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e-news

International Society
for Animal Hygiene

N° 010 - 2022

SUMMARY

Dear members and friends of ISAH,

Please find the actual ISAH mid-year e-Newsletter. As the summer time begins, ISAH returns to bring you some new information about the society. This new e-Newsletter 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:

- letter from President,
- latest news from the Executive Board and ISAH members,
- announcements of interesting congresses and meetings,
- **ISAH congress in 2022, from 5th to 7th of October.**

We also take the opportunity to ask you kindly for checking the status of your membership fee. Please look on page 13 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 (15 to 21).

Don't miss the unique opportunity to meet the ISAH circle of influence this year. The 20th ISAH congress will be held in Berlin, Germany from 5th to 7th of October, 2022.

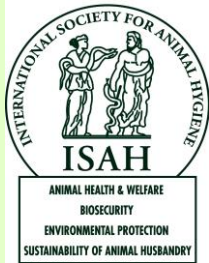
SAVE THE DATE!!!



Stay healthy with the goddess Hygiea and I wish you all a relaxing summer time!

Enjoy reading the Newsletter of our Society!

Dr Christelle Fablet - General Secretary of ISAH



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EDITORIAL

By the President

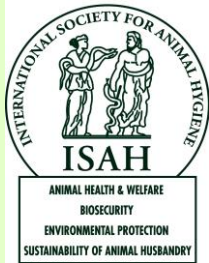
Dear members of ISAH, colleagues and friends around the world,

Unbelievable - war in Ukraine, war in Europe. Six months ago, nobody could have imagined that there would really be war in Europe again.

This war of aggression against the Ukraine is a breach of civilization that we thought we had overcome since the atrocities of World War II, which we must never forget, with millions of dead, refugees and displaced persons, (including me when I was a small child). "Never again war", "Create peace without weapons" were the postulates that largely preserved peace in Europe for almost 77 years. Today, we have to learn (again) that experiences cannot or only with difficulty be transferred from generation to generation. It reminds me of the ironic-cynical poem by the author Günter Kunert (*1929-2019):

*About some survivors of the war:
As the human
under the rubble
of his
bombed house
was pulled out,
he shook himself
and said:
Never again - at least not immediately.*

The criminal war of aggression against the Ukraine means a turning point for the whole planet, the only one we, as mankind, have at our disposal. The negative effects can be felt around the world. Shortage of food will create hunger, robbery and destruction, pain, suffering and death, social and mental



neglect, cruelty and injustice – that is what history teaches us since hundreds of years. Are we able to learn?

And what can we do? Yes, we donate money to support those in need, deliver food and medicine, provide shelter for refugees, yes, and supply weapons and ammunition. All that is certainly correct and necessary.

Preventing such conflicts, however, requires more, more international cooperation, more understanding across borders and language barriers, listening and not knowing always better, dealing with arguments, even if they are not your own, convincing through real solidarity and the formation of friendships between people and nations. One thing is absolutely clear: preventing a war is worth more than a thousand insurmountable victories.

However, the war in Ukraine may not disguise the other urgent issues in the world. The SARS-Cov-2 pandemic is not yet over. The virus re-appears in slightly modified variants that work for his survival. Confirmed total global Covid-19 cases have surpassed the number of 537 million and more than 6.3 million people died by and with COVID-19 (16 June 2022, JHU). About 11.9 billion vaccine doses have been administered but the pandemic is still there and threatens with its new mutants the social and economic life in many countries. It seems that we have to live with the virus using more consciously hygienic measures like wearing breathing masks and prudent disinfection.

African Swine Fever continues to threat pig farming. Biosecurity measures remain indispensable. The worldwide increasing antibiotic resistance of infectious agents threatens the health and therapy concepts in many countries and demonstrates the importance of the One Health concept comprising human, animal and environmental health around the planet.

These and equally important topics such as animal welfare, modern animal farming technologies and digital tools for Precision Livestock Farming (PLF) will be discussed and communicated **during our 20th ISAH Congress from October 5th to 7th, 2022 in Berlin.**

It is wonderful that we have after 2 years of pandemic a congress again with physical participation where we can meet, speak, and eat together,



exchanging ideas and opinions and initiate new research cooperation and projects.

I cordially invite you all to Berlin. The congress will be held in lecture halls of the brand new Veterinary Centre for Resistance Research (TZR = Tiermedizinisches Zentrum für Resistenzforschung) of the Veterinary Faculty of the Free University of Berlin. This 20th ISAH Congress will be a highlight in our long congress series and for the first time performed as hybrid. For further details and actual news, please visit our ISAH webpage: <https://isah-soc.org/>.

I hope to see as many as possible in Berlin, the town of freedom.

In friendship
Yours faithfully

Professor Dr. med. vet. Dr. h. c. mult. Jörg Hartung
President of ISAH

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News from the Society



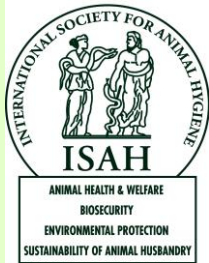
General Session of the World Assembly of OIE Delegates – 2022

short Report by Jörg Hartung

Due to the COVID-19 pandemic, the 89th Annual General Session of the World Assembly of National Delegates to the World Organisation for Animal Health (WOAH, former OIE) held virtually from **23th to 26th May 2022**. ISAH President and Prof. Uwe Rösler took part in the online event.

Some important topics:

- ♦ **New name: WOAH** World Organisation for Animal Health. The new name was controversially discussed, but at the end decided. Oie means in French “goose”, which may lead to misunderstandings.
- ♦ **Implementing stronger biosecurity** to avoid disease spread to new areas.
- ♦ **A gateway to resilience:** integrating animal health in emergency management
- ♦ **African swine fever.** In total, since January 2020 ASF has been reported as present in five different world regions (Africa, Europe, Americas, Asia and Oceania) in 39 countries (some were speaking of 50 countries), affecting more than 1,119,000 pigs and more than 35,400 wild boars



with more than 1,849,000 animal losses. Migration speed was given by 32 km/month, a far spread between 4 and 96 km/month.

- ♦ **An update on avian influenza and SARS-COV-2** in relation to animals.
- ♦ The role of **Veterinary Services** and **Aquatic Animal Health Services** in addressing animal health emergencies.
- ♦ Stepping up **dog population management** to achieve **rabies elimination**. Efficient dog population management. Control and elimination of dog-mediated rabies.
- ♦ **Turning the tide in aquatic animal diseases** with better surveillance. Improved surveillance of aquatic animal health can positively impact on production and trade of aquatic animal products.
- ♦ Prevent spread and transmission of infectious diseases by **trade and transport**.
- ♦ Further discussed was **terminology**: Who understands what under “**sanitary measures**”?

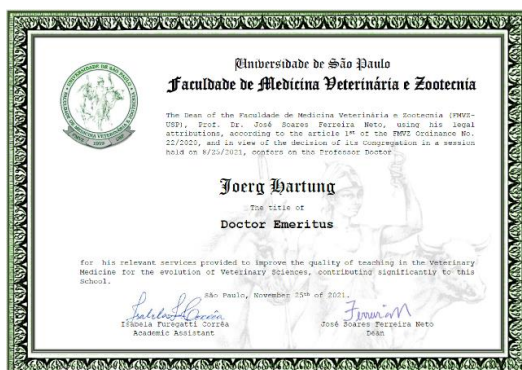
More information on the 89th General Session of the World Assembly OIE is available on the official WOAHA General Session website:

<https://www.woah.org/fr/evenement/89eme-session-generale-de-lassemblee-mondiale-des-delegues-nationaux-de-loie/>

Nominations

Professor Dr. Dr. h. c. mult. Jörg Hartung, President of ISAH

The Universidade de São Paulo, Faculdade de Medicina Veterinária e Zootecnia awards in name of the Dean of the Faculdade de Medicina Veterinária e Zootecnia (FMVZUSP), Prof. Dr. José Soares Ferreira Neto, and in view of the decision of its Congregation in a session held on 08/25/2021, Professor Doctor Joerg Hartung the title of **Doctor Emeritus** (Dr. h.c.) for his relevant services provided to improve the quality of teaching in the Veterinary Medicine for the evolution of Veterinary Sciences, contributing significantly to this School. Issued São Paulo, November 25th of 2021.



Certificate for the award of the honorary doctorate to Prof Dr h. c. Jörg Hartung



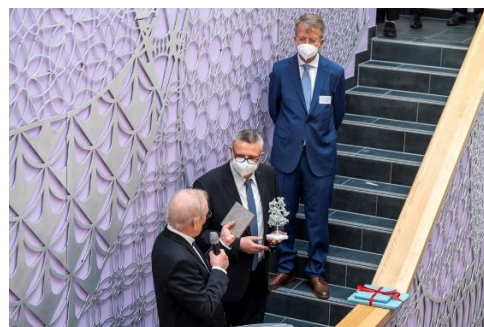
Presentation of the certificate for the award of the honorary doctorate to Prof Dr h. c. Jörg Hartung (middle) by Mr Thomas Timm (right), general secretary of the Câmara de Comércio e Indústria Brasil-Alemanha on behalf of Prof Dr José Soares Ferreira Neto, Dean of the Faculdade de Medicina Veterinária e Zootecnia (FMVZUSP) of the University of Sao Paulo (USP) in presence of Dr Gerhard Greif (left), President of the University of Veterinary Medicine Hannover, Foundation (TiHo), June 7, 2022 in Hannover, Germany.

***We warmly congratulate him for his third
Dr. honoris causa!***

Some activities of ISAH members in recent months

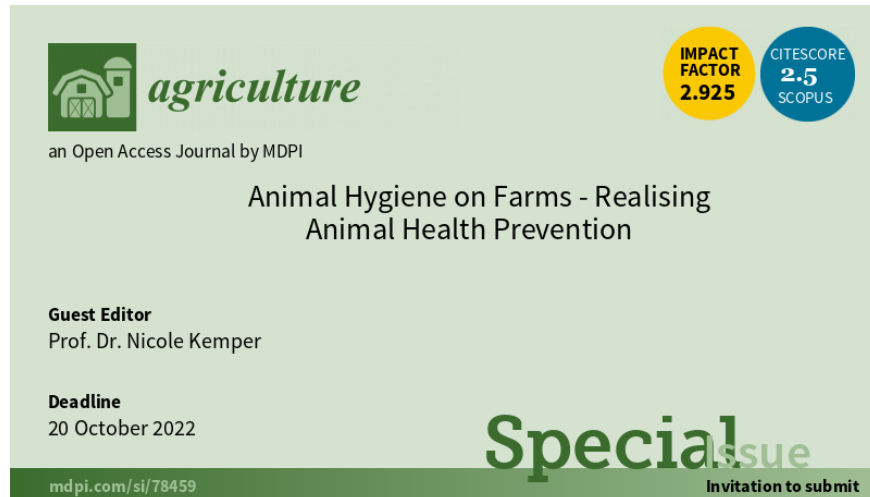
New Veterinary Center for Resistance Research in Germany

On 26.04.2022, the Veterinary Centre for Resistance Research (TZR) was ceremonially opened at the Freie Universität Berlin. **Prof. Dr. Uwe Harry Rösler**, member of the ISAH Board, Dean of the Faculty of Veterinary Medicine was one of the two applicants for the TZR. The opening ceremony was attended by numerous international and national guests as well as **Prof. Dr. Jörg Hartung**, President of the ISAH and his wife. The new research centre is dedicated, among other things, to researching prevention and intervention measures against antimicrobial resistance and infectious agents in livestock and pets.



Interested to know more? → The promo video is available [here](#)

***Congratulations to him & long & successful life to the
research center***



agriculture
an Open Access Journal by MDPI

**Animal Hygiene on Farms - Realising
Animal Health Prevention**

Guest Editor
Prof. Dr. Nicole Kemper

Deadline
20 October 2022

Special Issue
Invitation to submit

mdpi.com/si/78459

Our ISAH active member, **Prof. Dr. Nicole Kemper** (Institute for Animal Hygiene, University of Veterinary Medicine Hannover, Germany), is the **guest editor** of a **Special Issue of Agriculture (mdpi) on Animal Hygiene on farms**.

This Special Issue aims at showing the broad range and utmost importance of animal hygiene in livestock farming. In this Special Issue, new research on animal hygiene should be presented. Papers dealing with all livestock production systems, including aquaculture, can be submitted. Classic (i.e., disinfection, air hygiene) and new approaches (i.e., precision livestock farming and other innovative concepts) are welcome. Economic considerations and potential conflicting goals should also be taken into account.

Moreover, studies evaluating potential gaps in animal hygiene and ways to overcome identified shortcomings are of interest, as well as comprehensive review articles.

Prof. Dr. Nicole Kemper invites all of you to contribute by submitting your papers, with the aim of summarizing the successes, limitations, and ongoing challenges to realize animal hygiene in farms.

Call for papers is open until October 20, 2022.

Don't miss this unique opportunity to publish your valuable work!!!



News from research projects

Swedish ISAH member and former General Secretary of ISAH, **Associate Professor Dr. DVM Stefan Gunnarsson** (Swedish University of Agricultural Sciences, Skara, Sweden) coordinated two research projects on animal welfare:



“To rear pigs with intact tails”. This was the Swedish part of the EU project FareWellDock (<https://farewelldock.eu/>). The scientists wanted to gather information on how to produce pigs in the EU without tail docking or risking tail biting to facilitate EU producers to produce pigs with intact tails. In this work, Swedish producers and their experiences were an important part. The project gathered information on how Sweden produces pigs without tail docking and how pigs' behaviour and tail injuries are affected by giving them material (straw) to investigate.

More information available on:

<https://www.slu.se/en/departments/animal-environment-health/research/research-project/to-rear-pigs-with-intact-tails/>



FreeBirds was a three-year project performed in seven countries (DK, IT, NL, PL, SE, TR, and BE) and funded within Core Organic Co-fund (ERA-net).

FreeBirds aims to develop more successful husbandry practices in organic poultry production. The project focus on the free range access in both laying hens and broiler chickens.

Publications and research activities can be found on <https://www.slu.se/en/departments/animal-environment-health/research/research-project/freebirds/>

LivestockSenseⁱⁱⁱ

Assoc. Prof. Dr. **Thomas Banhazi** (University of Southern Queensland, Toowoomba, Australia), ISAH Country Representative for **Australia**, is coordinating a project:

“LivestockSense: Enhancing environmental sustainability of livestock farms by removing barriers for adoption of ICT technologies”.

The two-year-project is funded by ERANET ICT-enabled agri-food systems, and the project group is including scientists from Denmark, Estonia, Poland, Hungary, Austria, Israel, and Sweden.

The main objectives of the LivestockSense project are to:

- ♦ Improve the economic and environmental viability of livestock farms through application of advanced information and communication technologies
- ♦ Identify/remove social barriers for technology adoption to achieve a wider use of ICT on farms

These aims are currently being achieved by collaborating with a number of farms in 5 key geographical areas in Europe that are interested in using Precision Livestock Farming (PLF) tools. Both qualitative and quantitative surveys are used to understand farmers’ attitudes towards PLF tools to identify barriers for the limited adoption of ICT based technologies. By end of the project (in 2023), recommendations will be made to remove or reduce the impact of those barriers. The likely economic and environmental benefits associated with technology adoption will also be incorporated in a learning database and associated website using ICT tools for decision support.

For more information, please visit:

<https://livestocksense.eu/>



Educational programme



ISAH would like to inform you about the new **Master's Programme** in '**Precision Animal Health**' to be offered at the University of Veterinary Medicine, Vienna (Austria) starting this fall.

The new 2 years master's programme focuses on the management of animal health and digitalisation and is designed for students interested in further education at the interface between veterinary medicine, animal husbandry, animal production and modern, information-driven technologies.

For more information please check out www.vetmeduni.ac.at/pah

See also this [brochure](#) & [video](#).

If you would like to join the Master's Programme already this year, registration is still possible until July 10th, 2022.



Join ISAH:
*become a member of a community of science
& 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.

Please mind, only those having fully paid their membership for 2022, 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



Thank You

ISAH would like to thank all those members who have dutifully paid their membership fee for the current year!

We are truly grateful for your contribution!

Please

All others we would kindly remind to check their balance and settle outstanding dues 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 relaxing mid-year holidays and hopes to see you in Berlin in October!

Stay safe and have a great summer!





*20th ISAH Congress, Berlin, Germany – October,
5th to 7th, 2022*

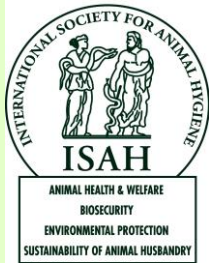
Save the date!

The next ISAH congress will be held in a hybrid format in Berlin, Germany, from 5th to 7th of October, 2022.

The Congress is dedicated to current, worldwide important topics of infection prevention in animal husbandry, animal hygiene, animal welfare and environmental protection in animal husbandry.

Specific topics are:

- Infectious diseases (including COVID-19) and Antimicrobial Resistances in the One Health context
- Pig production: infectious diseases (e.g. ASF) and disease preventing measures
- Poultry production: infectious diseases and non-infectious issues, novel technologies
- Farming systems with outdoor access - welfare and biosecurity
- Animal welfare - recent developments
- Free topics (in animal hygiene)



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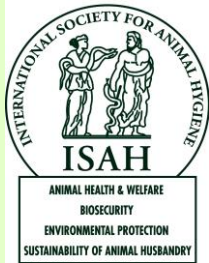
For these topics, we have been able to attract **internationally leading experts** as keynote speakers.

Led by the mission of ISAH to promote animal health, food safety and sustainable animal production in **developing countries**, we would like to offer the **online participation as free of charge** for participants from developing countries ([list of countries](#)).

For more information on the ISAH 2022 Congress, [click here](#).

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

In Press

Practical Precision Livestock Farming book 'Hands-on experiences with PLF technologies in commercial and R&D settings'

T. Banhazi, V. Halas and F. Maroto-Molina

***published by Wageningen Academic Publishers
by late August or early September***

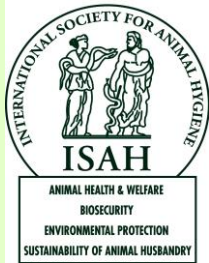
Assoc. Prof. Dr. **Thomas Banhazi**, ISAH Country Representative for **Australia**, is the co-editor of a new book related to Precision livestock farming (PLF) technologies. The book will be published in late August or early September 2022. **Stay tuned to book this new PLF bible!**

SYNOPSIS

PLF technologies have been promoted heavily in recent years and they do have the potential to revolutionise livestock production as we know it. However, a lot of technical challenges have to be solved before these technologies will supply the desired information reliably and consistently on farms. In addition, there is a gap appearing increasingly between what is proposed and what is actually implemented on farms.

This practical PLF book has brought together authors from 16 countries to report on the actual practical experiences technology developers and users had under either commercial or at least research farm conditions. This book is aimed at eliminating the 'mystery' behind these 'Smart' technologies and presents the hard facts reported by individuals who have had practical experiences with PLF technologies. This book will benefit livestock producers, animal scientists, veterinary practitioners, agricultural engineers, academics, researchers, equipment manufacturers and consultants alike. It aims to help livestock professionals to optimize the production efficiency, health, and welfare of domesticated animals, as demanded by society in these days. Ultimately the PLF management tools advocated in this book will help to ensure the long-term sustainability and viability of livestock production worldwide.





Publications

Of interest from ISAH members

About cattle production & animal hygiene

- ▶ Ji., B., Banhazi, T., Phillips, C. J.C., Wang, C., Li B. (2022) A machine learning framework to predict the next month's daily milk yield, milk composition and milking frequency for cows in a robotic dairy farm. *Biosystems Engineering*, 216(2):186-197; <https://doi.org/10.1016/j.biosystemseng.2022.02.013>
- ▶ Souillard R., Grosjean D., Le Gratiet T., Poezevara T., Rouxel S., Balaine L., Macé S., Martin L., Anniballi F., Chemaly M., Le Bouquin S., Le Maréchal C., 2021. Asymptomatic Carriage of *C. botulinum* Type D/C in Broiler Flocks as the Source of Contamination of a Massive Botulism Outbreak on a Dairy Cattle Farm. *Frontiers in microbiology* 12, 679377

About pig production & animal hygiene

- ▶ Delsart, M., Fablet, C., Rose, N., Reperant, J.M., Blaga, R., Dufour, B., Pol, F. 2022. Descriptive epidemiology of the main internal parasites on alternative pig farms in France. *Journal of Parasitology*. 108 (3). doi: 10.1645/21-126.
- ▶ Huneau-Salaün A., Bougeard S., Balaine L., Eono F., Eveno É., Guillermic M., Thomas R., Rose N., Pol F., 2021. Do Rubber Floor Mats Prevent Lameness in Gestating Sows Housed in Large Groups? A Field Experiment on Three Commercial Farms in France. *Animals*, 11, 3160.
- ▶ Luo L, van der Zande LE, van Marwijk MA, Knol EF, Rodenburg TB, Bolhuis JE, Parois SP. Impact of Enrichment and Repeated Mixing on Resilience in Pigs. *Frontiers in Veterinary Sciences*. 2022; 9:829060. doi: 10.3389/fvets.2022.829060. PMID: 35400108; PMCID: PMC8988148.
- ▶ Parois SP, Van Der Zande LE, Knol EF, Kemp B, Rodenburg TB, Bolhuis JE. Effects of a Multi-Suckling System Combined With Enriched Housing Post-Weaning on Response and Cognitive Resilience to Isolation. *Frontiers in Veterinary Sciences*. 2022; 9:868149. doi: 10.3389/fvets.2022.868149. PMID: 35478601; PMCID: PMC9035994.

- ▶ Parois SP, Van Der Zande LE, Knol EF, Kemp B, Rodenburg TB, Bolhuis JE. A multi-suckling system combined with an enriched housing environment during the growing period promotes resilience to various challenges in pigs. *Scientific Reports*. 2022; 12(1):6804. doi: 10.1038/s41598-022-10745-4. PMID: 35474326; PMCID: PMC9043182.

About poultry production & animal hygiene

- ▶ Briand F.-X., Niqueux E., Schmitz A., Martenot C., Cherbonnel M., Massin P., Kerbrat F., Chatel M., Guillemoto C., Guillou-Cloarec C., Ogor K., Le Prioux A., Allée C., Béven V., Hirchaud E., Blanchard Y., Scoizec A., Le Bouquin S., Eterradosi N., Grasland B. 2021. Highly Pathogenic Avian Influenza A (H5N8) Virus Spread by Short- and Long-Range Transmission, France, 2016–17. *Emerging Infectious Diseases* 27.
- ▶ Chakraborty D., Guinat C., Müller N.F., Briand F.-X., Andraud M., Scoizec A., Le Bouquin S., Niqueux E., Schmitz A., Grasland B., Guerin J.-L., Paul M.C., Vergne T. 2021. Phylodynamic assessment of control measures for highly pathogenic avian influenza epidemics in France. In *bioRxiv*, 2021.2006.2023.449570
- ▶ Horie M., Yang D., Joosten P., Munk P., Wadepohl K., Chauvin C., Moyano G., Skarżyńska M., Dewulf J., Aarestrup F.M., Blaha T., Sanders P., Gonzalez-Zorn B., Wasyl D., Wagenaar J.A., Heederik D., Mevius D., Schmitt H., Smit L.A.M., Van Gompel L. 2021. Risk Factors for Antimicrobial Resistance in Turkey Farms: A Cross-Sectional Study in Three European Countries. *Antibiotics*, 10, 820
- ▶ Olejnik, K., Popiela, E., & Opaliński, S. (2022). Emerging Precision Management Methods in Poultry Sector. *Agriculture*, 12(5), 718. [Agriculture | Free Full-Text | Emerging Precision Management Methods in Poultry Sector \(mdpi.com\)](#)
- ▶ Spieß, F., Reckels, B., Abd-El Wahab, A., Ahmed, M. F. E., Sürrie, C., Auerbach, M., Rautenschlein, S. Distl, O., Hartung, J., Visscher, C. (2022): The Influence of Different Types of Environmental Enrichment on the Performance and Welfare of Broiler Chickens and the Possibilities of Real-Time Monitoring via a Farmer-Assistant System. *Sustainability* 2022, 14, 5727. <https://doi.org/10.3390/su14095727>.

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Forthcoming events



EAAP

European Federation
of Animal Science

73rd Annual Meeting of the European Federation of Animal Science (EAAP)



Porto, Portugal - September 5-9, 2022
Alfândega do Porto Congress Centre

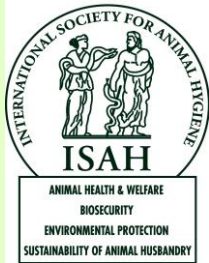


For decades, the Annual Meeting has hosted scientists and experts from the field of animal science, not only from Europe but also from other countries around the globe. The EAAP Congress provides insights into the latest research results from many areas of animal science. It is a unique opportunity for 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 **2022 Annual Meeting** will be held in Porto from **5th to 9th of September**. **Physical meeting still is the preferred option with** a comprehensive health protection scheme to avoid any health risks. However, to cover all sanitary situations due to COVID-19 restrictions, sessions will be streamed.

*Interested in the congress?
Please visit the dedicated webpage:*

<https://eaap2022.org/>



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26th World Poultry Congress (WPC)



The World's Poultry Science Association (WPSA) organized every four years a World's Poultry Congress (WPC). This Association is a long established and unique organization that strives to advance knowledge and understanding of all aspects of poultry science and the poultry industry. Its major role is to encourage, and help facilitate, liaison among research scientists and educators, and between those in research and education and those working in the many diverse sectors of the industry.

First WPC held in the Hague, the Netherlands in 1921. The spirit of international collaboration established at that time has continued to be a strong characteristic of the WPSA ever since. From the first, these scientific and technical events have been associated with exhibitions of poultry and the commercial sector, so helping to strengthen the bridges between science and practice.

The next WPC will be held in Paris, France, from August 07th to 11th 2022.

Interested in getting more information? Please follow this link:

<https://wpcparis2022.com>

Don't miss all these events scheduled in 2022!!!

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.iR@tiho-hannover.de

Production staff: ISAH Executive Board