditorium of the Ibaraki University Mito Campus with the theme of "Talk about goats in Ibaraki!" The program included keynote speeches, the JGN General Meeting, general presentations, case studies, and poster presentations on the first day. On the second day, the venue was moved to the Mito City Forest Park, where various technical hands-on training sessions were carried out.

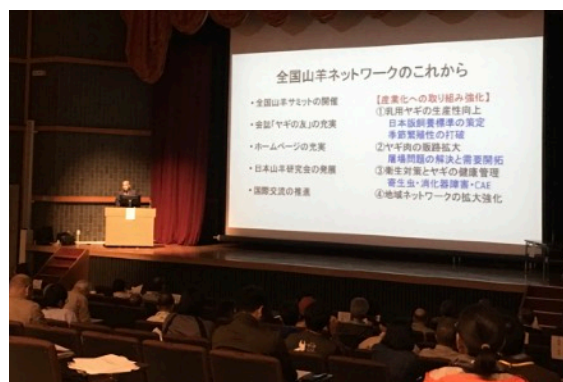


1. Keynote Speech

Dr. Hiroshi Saito, a former Japan International Cooperation Agency Expert and Senior Researcher at Nihon University, made a speech entitled "International Cooperation and Development Plans Utilizing Goats," which was about the importance of goats in international development programs based on his professional experience of international cooperation for more than 40 years. He introduced goat programs and enhanced the possibility of goat production as a major force to eradicate the world's poverty.

2. 20th Anniversary Memorial Talk

Mr. Akio Imai, former president of the JGN, gave a talk entitled "History of the 20 Years of the Japan Goat Network and its Future," introducing that the JGN that was established by interested researchers in 1999 and spread all over the country, with about 560 individual members and 20 institutional members at present. One of the big achievements of the JGN was that the change of the specification of the sterilized goat milk in "Ministerial Ordinance Concerning Compositional Standards, etc. for Milk and Milk Products" in 2014. Goat milk from Japanese Saanen breed had difficulty to achieve former specification standard (milk fat content of 3.6% and MSNF of 8.0%) during the summer. Therefore, many producers were not able to sell their products without processing. After the effort of JGN, the Ordinance relaxed them to more than 2.5% of milk fat and more than 7.5 % of MSNF. He also appealed the importance of establishing regional network units and efforts to industrialize goat production in Japan.



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3. General Presentation



The general presentation in the afternoon consisted of three parts. The first part was topics on "Talking about Goats in Ibaraki," where Dr. Takeshi Yasue, the Organizing Committee Chair and Professor of Faculty of Agriculture, Ibaraki University, reported the current situation of agriculture and goat production in Ibaraki prefecture. Other presentations included the first governmental goat cheese factory in Mito City, an introduction of goats to a community garden

by Tsukuba University, attempts to conserve the country hills with goats by a local hotel, and raising goats in an elementary school in Ibaraki. In the second part was on "Feeding Management and Goat Health." Here, there were three topics including "Effects of Trypsin Treatments on Antibacterial Activity in Milk from Japanese Saanen Goats in Early and Late Lactation" by researchers from the Nagano Station, National Livestock Breeding Center, "Breeding Target in Japanese Saanen Goats" by the Ministry of Agriculture, Forestry and Fisheries, and "Proper Use of the FAMACHA System to Control Blood Sucking Parasites" by Yoko Tsukahara, Board Member of IGA. Topics in part three were case studies such as goat rearing in a kindergarten for early childhood education and offspring between a goat and sheep. There were also poster presentations, sales of goat milk cheese, books, goat hand-crafts, exhibits of electric fences and cheese processing equipment at the venue.

4. Technical Workshop & Hands-on Practice

On the second day, four hands-on training sessions were held at locations in the Mito City Forest Park. Workshops were on "Goat Management for Beginners," "Cheese Making," "Artificial Insemination and Kidding Management," and "Parasite Control Using FAMACHA System. In each session, the participants showed great enthusiasms asking questions and taking notes.



A total of 368 people from all over the country, from Hokkaido to Okinawa, participated in this successful event. During the General Meeting, it was approved for JGN to join the IGA as an Institutional Member. Growing membership in JGN was also informed. The venue of the JGS in 2019 has not announced yet however, these annual meetings are expected to continue and grow more and more in the future.

Reported by Yoko Tsukahara

International Symposium for Sustainable Development in Asia

The United Graduate School of Agricultural Science (UGSAS), Gifu University held the International Symposium on Animal Production and Conservation for Sustainable Development 2018 on October 17-18, 2018 at UGSAS Bldg., Gifu University. In this annual symposium, a total of 112 participants were from 11 countries including Japan, Bangladesh, China, Indonesia, Laos, Myanmar, Philippines, the United States, and Viet Nam. The Symposium Committee recognized the importance of goat production in Asia and invited Yoko Tsukahara, the Board Member of IGA to provide the speech entitled "Genetic Improvement in Goats for Sustainable Production." Other keynote speeches were "Animal Welfare and Behavior" by Dr. Shigeru Ninomiya, Associate Professor, Gifu University, Japan, "Maternal Antibody Transfer into Eggs and New-Born Chicks in Chicken and Quail" by Dr. Atsushi Murai, Associate Professor, Nagoya University, Japan, and "Restoration and Utilization of Abandoned Fields through Goat Grazing" by Dr. Masato Yayota, Professor, Gifu University, Japan.



There were also many interesting presentations regarding "Transgenic Technology," "Novel Reproductive Research," "Primates Studies," and others. Many participants and presenters were former graduate students of the UGSAS and they have been active researchers in agricultural industries in their home countries. Current UGSAS students also attended and presented their research works at the Symposium.

Thanks to the committee members, the atmosphere of the Symposium was exciting and participants and audience enjoyed to learn research areas in different countries.

Written by Yoko Tsukahara



岐阜大学大学院連合農学研究科では、毎年アジア地域の連携12大学と国際シンポジウムを開催しています。今年は「持続可能な発展のための動物生産と保存」と題して10月17-18日に開催され、11カ国から112名の参加者がアジア農業の現在と未来について語り合いました。遺伝子改変動物や鳥類の生殖機能の解析についてなど先進畜産研究の話題とともに、アジアで重要な家畜であるヤギについても「ヤギの遺伝改良」と「ヤギ放牧による耕作放棄地の再生と利用」というタイトルで2題の基調講演がありました。

New Country Representatives 新しいIGA国代表

Country Representative for Japan

Yoshi is an Associate Professor in the Faculty of Agriculture at Meijo University. He is the Country Coordinator for the Asian Australasian Dairy Goat Network and the current Secretariat for the Japan Goat Network. Yoshi is also a member of the International Advisory Committee for the Conference on Sustainable Animal Agriculture for Developing Countries.

日本代表

今年5月からIGAの日本代表に就任した名城大学の林義明准教授は、全国山羊ネットワークの事務局長とアジア大洋州乳用ヤギネットワークの調整役も兼任しています。さらに林先生は「開発途上国の持続可能な畜産会議の国際諮問委員会」のメンバーも務められています。



Country Representative for India

Mamta is a veterinarian with over 20 years of varied experience ranging from international organizations like GALVmed, South Asia Pro-Poor Livestock Policy Programme (FAO and National Dairy Development Board of India joint programme), Animal Husbandry Department of Rajasthan, and various animal welfare organizations.

インド代表

今年10月にIGAのインド代表に就任されたマムタ・ダワン女史は、過去20年間以上に渡り、GALVmed、南アジア貧困家畜政策プログラムなどの国際機関や、ラージャスターン州家畜管理課、さらに様々な動物福祉関連機関団体での経験を有する獣医師です。



新しい駆虫薬が登場

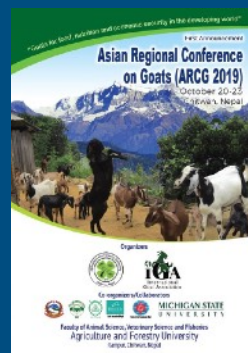
新しいタイプの駆虫薬「STARTECT」がオーストラリアで発売されました。この駆虫薬の主成分であるデルクアンテルは、神経伝達信号を阻害するため、線虫は弛緩性の麻痺を引き起こして体外に排出されます。もう一つの主成分であるアバメクチンは、アイボメックに代表されるアベルメクチン系の化合物で、広い薬効範囲を持ちます。STARTECTはこの2つの駆虫効果を組み合わせることにより、寄生虫の駆虫薬耐性を遅延させることができると期待されています。



お知らせ

1. Asian Regional Conference on Goats 2019

ARCG (アジア地域ヤギ会議) が、ネパールで2019年10月20-23日の予定で開催されます。ネパールでは、農村部だけでなく都市部に住む若者たちの間でヤギ飼育が人気となっていて、国内のヤギ肉消費量は全体の20.4%と、バッファロー肉 (54.3%) に次いで一般的に食されています。本大会ではチトワンの農林大学 (AFU) が中心となり「発展途上国における食料、栄養および経済的安定のためのヤギ」のテーマで、アジアのヤギ生産を討論します。



2. 第11回中南米小型反芻家畜および南米ラクダ科研究会議 (ALEPRyCS) 2019年6月4-7日

ケレタロ自治大学で開催される第11回ALEPRyCSでは、第1回ラテンアメリカ地域ヤギ会議、第30回メキシコヤギ専門家協会ヤギ文化全国大会、メキシコ獣医師協会などが同時開催されます。詳しくはウェブサイト<<https://alepryys.wixsite.com/alepryys>>またはFacebookページ<<https://www.facebook.com/Alepryys/>> をご覧下さい。

3. カナダオンタリオのゲルフ大学では、オンタリオ小反芻家畜獣医師会議が2019年6月17-19日に開催されます。詳しくはウェブサイト<<http://srvo.ca/srvo-conference>>でご確認ください。

新書紹介

オープンアクセス「Goat Science」(編集 Sándor Kukovics、ハンガリー・ジェール・セーチェニ・イシュトヴァーン大学) が出版されました。本書は、遺伝育種、栄養、生産システム、繁殖、乳・肉生産、疾病および寄生虫、ヤギ製品が人間の健康に及ぼす影響など、ヤギにまつわる様々な話題がまとめられています。

【第1章 ヤギにおける分子遺伝学とゲノム生物学】 【第2章 南アフリカにおけるヤギの発達と遺伝改良】 【第3章 反芻家畜における消化物の通過速度】 【第4章 ヤギにおけるヨウ素欠乏】 【第5章 ヤギの繁殖】 【第6章 雄ヤギホルモンINSL3における最近の研究の進歩】 【第7章 ヤギにおける発情同期化と人工授精】 【第8章 ヤギ乳のプロテオーム分析】 【第9章 In Vitro ヤギ乳腺モデルの開発】 【第10章 ヤギ製品の栄養と健康プロファイル】 【第11章 ヤギ乳とチーズに含まれる生理活性化合物】 【第12章 ヤギの枝肉特性と肉質】 【第13章 ヤギにおける寄生虫】 【第14章 既存の治療を強化するための高希釈補完医療】 【第15章 ヤギにおける暑熱ストレスの反応】 【第16章 ヤギ生産システム】 【第17章 ヨルダンにおけるヤギ生産と育種】 【第18章 レバノンにおけるヤギ乳生産】



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About the IGA Japan

IGA 日本支部ニュースレターについて

国際ヤギ協会（IGA）日本支部は、IGAの活動を振興するとともに、海外のヤギ情報を日本へ、日本のヤギ情報を海外へ発信することを趣旨として、全国山羊ネットワークおよびその研究部会である日本山羊研究会と連携してニュースレターを発行し、IGAのウェブサイトへ掲載しています。また、日本の全国山羊ネットワーク会報「ヤギの友」を通じて、世界のIGA情報をお届けしたいと願っています。そのためこのニュースレターでは日本語と英語が混在しています。なお、IGA 日本支部では、皆さんからのご質問やご意見、海外へ発信したい情報などを随時受け付けていますので、igajapanocr@gmail.comへご連絡ください。

IGA日本支部

IGA Japan and its Newsletter

The IGA Japan promotes activities of International Goat Association and the Japan Goat Network (JGN) with exchanging information from around the World and Japan utilizing both English and Japanese articles. The information provided here includes articles on the newsletters of IGA and announcements of the JGN and the Japanese Society of Goat Science. You can find this newsletter in the IGA Japanese site at <<https://www.iga-goatworld.com/iga-in-japanese.html>>. IGA Japan also welcomes your comments, suggestions, and questions at igajapanocr@gmail.com.

The only global organization on goats and small livestock

IGA 入会のご案内

国際ヤギ協会（IGA）では、皆様の入会を随時受け付けています。IGA のホームページ <http://www.iga-goatworld.com/> から入会申込書（Membership Application）をダウンロードし、郵送、Faxまたはメールでお申し込みください。年会費は、学術誌Small Ruminant Research の印刷版希望の個人会員 \$150.00、オンラインジャーナル希望の個人会員\$50.00、学生会員\$32.50、オンラインジャーナル不要の学生会員\$10.00、定年退職者（60歳以上）の永久会員\$200.00です。会費は支払い完了日から1年間有効です。支払い方法は、クレジットカード（ビザ、マスターカード、ディスカバー）、小切手、電子送金、Paypalを受け付けています。会員特典としてIGA日本支部ニュースレターを含むIGAウェブサイト（すべて英語）を閲覧することができます。詳細はIGAのホームページ<www.iga-goatworld.com>をご覧ください。

IGA本部

International Goat Association
12709 Grassy Dr. Little Rock, Arkansas 72210
<http://www.iga-goatworld.com/>
Email: admin@iga-goatworld.com
Tel&Fax: +1 - 501 - 251 - 9391

