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*e-news*

**International Society  
for Animal Hygiene**

**N° 003 - 2018**

## **SUMMARY**

Dear members and friends of ISAH,

Please find the Christmas and New Year e-format ISAH Newsletter. 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.

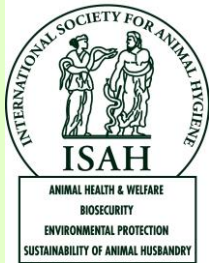
Hot topics today relate to:

- Christmas and New Year greetings from President and Executive Board (EB),
- latest news from the Executive Board,
- important activities of EB members,
- portrait of our honorary ISAH President Ingvar Ekesbo,
- General data protection rules,
- deadlines for the 19<sup>th</sup> ISAH congress in Wroclaw, Poland, 2019.

We also alert you that we have recently noticed a number of incidents where forged emails were sent to ISAH members. The usual technique used is known as Mail Spoofing. Please look on page 14 for details about this point.

Forthcoming events and publications related to the Society are presented in the end of this issue; please visit the associated pages (16 to 19).

Enjoy reading the e-Newsletter of our Society!



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## EDITORIAL

### *By the President*

Dear members of ISAH, colleagues and friends,

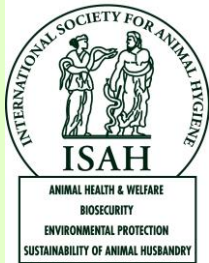
Again a year is gone and we are looking back with wonder how quickly it could happen. Christmas is close - and not just in the Christian world - people are hoping for peace, freedom, prosperity, a sound environment and that their plans and dreams come true.

ISAH was able to realize in 2018 most of its goals and endeavours - some still wait for completion and have to be tackled in 2019.

**Main scientific topics in 2018** were again animal welfare, animal health, the “One Health” postulate demonstrating the close relationship of humans and animals. Of high attention were health concerns associated with the use of **antibiotics** in animal production and the efforts to reduce it.

It is well documented that the use of antibiotics in human medicine contributes largely to the phenomenon of antimicrobial resistance. However, the largest amounts of antibiotics are used in animal production.

The rough figures below elucidate the increasing and frightening consumption of antibiotics worldwide in livestock production, demonstrating the urgent need for better and healthier living conditions for our animals – one of the core concerns of ISAH.



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<b>1951</b>	110 tonnes AB used as growth promoters (AGP) in <u>USA</u>
<b>1978</b>	5,580 tonnes AB used as AGPs in USA (increase by factor 50)
<b>2010</b>	63,100 tonnes AB used in animal production <u>worldwide</u>
<b>2018</b>	80,060 tonnes AB used in animal production worldwide (calculated)
<b>2030</b>	105,500 tonnes AB used in animal production worldwide (expected)
<b>2012</b>	8,936 tonnes AB used in animal production in the <u>EU 28</u> (Van Boeckel et al. 2015)
<b>2011</b>	1,706 tonnes AB used in Vet.-Medicine in <u>Germany</u> . <i>In 2014, a strict surveillance of antibiotics prescriptions was introduced and the tonnage fell significantly.</i>
<b>2016</b>	742 tonnes AB used by veterinary prescription
<b>2018</b>	733 tonnes AB used by veterinary prescription (expected)

*Table from J. Hartung, 2018*

- Publications

Further topics were the thread of African Swine Fever (ASF) for the European pig industry and the increasing importance of PLF (Precision Livestock Farming) in animal production, helping to support farmers in health and welfare surveillance.

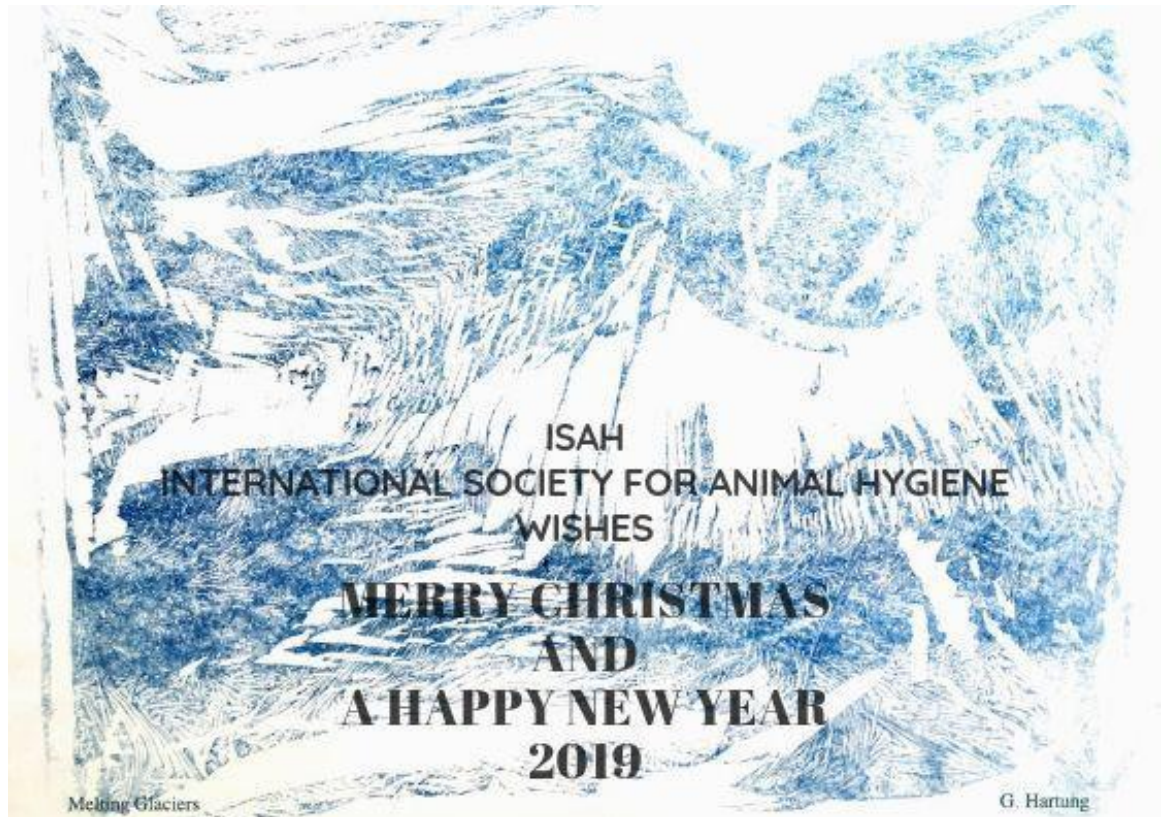
- Job offers

The big themes of international politics are also touching the work of ISAH. Environmental pollution and climate change are influencing animal husbandry worldwide. Draughts, floods and rising temperatures worsen living conditions in many parts of the world.

- Forthcoming events

A symbol of change are the melting glaciers at the poles. The **painting below** shows a still white but melting world. The apparent eternity of glaciers is breaking and fading. All elements of our planet are at stake. Who saves the beauty and diversity – if we are not doing it?

The event of Christmas should remind us to work together for peace, quality of life for man and animals and the protection of the whole creation.



## Melting Glaciers

The limits haven't yet been reached  
the growth goes even further.

The weights are distributed new,  
from poles to the equator.

People are increase' in number.  
They all need water, food and caring.  
The earth gives as the best it can,  
But do we see the signs of warning?

What used to be, must not apply tomorrow,  
Trust disappears with the melting ice.  
Creation, wildlife, woods and oceans  
Are suffering from mankind's life.



A sunbeam breaks from darkest heaven  
strikes deep the worry laden chest.

Who saves man from his own delusion?

This hope new every morning stands.

(translated from poem "Grenzen / "limits", J. Hartung 2018)

The aims of ISAH for improving the quality of life of the animals in our custody by health care and preventing diseases and poor welfare are on the national and international agendas in research and practice worldwide. Animal friendly housing conditions that enable an infection-free and injury-free animal life without physical, mental and social suffering, production of safe and high-quality food of animal origin and the protection of flora and fauna. Let us take up the challenges with knowledge and trust – again in 2019. Animal hygiene is applied sustainable science for the sake of animal, man and environment.

*I wish you all a blessed and Merry Christmas and a  
happy, healthy and successful New Year 2019.*

**Professor Dr. Dr. h. c. Jörg Hartung President of ISAH**

In the name of the Executive Board



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## ISAH people PORTRAIT

### Ingvar Ekesbo

This year our venerable and seemingly indestructible ISAH honorary president Ingvar Ekesbo turned 90 and was celebrated for his lifelong, indefatigable dedication to the science and research of animal hygiene by a symposium in November held at the SLU in Skara, Sweden. Ingvar is a member of ISAH from its inception and has served the society for in numerous years. He was ISAH country representative for Sweden from 1970–80 and joined the ISAH Executive Board from 1980–1994. He was born into a family of farmers (horses, cattle, sheep, pigs, poultry) in southwest Sweden. After becoming DVM in 1955 and obtaining his PhD in 1966 he followed an impressive career as veterinary scientist, succeeding in in combining and reconciling research, education and consultancy in one individual person.



Three ISAH musketeers in the break of Ingvar's (middle) birthday conference.



Prof. J. Hartung wishing all the best to Ingvar



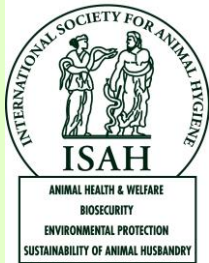
Ingvar and his friends

Ingvar has been lecturer at a great number of courses in animal hygiene and animal welfare, for instance those arranged by the National Veterinary Board (1960–1973), the Swedish Board of Agriculture (1973–1998) and the Swedish University of Agricultural Sciences. He also promotes science internationally by giving lectures at international and national organizations and universities in Europe, USA, Canada and Mexico.

From 1977-1993 he was the head of the Dept. of Animal Hygiene, now Dept. of Animal Environment and Health, Vet. Med. Faculty, Swedish Univ. Agric. Sciences, in Skara.

He carried out from 1960 a research project to analyse with epidemiological methods the effect on animal health by different environmental and management factors. This meant that farm animal epidemiology was introduced at the Vet. College. The projects later carried out by him and his research group were the beginning of modern animal hygiene, epidemiology, farm animal ethology and animal welfare research in Sweden. The staff have always kept a close connection to veterinary practice, through which many clinical problems which have arisen parallel with the radical changes in animal husbandry have been early scientifically elucidated. At the same time ethological methods were elaborated and put into practice.

He was the founder of the department of Animal Hygiene in 1977. His commitment to ethological and animal welfare research led to the establishment of a chair in farm animal ethology and one in animal welfare at his department.



He was also engaged in many International Associations related to animal hygiene and welfare. He was also engaged at the European level. Ingvar was the Swedish representative and the government's expert and leader of the Swedish delegation in the Council of Europe's Standing Committee for Farm Animal Welfare 1979–1998 (elected chairman of the Committee 1979–86, 1st vice chairman 1986–1998).

Ingvar has published more than 200 scientific and great number popular scientific papers within the fields of animal hygiene, epidemiology, ethology and ethics in animal husbandry. He has written a Swedish textbook on Animal hygiene which came out in nine editions. In 2011 he published the textbook "Farm animal behaviour – characteristics for assessment of health and welfare". A revised edition will be published in 2018 together with another ISAH member Prof. S. Gunnarsson.

***All the board thank you Ingvar for your colossal work and commitment to the Society and to the cause of animal hygiene and welfare!***



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## News from the Society

### Some activities

**ISAH President Jörg Hartung was:**

- invited by South China Agricultural University (SCAU) as a speaker to attend the 13th National Academic Symposium & the Strategic Development Conference of Ecological Animal Husbandry by Animal Micro-Ecology Branch of Chinese Association of Animal Science and Veterinary Medicine from November 15 to November 21, 2018. Title: “Improvements in animal hygiene and housing help to safeguard health and welfare”.
- invited by Foshan University, Guangdong, China, seminar on animal welfare.



*Staff of Foshan University and Prof Hartung,  
Prof. Li Hua (4<sup>th</sup> from right),  
Prof. Tonjie Chai, member of ISAH (3<sup>rd</sup> from right) and  
YingYing Yu (right)*



*Teaching class in Foshan*

- took part in the World Animal Welfare conference 24 -25 October 2018 in Beijing.



- gave an invited talk about “Farm animals as sentient beings”.
- took part in the kick-off meeting as independent scientific advisor to the EU – China project “Healthy Livestock” in Beijing (25–26 October 2018). The project is funded by the European Commission under Horizon 2020 and in China by the Ministry of Science and Technology, MOST and started officially 1 September 2018 for 4 years. Aim of the project is to reduce the need for antimicrobials in pig and broiler production by improving animal welfare and husbandry conditions – again a typical issue of Animal Hygiene Science.
- gave a presentation during the celebration ceremony of 60th anniversary of the cooperation between Brazil and Germany in veterinary medicine (1958 – 2018), August 24, 2018, FMVZ, University of Sao Paulo, USP, Brazil on the topic “Current examples of cooperation in teaching and research in veterinary medicine and animal sciences between TiHo Hannover and FMVZ-USP Brazil - Caipirinhas and other challenges”.



**ISAH EB members** took part in the XVI scientific conference on ethical and legal aspects of animal welfare protection (Wroclaw, Poland on 4<sup>th</sup> October 2018). ISAH president J. Hartung was invited to give a talk on “Intensification of animal production versus animal welfare”. The following day The EB had the great joy and honour to partake in the

celebration of the 45<sup>th</sup> Anniversary of Scientific and Didactic Work of our esteemed Polish member and magnificent friend Prof. Roman Kołacz (5<sup>th</sup> October, Wrocław). The EB congratulates and thanks again to the wonderful “*soirée scientifique et culinaire*”.



ISAH Executive Board members and members at large at Prof Kołacz jubilee celebration, 05<sup>th</sup> October 2018



**ISAH Standing vice president Dr. Andres Aland** took part in the ERAMUS+ Course in Jean Monnet Programme “Animal Hygiene and Animal Welfare: The European Vision” in Mexico in October 2018.

A number of presentations in seminars were delivered in six Mexican universities:

- Universidad Autónoma del Estado de México (UAEM, Toluca),
- Universidad Michoacana de San Nicolás de Hidalgo (UMSNH, Morelia),
- Universidad Autónoma de Sinaloa (UAS, Culiacán),
- Universidad Autónoma Metropolitana, la Unidad Xochimilco (UAM, Mexico City),
- Universidad Autónoma de Guerrero (UAGro, Taxco)
- Universidad de Guadalajara (UdeG, Guadalajara).



An opening ceremony of the seminar in UAM, Mexico City, 15th of October 2018

The organization of the seminars in all six universities was very good in timing and teaching facilities, without any delays or absentees. The programmes were well structured distributing the guest lectures and the lectures of the Mexican colleagues in a balanced way. The attendance was high to very high in all six universities, reaching up to 150 participants in Culiacán.

The courses in all universities were run with the registered participants. In Mexico City, along with local students also young researchers from Cuba and Haiti participated.

The interest in all presented topics of animal health, animal welfare and related subjects was high. The students clearly expressed their deep interest and enthusiasm in all six locations of teaching.





**ISAH member**, associate professor Dr. **Jacek Koziel**, of agricultural and biosystems engineering IOWA State University, and his team are developing black light to help neutralize the volatile components that make up odours. Shined on surfaces coated with a thin layer of titanium dioxide, the black light initiates photo-catalytic reactions that have been found to significantly reduce several odorous chemicals that are found downwind of livestock operations.

Please have a look of this proof of concept with promising results for animal facilities: <https://www.mdpi.com/2073-4433/8/6/103>.



## Membership fees



Scientists, veterinary practitioners and other persons with a special interest in the field of Animal Hygiene can become member of the International Society on Animal Hygiene by paying a biannual membership fee of 40 Euros for two (2) calendar years in between the ISAH-congresses.

The 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 2018 or 2019, will have a discount for 2019 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>



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## Further news



### ALERT FORGED MAILS

We have recently noticed an increasing number of incidents where forged emails were sent to ISAH members. The usual technique used is known as Mail Spoofing. Suspicious emails usually look quite well crafted and like a genuine email from an ISAH member. While the send-from address looks correct, close inspection of the reply-to address usually reveals a different addressee. Usually the genuine owner of the send-from email account remains totally unaware of the affair. Some mail server filters are able to warn the recipient with a FORGED-REPLY-FUNCTION alert. Oftentimes however the forged emails reach the targeted user mailbox unnoticed by spam protection.

**Should you receive suspicious emails**, there is unfortunately not much you can do. **Best is just to delete the message.**

**Please DO NOT ENGAGE IN CONVERSATION OR OPEN INCLUDED ATTACHMENTS OR WEBLINKS!**

If you want to do more than just delete, you can notify the unknowing owner of the forged email and/or ISAH. In that case it is imperative however that you use the correct Send-to address and not the forged Reply-to.

For more information you can check out Mail spoofing at wiki:

[https://en.wikipedia.org/wiki/Email\\_spoofing](https://en.wikipedia.org/wiki/Email_spoofing)

ISAH is doing its best to assure and maintain tightest internet security on its website, but preventing email spoofing unfortunately lies outside our domain. There is no known reliable way to completely stop email from being spoofed.

**Please stay alert!**

## General Data Protection Rule (GDPR) and privacy policy



New data protection rules, which are designed to offer greater protection for users over their data and privacy, came into effect in 2018 in the EU (([EU](#)) 2016/679). In the framework of this new General Data Protection Regulation (GDPR), ISAH updated its data protection declaration.

Please, visit our website for more details about personal data processing.

Your data are stored and maintained by the ISAH Secretariat. On issues regarding your data you can contact the ISAH Secretary or any of the other members of ISAH's Executive Board. ISAH is a non-profit organization for the promotion of research and application of the principals of animal hygiene. Only you and ISAH benefits from your personal data.

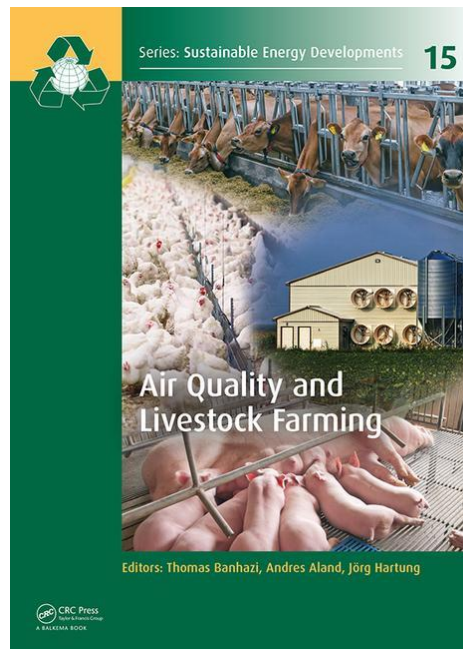
If you want to unsubscribe to our Newsletter and from ISAH information, please contact ISAH Secretary ([christelle.fablet@anses.fr](mailto:christelle.fablet@anses.fr)).

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## Publications

### 4th ISAH book: "Air Quality and Livestock Farming"



Associate professor Thomas Banhazi, Lecturer Andres Aland and Professor Jörg Hartung have edited the 4<sup>th</sup> book under the auspices of ISAH! There is in total 22 principal chapters covering the wide and important topic of air quality in livestock buildings. It addresses the raising awareness of the importance of optimal health and welfare for livestock species and provide-up-to-date information for professionals involved in modern animal production. With many contributions from internationally acknowledged specialists and researchers from Europe, Australia and U.S.A, the book is available since June 2018.

***To read the description, to learn more about the contents and editors, and to buy one to multiple copies, please visit:***  
<https://www.crcpress.com/Air-Quality-and-Livestock-Farming/Banhazi-Aland-Hartung/p/book/9781138027039>



## *Proceedings of 69th Annual Meeting of the European Federation of Animal Science (EAAP)*

It was held in the city of Dubrovnik (Croatia) from **27th to 31st August 2018**. **Around** 1000 participants from more than 50 countries took part in the meeting this year.

The meeting 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 provided insights into the latest research results from many areas of animal science.

Every year, the Annual meeting is a unique opportunity for scientists and industry to meet and acquire new knowledge and to exchange experience. Carried out through many sessions, plenary meeting, a poster and exhibition presentations, and discussions about scientific achievements in the European and world livestock production, the 69<sup>th</sup> Annual Meeting gave another 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.

*Interested in the book of proceedings?*

*Please visit the dedicated webpage:*

<http://www.eaap2018.org/abstract-submission/>

## *Proceedings of the International Symposium of Veterinary Epidemiology and Economics (ISVEE)*



The ISVEE is a global forum for interdisciplinary collaboration and communication among graduate students, postdoctoral fellows, practitioners, researchers, as well as policymakers, health, veterinary public health, social science, and animal health economic professionals, to learn and share with a vision of building a better life for veterinary epidemiology at the local, regional, and international levels.

The ESPHM held in Chiang Mai, Thailand, on 12 - 16 November 2018. It was the 15th edition of the symposium and over 700 participants from 70 countries took part in the event. The motto of this congress was “Learning & Sharing Today, Building Better Animal & Human Health Tomorrow”.

*Book of proceedings available on the dedicated webpage:*

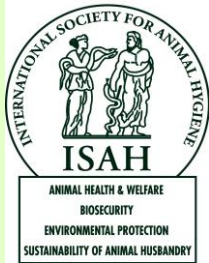
<http://isvee.net/>

*Publications of interest from ISAH members*

### *About pig production and animal hygiene*

► Fablet C., Rose N., Grasland B., Robert N., Lewandowski E., Gosselin M. 2018. Factors associated with the growing-finishing performances of swine herds: an exploratory study on serological and herd level indicators. *Porcine Health Management* 4, 6. <https://doi.org/10.1186/s40813-018-0082-9>





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## Job offer: PhD position

Universität Bern | Universität Zürich

### vetsuisse-fakultät In poultry and rabbit welfare in Switzerland

Division of Animal Welfare  
Veterinary Public Health Institute

Applications are sought for a PhD position to qualitatively evaluate novel and traditional behavioral observations including individual- and group-level tracking systems as welfare assessment tools when evaluating housing and behavior of chicken and rabbits. The student will be involved in experimental design, project coordination, daily project operations, in-depth data analysis using R, and delivery of results to the research community in the form of presentations at conferences and peer-reviewed journal articles.

The project is funded by the Swiss Federal Food Safety and Veterinary Office (FSVO) and will involve collaborators from the United Kingdom and Switzerland. Salary will be according to regulations of the Swiss National Science Foundation.

Further information about the Division of Animal Welfare and the Centre for Proper Housing: Poultry and Rabbits (ZTHZ) can be gained by visiting:

[http://www.tierschutz.vetsuisse.unibe.ch/research/research\\_groups/center\\_for\\_proper\\_housing\\_poultry\\_and\\_rabbits\\_zthz/index\\_eng.html](http://www.tierschutz.vetsuisse.unibe.ch/research/research_groups/center_for_proper_housing_poultry_and_rabbits_zthz/index_eng.html)

Applications should include a cover letter describing the candidate's background, qualifications and interest in the position, a detailed CV, and contact details of at least two reference persons.

**Deadline for applications is February 10th, 2019 and the expected start date of the project is April 2019** (although this is negotiable).

Please, send all application materials electronically to Lilian Smith: [lilian.smith@vetsuisse.unibe.ch](mailto:lilian.smith@vetsuisse.unibe.ch)

#### Further Information:

Dr. Yamenah Gómez

[yamenah.gomez@vetsuisse.unibe.ch](mailto:yamenah.gomez@vetsuisse.unibe.ch)

Phone: +41 (0)31 631 57 56

Contact Address:

ZTHZ, Burgerweg 22, 3052 Zollikofen, Switzerland

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## Forthcoming events

**19<sup>th</sup> ISAH Congress, 8<sup>th</sup> – 12<sup>th</sup> September 2019**  
**Wroclaw, Poland**



**Save the date!** The next ISAH congress will be hold in Wroclaw, Poland in September 8<sup>th</sup> - 12<sup>th</sup> 2019.

The ISAH 2019 Scientific and Organizing Committees do hope that You will join us and take an active part in all that we are offering. The Congress is a unique opportunity for industry and scientists to meet and acquire new knowledge as well as to exchange experience. With warm hospitality and more than enough facilities, we believe that it will be great success and unforgettable experience.

Now, we would like to invite you to submit a proposal for oral and poster presentation at the Congress.

### **IMPORTANT DATES**

**Abstract Submission deadline has been extended to December 31, 2018**

**Early Registration and Payment deadline is April 30<sup>th</sup> 2019**

**Selected papers of the Congress will be published in the “Annals of Animal Science”. According to the Journal Citation Report published in June 2018 (JCR 2018) the journal has an Impact Factor (IF) of 1.018.** Link to previous

volumes of Annals of Animal Science:

<http://www.izoo.krakow.pl/en/periodicals>

We are looking forward to welcome You in Poland with the motto of the Congress - **“Animal Hygiene as a Fundament of One Health and Welfare improving biosecurity, environment and food quality”**.

On behalf of the Organizing and Scientific Committees,

Associate Professor Dr Sebastian Opaliński

*Chairman of the XIX ISAH Congress*

*and ISAH ORGANISING VICE PRESIDENT*



[www.isah-soc.org](http://www.isah-soc.org)

# e-news

**International Society  
for Animal Hygiene**

**N° 003 - 2018**

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](mailto:christelle.fablet@anses.fr) and [joerg.hartung@tiho-hannover.de](mailto:joerg.hartung@tiho-hannover.de)

**Production staff:** ISAH EB

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