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e-news

**International Society
for Animal Hygiene**

N° 006 - 2020

SUMMARY

Dear members and friends of ISAH,

I hope that this e-Newsletter finds you and your relatives healthy in this complicated and unprecedented period of COVID-19. Hygiene has never been more important in the face of a modern epidemic than it is today. This epidemic reminds us that animal and human are closely connected. Virus cross species barriers and do not recognize boundaries created by humans. To face such events, solidarity without boundaries between peoples and countries is more necessary than ever. The sharing of scientific knowledge in a seamless manner between human and veterinary medicine, in the framework of the 'One health' concept, is equally necessary to progress and meet the challenges brought about by this new disease. The spirit and principles of ISAH is there from the beginning: sharing knowledge between scientists of different countries, solidarity among nations, progressing together to promote health and well-being of animals and therefore Humans. Even though the livestock is not a key point in the propagation of COVID-19, also called SARS-COV-2 up to now, our society in his spirit, through each of its members, has a role to play in the fight against and prevention of the spread of this disease by promoting Hygiene.

ISAH continues to publish its e-Newsletter, please find the mid-year one. It keeps record of activities of the Executive Board of ISAH and informs members about recent developments in the Society and on interesting topics in various fields of Animal Hygiene and beyond. This issue gives a special focus on coronaviruses in animals and activities around the COVID-19.

Hot topics today relate to:

- letter from President,
- latest news from the Executive Board,
- important activities of EB members,
- ISAH congress postponed to August 2022.



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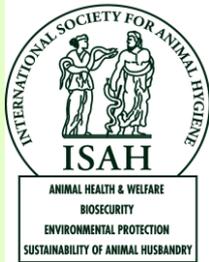
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We also take the opportunity to inform you that membership fee collection is working properly. Please look on page 7-8 for details how to pay the membership fee.

Forthcoming events and publications related to the Society are presented in the end of this issue; please visit the associated pages (9 to 12).

Enjoy reading the Newsletter of our Society!
Stay healthy with the goddess Hygiea.

Dr Christelle Fablet
General Secretary of ISAH



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EDITORIAL

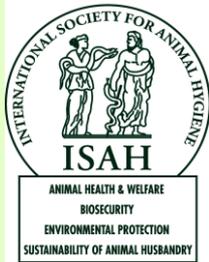
By the President

Dear members of ISAH, colleagues and friends,

Only half a year ago, we were still full of enthusiasm about our successful 19th Congress in Wroclaw and looked happily ahead to the Christmas vacations. In those days, top on the agenda of many institutions and farmers across the world from China to Europe was the battle against African Swine Fever (ASF). Hygiene principles and biosecurity measures were in the spotlight because neither a vaccine nor an effective medical treatment was (and is) available against this *Asfvirus*.

Since then, the world has changed by the emerging and very fast spreading SARS-CoV-2 pandemic that has also changed our professional and personal life dramatically. Students were sent home, teaching via internet developed quickly. Exams were postponed, meetings moved to telephone or video calls, travelling stopped, conferences were cancelled or postponed (as our ISAH Congress in Thailand) or reduced to a few online lectures. Since February and March, the SARS-CoV-2 virus dominates headlines and news. To date (4th July) WHO reports nearly 11 million people verifiably infected by the virus and about 520 thousand casualties worldwide.

Hygiene measures and biosecurity were suddenly top on the agenda of all hospitals and public health offices. Breathing masks, hand and surface hygiene, disinfecting and distance of at least 1.5 m between people were strictly ordered to interrupt the virus transmission from person to person. Hygiene and prevention were considered the only way to protect receptive people from SARS-CoV-2 and consequently from poor health



condition, sickness, suffering and death plus the impact on families and society, as long as neither medication nor vaccination are available.

This actual zoonotic SARS-CoV-2 pandemic reminds us (again) that humans are part of nature and that medicine and health care of the future must include animals and the environment – also addressed as the “One Health” concept - or, because of the earth's ecosystem, as “global health” or “planetary health”. Viruses, bacteria, fungi, protozoa and parasites can spread between animals and humans. A total of about 60% of all human infectious diseases and 73% of all new emerging human infectious diseases are of animal origin, often spreading from wild animals when their natural habitats are destroyed. The One Health concept requires therefore close collaboration between the human, veterinary, and environmental sector and partners like OIE, WHO and FAO. Most relevant areas of One Health are public health, veterinary public health, food safety, control of zoonoses, and combatting antibiotic resistance.

The current crisis shows that more research and better education is required in applied hygiene. Needless to say, Applied Hygiene is also a "cost-free protection" against other infectious agents and can save resources and lives according to our leading principle: **prevention is better than cure.**

Finally, I quote an information provided by our colleague and treasurer of ISAH Hermann Schobesberger recently at the occasion of the official 12th International Day of Hand Hygiene initiated by WHO and celebrated every year on 5th of May. A British study shows that before SARS-Cov-2 about 77% of Chinese, 70% of Japanese, 61% of all South Koreans, and 43% of Italians did not wash their hands after visiting a restroom. This – I am sure – has changed in the last 3 months worldwide.

Presently, not yet much is known about the role of domestic and farm animals transmitting Sars-Covid-2. Cats and ferrets can be infected and they can transmit the virus within their population. Also dogs can be carriers but transmission to other dogs and humans is not proven. Farm animals like pigs and poultry do not seem to be receptive for the virus and do not spread. A possible role of horse and cattle is still under investigation. Bats are assumed as the origin of the virus.



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The importance and multidisciplinary of hygiene and animal hygiene cannot be highlighted enough in these days, even if we have to postpone our next and 20th ISAH Congress in Pattaya, Thailand because of Sars-Covid-2 to August 2022.

Our Society and the *Spirit of Hygiene* are more important than ever for animals, humans and the environment.

In the name of the Executive Board.
Professor Dr. med. vet. Dr. h. c. mult. Jörg Hartung
President of ISAH

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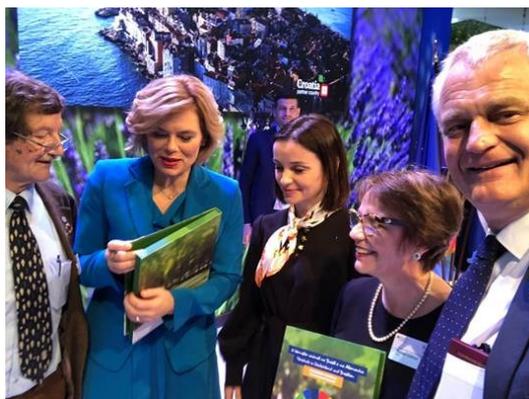
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News from the Society

Some activities of ISAH members in recent months

Activities and invited Talks of **ISAH President Jörg Hartung** in the first half of 2020:

On January, Prof Hartung presented the first German - Brazilian animal protection book entitled “Animal Welfare in Brazil and Germany - Responsibility and passion” during the Green Week in Berlin (Grüne Woche 2020).



From left to right: Prof Hartung (ISAH), Julia Klöckner (German Minister of Agriculture), Marija Vuckovic (Minister of Agriculture from Croatia) and Tereza Cristina da Costa (Minister of Agriculture from Brazil)

In the 304-page volume, there are 40 contributions written by well-known German and Brazilian authors on the protection of farm animals, horses, dogs and cats, fish, zoo and wild animals as well as on the history of animal protection, current legal provisions and the implementation of animal welfare by administrative structures. Also included are chapters on animal welfare in the veterinary curriculum incl. “skills lab” studies, the view of NGOs, media and industry on animal welfare issues.

For more information, please refer to our e-Newsletter n°005-2019. The book is available as complete edition in German and in Portuguese language. Inquiries (ISBN 978-8585577-44-5) should be addressed to: Jörg Hartung, Hanover (joerg.hannover@tiho-hannover.de).



Join ISAH

*and become a member of a community of science
and a circle of lifelong friendship*



Scientists, veterinary practitioners and other persons with a special interest in the field of Animal Hygiene are cordially welcome to become a member of the International Society for Animal Hygiene.

Entering the society is absolutely easy! Just send an informal email to the ISAH Secretary and upon receiving of the invoice by paying the biannual membership fee of 40 Euros for two (2) calendar years in between the ISAH-congresses. Alternatively, you can also use our entry form on the Society's web page (www.isah-soc.org).

ISAH membership fee is effective from the 1st of January and runs for 24 consecutive months. Members who pay their fee in due time get a discount on the congress fee for the upcoming ISAH congress in that period.

For instance, those having paid the fee in 2020 or 2021, will have a discount for 2022 ISAH congress!

Membership fee can currently be paid only by money transfer. Alternatives are currently explored and might become available in the future.

Please visit our webpage for more details:

<https://www.isah-soc.org/?Members/Membership-fee>



Gentle Payment Reminder



As the first half of 2020 has almost passed by now, ISAH's treasurer would kindly like to reach out to you and thank all those members who have paid their membership fee in time at the beginning of the new year!

We are truly grateful for your contribution!

All others who still have to settle their dues we would like to

gently remind to check their balance

and

to satisfy their balance as soon as possible!

If your fees are overdue please contact ISAH'S Treasurer for an invoice and pay the amount due.

Thank you!

ISAH's Treasurer wishes you a wonderful summer, relaxing holidays – entirely virus free. Stay healthy and safe and away from any Covid-19!



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20th ISAH Congress, Pattaya Thailand – postponed to August 2022

Save the date!

The next ISAH congress will be held in Pattaya, Thailand in August 2022 instead of 2021 due to COVID-19.

A specific homepage for the Congress is in progress and will be launched in the near future. The scientific programme and organisational details will be developed in close cooperation between with the local hosts and the Executive Board of ISAH.

We hope that You will join us and take an active part in all that will be offered. The Congress is a unique opportunity for industry and scientists to meet and acquire new knowledge as well as to exchange experience.

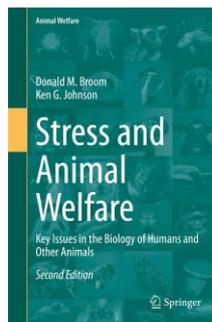
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Publications

Stress & animal welfare – 2nd Edition



Prof. emeritus Donald Broom and Prof. Ken Johnson edited the 2nd edition of 'stress and animal welfare'. This book explains the basic biological principles of coping with many forms of adversity. The major part of this work is devoted to explaining scientifically usable concepts in stress and welfare. A wide range of welfare indicators are highlighted in detail with examples being drawn from man and other species. The necessity for combining information from disciplines is emphasized with a one-health, one-welfare approach. This information forms the basis for a synthesis of new ideas. Among the issues covered are: - How brain and body systems regulate using feelings, physiological responses, behaviour and responses to pathology - Limits to adaptation - Assessing positive and negative welfare during both short-term and long-term situations - Ethical problems and suggested solutions.

This work encapsulates a very wide body of literature on scientific aspects of animal welfare and will thus prove a valuable asset for animal welfare scientists, psychologists, students and teachers of all forms of biology, behaviour, medicine, veterinary medicine and animal usage.

Interested in buying one? Please visit:

<https://link.springer.com/book/10.1007/978-3-030-32153-6>



Publications

Of interest from ISAH members

About poultry production & animal hygiene

- ▶ Guinebretière M., Mika A., Michel V., Balaine L., Thomas R., Keïta A., Pol F. 2020. Effects of management strategies on non-beak-trimmed laying hens in furnished cages that were reared in a non-cage system. *Animals* 10, 399.

About pig production & animal hygiene

- ▶ Teixeira-Costa C., Andraud M., Rose N., Salines M. 2020. Controlling hepatitis E virus in the pig production sector: Assessment of the technical and behavioural feasibility of on-farm risk mitigation strategies. *Preventive veterinary medicine* 175, 104866
- ▶ Delsart M., Pol F., Dufour B., Rose N., Fablet C. 2020. Pig Farming in Alternative Systems: Strengths and Challenges in Terms of Animal Welfare, Biosecurity, Animal Health and Pork Safety. *Agriculture*, 10, 261; doi:10.3390/agriculture10070261

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Forthcoming events



71th Annual Meeting of the European Federation of Animal Science (EAAP)

For decades, the Annual Meeting has hosted scientists and experts from the field of animal science, not only from Europe but also from other countries around the globe. The EAAP Congress provides insights into the latest research results from many areas of animal science. It is a unique opportunity for scientists and industry to acquire new knowledge and to exchange experience. Carried out through many sessions, plenary meeting, a poster presentation, and discussions about scientific achievements in the European and world livestock production, Annual Meeting gives an opportunity for the application of new ideas in practice. All these preferences make the EAAP one of the largest animal science congresses in the world – approximately 1000 participants from more than 50 countries are expected.

The onsite EAAP Porto Annual Meeting has been cancelled due to the COVID-19 pandemic, however **the meeting will be hosted as a virtual event from the 1st to 4th of December!**

Don't miss this event scheduled in 2020!!!

<https://www.eaap2020.org/>



The Newsletter is sent to all ISAH Members. You are all invited to submit information for the newsletter. Please send information, news, text, photos and logo to: christelle.fablet@anses.fr and joerg.hartung@tiho-hannover.de

Production staff: ISAH Executive Board