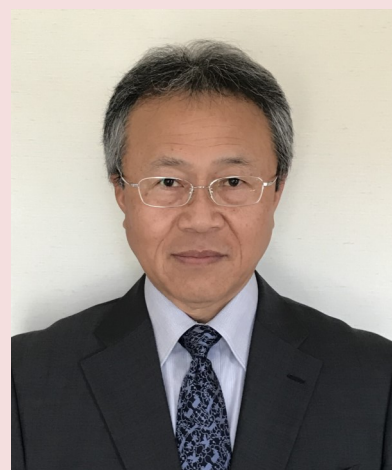




Greetings from New Chairman of the Japanese Society of Goat Science

The 21st Japanese Society of Goat Science (JSGS) Meeting on Goat Production and Management was about to be canceled due to the influence of the COVID-19 pandemic; however, thanks to the passion and dedication of organizers to make it happen, this annual meeting was held as a web-based meeting on March 25, 2020. All the changes from ordinal face to face meetings to virtual meetings had to happen very quickly. We would like to thank all the members who participated.

At present, Japanese agricultural policy and social situations are facing major changes. There is an emerging sense of crisis in the direction that has been pursued only for efficiency. Instead, maintaining and revitalizing forgotten mountainous areas have become a major issue. Moreover, the desire for agricultural education and healing people in urban areas has been also increased. Consequently, the use of goats is once again receiving attention.



Under these circumstances, the Japan Goat Network has established a working group to discuss the ideal way of the JSGS. Rather than being just a research group that conducts 'research for research,' we would like to hear the direct voices from producers, consumers, distributors, etc. for their needs. We want to reflect these in research issues, and focus more on solving the problems and satisfying the needs. We are exploring and considering our way where many members can participate.

At the 2019 Japan Goat Summit in Yamanashi, the JSGS held three roundtables entitled "Goat Feeding Management," "Goat Product Utilization," and "Goat Regional Promotion/Educational Utilization," where we had an exact opportunity to hear the direct needs from all the attendance. We listened to many voices that eager to know science-based knowledge on breeding and management rather than experiences- and intuition-based knowledge.

Besides, the JSGS did not publish the research journal in the past, but now, to ensure that the research findings and information are in your hands, we are working to publish the academic Journal of JSGS¹. The JSGS journal will have the role of 'academic journal' that presenting research and practical findings from members, as well as the role of 'goat magazine' that obtaining and providing useful information. We are inviting research reports and information from various fields.

-see more on page 3



ICG2021
13th INTERNATIONAL
CONFERENCE
ON GOATS

EGER | HUNGARY
3-8 OCTOBER,
2021

IMPORTANT

第13回ヤギ国際会議は、2021年10月3-8日に延期になりました

(ICG2020ウェブサイト: <https://www.icg2020.org/>)

第13回ICG(ハンガリー、エゲル)は2020年9月に開催の予定でしたが、3月現在のCOVID-19の世界的蔓延により、たとえ数か月先であっても大規模な集まりの計画は大きな危険を伴うと判断しました。IGA理事会は、感染症の危険性と拡散防止の必要性を十分認識し、参加者を不必要な危険にさらすことのないよう、この会議を延期することに決定しました。

COVID-19パンデミックを受け、IGAファミリー皆様の健康と安全を真摯に願います。世界中の感染した方々、日常生活に被害を受けた方々に心よりお見舞いを申し上げるとともに、感染拡大防止に取り組む専門家、家族、友人を応援しています。私たちはできる限り専門的にそして個人的にお互いをサポートする必要があります。そして、この悲劇をこれ以上広げないために、科学が公共政策に情報を提供する未来を期待しています。私たち、私たちの家族および同僚がこの現状に耐えることを祈念し、来年ハンガリーでお会いしましょう。

Stay home. Stay safe. Save lives.

*日程変更に伴い、講演要旨の締切は2021年4月1日へ、参加申し込み期限(早期割引)は2021年5月31日に変更になりました。詳しくは上記のウェブサイトをご参照ください。

2nd Asian Regional Conference on Goats (ARCG2019)への参加について



2019年10月20日から23日にかけて、ネパール、チトワンのネパール農林大学獣医学部動物科学部で第2回アジア地域ヤギ会議(ARCG 2019)が開催されました。2018年にインド、ジャイプールで開催されたアジア地域ヤギ会議に続くものとなり、「発展途上国における食料、栄養、経済安全保障のためのヤギ」をテーマに、世界中のヤギ研究開発分野で生み出された知識と技術を共有するため、研究者や開発団体等が一堂に会しました。

日本からは名城大学農学部林義明氏が参加し、「Different profiles of goat and cattle manure derived from the same feeding condition (Yoshiaki Hayashi and Haruyuki Sangawa) (同様の飼料給与によるヤギとウシの排泄物由来堆肥の相違)」のタイトルで口頭発表を行い、参加者と意見交換を行いました。また、同会議開催中にはIGAの理事会が開催され、日本からはWeb上において塚原洋子理事が参加、林氏はオブザーバーとして参加しました。

名城大学農学研究科 准教授 林 義明



- continued from page 1

The JSGS, which is under the umbrella of the Japan Goat Network, is a wheel that turns the Network together with the Japan Goat Summit and is an organization that promotes your opinions forward as fuel.

I hope that the JSGS will contribute to the happiness of human beings by collaborating not limiting in Japan but also internationally with the keyword of GOATS.

We appreciate your continuous support.

Shogo Shinde²

Chairman, Japan Society of Goat Science

¹Research journal of JSGS will be published in FY2019, which focused on presentations at the JSGS. In the future, it is expected to become a research journal that gives you scientific answers to the problems encountered by producers and goat raisers as a source of not only research articles and case studies but also useful information related to goats.

²Dr. Shogo Shinde, Head of the Livestock Production Technology Research Division, Hiroshima Prefectural Institute of Technology, serves also as the vice president of the Japan Goat Network. He was selected as the chair of the JSGS in early 2020.

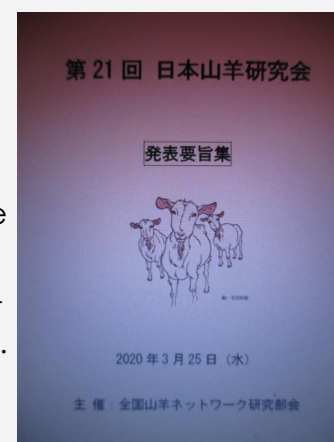
The 21st Meeting of the Japan Society of Goat Science

The 21st Annual Meeting of the JSGS, the Research Committee of the Japan Goat Network was held on March 25, 2020. This meeting was originally scheduled to be held at Kyoto University but was held virtually due to the widespread of COVID-19. The meeting started with greetings by the former chairman Dr. Naoshige Abe and the new chairman Dr. Shogo Shinde, followed by 9 presentations and case studies with 32 participants. A report of Panel Discussion of the 21st Japan Goat Summit Subcommittee, 2019 was made at the end of the meeting.

The presentations/case studies were extraordinary wide areas and contents included goat management techniques by nomadic people, seasonal variation of the nutrient composition of wild grass in abandoned cultivated land, synchronization technique of Shiba goat, change in Nepal ethnic minority community due to goat market entry, osteoarthritis treatment cases, the possibility of goat treatment at small animal hospitals,

causes and symptoms of goat rumen acidosis and treatment methods, examples of goat feeding and cheese production, consultation cases regarding goat raising, etc. With various questions from researchers, goat raisers, and technicians for each presentation via verbal and text chat, a lively exchange of opinions was made.

In the Subcommittee Report, the contents of the Subcommittee Panel Discussion were presented by each Subcommittee Chair. We also discussed how the JSGS should address the issues raised. Proposals made at this meeting were to collect case studies on goat feeding in local communities as well as educational institutions, to collect and intro-



-see more on page 6

The Commission Implementing Regulation (EU) 2019/366, released on March 5, 2019, allows the exportation of Japanese milk and milk products to the European nations. The news made Japanese cheese producers excited and their quality cheeses were submitted to the 2019 World Cheese Awards in Bergamo, Italy. Here is a report from Ms. Malory Lane, director of Japan Cheese Co.

Success at World Cheese Awards 2019 in Bergamo, Italy

It was a last minute notification from the European Union through Japan's Ministry of Agriculture, Forestry and Fisheries - Japanese cheese had been given the green light to enter the European Union legally. The door had been opened and it was time to join the world stage.

With only a couple weeks before the submission deadline for the annual World Cheese Awards held in Bergamo, Italy, the Japanese cheese world made a mad dash to submit the best cheeses of Japan.

The Cheese Professional Association, amongst others, worked long hours to prepare the documentation for 18 cheesemakers and 30 cheeses (including 4 goat cheeses) to enter the E.U. for the World Cheese Awards. It was a feat of passion and immense cooperation across numerous timezones. Japanese cheese had never been (legally) shipped to Europe before - would it make it?

On October 18, 2019, the judging began at the 32nd annual World Cheese Awards with all cheeses accounted for. It was only the beginning of the excitement in a day filled with joy as we realized that one Japanese cheesemaker made it into the last round to be judged as one of the top 16 cheeses in the world.



Japanese cheeses won one Super Gold, 4 Gold, one Silver, 8 Bronze medals. The list of submitted cheeses with their awards is available at <https://japancheese.co/news/worldcheeseawards2019>

The annual World Cheese Awards is organized by the Guild of Fine Food from England. In 2019, 3,804 cheeses were judged by 260 judges from 35 countries. A mixed selection of cheeses was organized across 84 tables with a team of 3-4 judges on each table. Each team of judges selected one Super Gold cheese from their table, as well as awarding cheeses Gold, Silver, or Bronze medals. Out of the 84 Super Gold cheeses, the Super Jury, consisting of 16 elite judges, each championed one cheese for the final round. Out of these 16 cheeses, each is tasted and judged with up to 7 points by each judge. From those tallies, the champion is crowned the Best Cheese in the World. If there is a tie, like in 2019, the tie is broken by the lead judge.

Japan Cheese Co. was able to support the Japanese cheese submissions with English guidance on entry documentation, Japanese-English interpretation, and as the go-to for inquiries about exports during the World Cheese Awards and B2Cheese trade show.

Malory Lane
Director, Japan Cheese Co.

**Japan Cheese Co. supports artisanal Japanese cheesemakers through exports and educating the world on everything Japanese cheese. For more information, visit at <https://japancheese.co/>*



Report on the 21st Japan Goat Summit in Yamanashi



The 21st Japan Goat Summit was held in Hokuto City, Yamanashi Prefecture on November 23 and 24, 2019, with approximately 210 participants.

The event started with a luncheon with goat meat dishes and the Japan Goat Network General Assembly. After the general meeting, there were two keynote speeches entitled 'Potential and prospective of goat utilization' given by Dr. Shogo Shinde, Research Head of the Livestock Technology Center of Hiroshima Prefectural Institute of Technology and 'Obesity-preventing and –eliminating effects of histidine contained in goat meat' by Professor Shigeru Nakajima, Vice President of Bunkyo University, followed by a panel discussion on goat production. Panelists included Mr. Akio Imai, the Goat Network of Niigata, Mr. Tadashi Sonoda, the National Livestock Breeding Center, Ibaraki Ranch Nagano Branch, and Ms. Takara Goto, TAKARA Goat Ranch & Cheese Factory, Mr. Hideki Saito, Cultural Property Division, Board of Education, Minami Alps City, and Mr. Koji Inaba, representative of Yamanashi Prefecture Goat Network in addition to the two keynote speakers. A social gathering was held in the evening, where goat meat dishes, local sake, and shochu (Japanese liquor with 25-45% alcohol) were served.

On the second day, panel discussions of three subcommittees were held; 1. Goat feeding and management, 2. Usage of Goat products, and 3. Goat utilization for regional promotion and education. Researchers in the Japan Goat Network Science Committee (Japanese Society of Goat Science) facilitated the discussion on the issues raised by the participants. At the subcommittee 1, there were many questions regarding disease prevention and feed management, while the detailed explanation of ruminal digestion became pending. At the subcommittee 2, the needs of research on the composition and functionality of goat milk and goat meat were pointed out, issues on limited slaughterhouses were discussed, and utilization of goat products other than food products and incorporate with local food processing was suggested.



Issues related to at the subcommittee 3, discussions on legal restraints on holding goats for non-livestock purposes, and goat utilization as measures of vermin prevention were made. At each of the subcommittees, active discussions were held among the participants, and thus, it became a valuable forum for information exchange.

Maki Hayashida
Associate Professor
Tokyo University of Agriculture

-continued from page 3

duce goat disease cases, to create simple feeding standards, and to introduce goat meat distribution information. Also, it was suggested that information distribution, experimental trials, fact-survey should be dealt with according to individual issues. Specific measures will continue to be discussed within the JS GS members and the Network.

Oral Presentations:

1. Techniques for feeding control of Mongolian nomads. Hirofumi Naekawa. Tokyo University of Agriculture.
2. Chemical composition of weeds in abandoned cultivated land used for grazing dairy goats. Yoshiaki Hayashi, Maya Ueno, Tomomi Mashiko. Faculty of Agriculture, Meijo University.
3. Intravaginal administration of progesterone using a new drug-release technique for estrus synchronization in goats. Natsumi Endo¹, Larasati Puji Rahayu¹, Takashi Yamamura², Hitoshi Tanaka³, Tomomi Tanaka¹. ¹Laboratory of Veterinary Reproduction, Tokyo University of Agriculture and Technology, ²Institute of Livestock and Grassland Science, NARO, ³Takechi Co. Ltd.
4. Social inclusion of minority people by goats: a case from Chepang community in Nepal. Kawamura Yumiko. Graduate School of Asia-

Pacific Studies, Waseda University.

5. A method of noninvasive forelimb fixation for 28 months of self-reliant locomotion in a goat infected with bilateral carpal arthritis. Mayumi Mitani^{1,2}, Mami Kurebayashi². ¹Farm SAKURA clinic for small ruminants, ²NPO SORANOWA.
6. Basic medical treatment for goats to make use of Japanese veterinary clinic. Anna Terashima, Naoya Uchida. Miyako Veterinary Clinic, VET Inc.
7. Case reports of ruminal acidosis in goats. Naoya Uchida, Anna Terashima. Miyako Veterinary Clinic, VET Inc.
8. Goat raising and cheese processing of Nasu Kogen Ima Farm. Sanae Ishii. Nasu Kogen Ima Farm.
9. Practical advice for novice and mid-level goat breeders. Akio Imai. Imai Professional Engineer Office for Agri-business.

Reports from breakout sessions at the 21st Japan Goat Summit:

Hidetoshi Kakihara¹, Yoshiaki Hayashi², Naoshige Abe³, Akio Imai⁴. ¹Tohoku University, ²Meijo University, ³Japan Goat Network, ⁴Imai Professional Engineer Office for Agri-business.

Hidetoshi Kakihara
Assistant Professor, Tohoku University



【表紙の写真】

南アンデスは、チリとアルゼンチンの国境を分けます。チリの首都サンチアゴから、アンデスの一角を成すマイポ山に向かう道なりでは、陰しくも美しい自然を堪能することができます。広く澄んだ青空と果てしなく続く山脈、谷を流れる清流に壮大な自然を見せつけられます。この辺りの標高は2000mくらいですが、太陽はとても近く、まぶしく照り付け、

雪山から降りてくる冷たい空気を心地よく温めてくれます。途中、いくつかの家が建っているのを見つけました。冬の間は山を降りて生活しているのか、人の姿は見えませんが、家の近くで馬の親子が草を食べていました。道路が途絶えたので車を降りて、緩やかな岩肌を歩いて向かう山頂のあちら側はアルゼンチンです。国境まで20kmあたりのところまで登ってきたようです。太陽がだいぶ低くなって、私たちを移す影が長くなり、気温が下がってきました。澄んだ空気と自然を十分に堪能したので、車に戻って帰路に就くことにしました。間もなく、確かにヤギの鳴き声を聞きました。友人は「ヤギなんてどこにも見えないよ。空耳に違いないさ」と笑いましたが、車を降りて、ヤギの鳴き声がした小さな崖を駆け上がると、アンデス山脈で暮らすヤギ達に会うことができました。2018年8月8日撮影。

お知らせ

第8回国際乳業連盟シンポジウム

- 日程: 2020年11月4~5日
- 会場: ベルギー、ブリュッセル、オートワールド博物館

IDF(国際乳業連盟)は、「ヒツジ、ヤギ、その他ウシ以外の乳」に焦点を当て、世界の酪農コミュニティをベルギー、ブリュッセルに結集します。ウシを以外にもヒツジやヤギなど乳を生産する動物は世界中に広く分布しています。これらの動物は、経済、農村および都市周辺の暮らし、女性の社会進出、そして食料安全保障のサポートを通じて、持続可能な暮らしに貢献しています。このシンポジウムでは、ウシ由来以外の乳についての栄養学と科学技術の進歩、さらに動物の健康についての最新の科学的進歩について発表されます。詳しくはウェブサイト: <https://www.fil-idf.org/sheepandgoat2020/>をご覧ください。

中南米小型反芻家畜・南米ラクダ科研究会議 (ALEPRyCS)とIGA南米地区の合同大会

- 日程: 2021年5月19-21日
- 開催地: コロンビア、バジェドゥパル

第10回国際ヒツジ獣医師会世界大会

- 日程: 2021年9月19~23日
- 会場: スペイン、セビリア
- ウェブサイト: <http://isvc2021.com>

第13回ヤギ国際会議

- 日程: 2021年10月3~8日
- 会場: ハンガリー、エゲル、ホテルEger&Park
- ウェブサイト: <https://www.icg2020.org/>

第5回アジア・オーストラレシア乳用ヤギ会議

- 日程: 延期(新日程は未定)
- 会場: タイ、ノンタブリー
- ウェブサイト: <http://aadgc2020.com/>

The 20th Meeting of the Japanese Society of Goat Science

The 20th Meeting of JSGS, the research committee of the Japan Goat Network (JGN), was held at 13:00 to 17:00 on March 27, 2019, during the 125th Annual Meeting of the Japanese Society of Animal Science at Azabu University.

There were 45 participants at the meeting with an academic lecture and recent research on goat by young scientists. In addition to researchers, goat raisers also participated the meeting and active Q&As were made on each presentation.

Towards the end of the meeting, members of the JGN also discussed the future visions and missions of the JSGS.

[Academic Lecture]

"Study on contact with goats on changes in psychological, physiological and biochemical indicators of healthy person"

Naoshige Abe, Japan Goat Network

[Recent goat research by young scientists]

1. Studies on developments of spineless cactus (*Opuntia* spp.) as a feed resource for improving health and milk production in goats. Makoto Nishizawa¹, Makoto Kondo², Yoshiaki Hayashi¹. ¹Graduate School of Agriculture, Meijo University, ²Graduate School of Biore-sources, Mie University.
2. The actual situation of goat raising and the establish condition of goat business managing in Japan. Sanae Ishi, Shinichi Kobayashi, Seiichi Koizumi. Graduate School of Biore-source Sciences, Nihon University.



Yoshiaki Hayashi

Associate Professor

Meijo University



2020 国際ヤギ協会入会申込書・会費納入書

申込年度
□にレ点（チェックマーク）を入れてください

2020 □ 2021 □ 2022 □ 2023 □

氏名 姓：

名：

敬称・肩書

所属：

住所：

県：

郵便番号：

電話番号：

FAX 番号：

Eメールアドレス：

IGA 会員種別

IGA個人会員

- ☐ **\$50.00 USD /年** – IGA 一般会員* *Small Ruminant Research*の印刷版なし
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- ☐ **\$10.00 USD /年** – オンラインジャーナル*Small Ruminant Research* を含まないIGA学生会員**
- ☐ **\$200.00 USD (one-time payment)** – 永久会員 (60歳以上の定年退職者限定)

* 会費受領日から1年間の*Small Ruminant Research*へのオンラインアクセスを含みます。

** 申込の際に在学証明書を添付してください。

支払い方法: ☐ クレジットカード ☐ 小切手(ドル建) ☐ 現金(USドル) ☐ 電信送金

クレジットカード (Visa または MasterCard) または小切手の支払総額:

\$

クレジットカード番号 (全桁)

有効期限
月/年

セキュリティ番号

サイン:

日付:

注) 日本語で記入された場合やご質問は、IGA日本支部 igajapance@gmail.com へお知らせください。
英語で記入された場合は、下記宛お送りください。

If you have further questions, contact admin@iga-goatworld.com or call 1-501-454-1641.
Visit our website at www.iga-goatworld.com for more information.

IGAにぜひご入会ください。会員専用サイトでは、四半期ごとのIGAニュースレターで、ヤギに関する世界のニュースや情報をお届けしています。また、世界中の会員とつながって、会議やジャーナル、オンラインを通じて交流しましょう。さらに、メンバー特典として、IGAニュースレターに記事を掲載したり、IGAコンサルティンググループなどのIGAプロジェクトへの参加、国や地域の代表への選出やとIGAの各種委員会への参加の機会があります。IGAは、科学的に健全な方策で、小型反芻動物の生産と消費に関する国内および世界の課題に貢献しています。IGAは、国内および国際レベルでのヤギの研究者と生産者の声です。

IGA ニュースレター2020年6月号のトピックス

1. 第13回国際ヤギ会議ハンガリー、エゲル大会の新たな日程発表
2. IGA会長からのメッセージ
3. ヤギ関連国際会議の日程再調整と延期について
4. ルーマニア農業リーダーシップフォーラムによるシャンドー・クコヴィクス博士へのインタビュー
5. モザンビークにおける小規模ヤギ飼養農家のための補助飼料としての樹葉利用について
6. ポーランド、クリムコフカでのチーズ作りワークショップが2019年9月26-27日に開催されました
7. コロンビアのヤギ生産
8. COVID-19でヒツジ・ヤギ産業が受ける打撃
9. 従来の駆虫薬に代わる幼虫捕獲菌、BioWorma
10. 本の紹介「big bucks for pastoral farmers (ヤギで大きく金儲け)」
11. コロンビアの先住民族Wayuu
12. より良い意思決定と投資のための家畜データウェブサイト(LD4D)
13. イラン、ブーシェフル州のアダニ種ヤギの飼育状況
14. AdaptMap: ヤギの多様性と適応の調査
15. 東アフリカにおける口蹄疫ワクチンの開発と促進事業
16. 健康で持続的、そして正当な食料システムにおける動物性食品の役割
17. PPRウォッチ

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、yoshiha@meijo-u.ac.jp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-injapanese.html>>. IGA Japan also welcomes your articles, pictures, videos, comments, suggestions, and/or questions. Contact at yoshiha@meijo-u.ac.jp.