Universities Federation for Animal Welfare

Annual Report 2022–2023

UFAW

SCIENCE IN THE SERVICE OF ANIMAL WELFARE

Welcome from our Chief Executive

One of our most important functions is to disseminate animal welfare research findings as widely as possible so that they can be used to make real-world improvement to the lives of animals. This year we have been actively pursuing this mission in many ways which you can read about in this report.

Once again, our online animal welfare conference was a huge success, attracting a large global audience to hear about the usual eclectic mix of welfare research on a vast range of species. I was particularly intrigued to listen to talks on the welfare of insects which illustrate the ongoing debate about which species are sentient and therefore worthy of our concern for their welfare.

At our conference we welcomed many delegates from the Global South. Encouraging participants from these countries is crucial if animal welfare is to improve in these regions. For that reason, we offer free registration to people from the poorest countries. Your generous support enables us to ensure that everyone, no matter where they are from, has the chance to participate in our meetings.

Another key route for disseminating animal welfare science is our peer-reviewed journal *Animal Welfare*. At the start of this year the journal became a fully Open Access journal which means that the journal is now freely accessible online to anyone who wants to read the content. This is a huge step forward for the Journal which was previously only accessible to those who paid to subscribe.

As well as disseminating research, we aim to support the next generation of animal welfare scientists. I am extremely proud of our mentoring scheme which pairs students with early-career researchers. The scheme has been an enormous success since its recent launch, enabling students to undertake their first research projects with support not just from their supervisors but also from an external mentor. This scheme is allowing students to become the next generation of animal welfare researchers and providing invaluable experience to allow their mentors to further their careers. Many thanks to all of you who donated to our 2022 Autumn Appeal in support of this scheme.

Making animal welfare science accessible to all, whether as the consumers of the research or as the researchers themselves is central to our mission, but it is also expensive. None of the work I've described could have happened without our supporters and donors and there is enormous scope for us to do more with your support. Thank you to all of you who make our work possible through membership, donations and legacies.

Dr Huw Golledge
Chief Executive & Scientific Director

Our **vision** is of a world where the welfare of every animal affected by humans is maximised through a scientific understanding of their needs and how to meet them.

Our **mission statement**

DISCOVER what matters to animals

DEVELOP scientific solutions to animal welfare problems

DISSEMINATE evidence-based animal welfare information

Chairman's comment

Welcome to UFAW's annual report for 2022-23. As you will see, it has been another busy year for us as we continue to work towards a world where the welfare of every animal affected by humans is maximised through a scientific understanding of their needs and how to meet them. One of the ways in which we do this is through disseminating evidence-based animal welfare information as widely as possible. Our comprehensive programme of events (page 6) and the move of our official journal, *Animal Welfare*, to be fully Open Access (page 14) demonstrate our commitment to doing just that.

To ensure that our activities remain aligned with our mission and vision, it is essential that Council consists of people with a diverse expertise and a strategic focus. Our recent Council recruitment drive focused on enriching the board's diversity and we actively sought individuals with backgrounds in management, investment management, fundraising, animal welfare science and veterinary medicine.

I am delighted to introduce you to our new council members who joined the board following a vote of the membership at the 2022 AGM:

Emily Craven MA VetMB PGCertVPS MRCVS
Emily is a clinical vet with a production animal focus. She has always had an interest in ethics and welfare, including doing clinical research on pain perceptions in dairy cattle lameness. Emily is currently a member of the Animal Welfare Committee (AWC).

Dr Dorothy McKeegan BSc MSc PhD PGCAP
Dorothy is an animal welfare scientist and Senior Lecturer at the University of Glasgow. She has wide ranging research interests relating to animal welfare and animal ethics, with expertise in behaviour and neurophysiology and a particular interest in farm animal welfare. Dorothy is currently a member of the Animal Welfare Committee (AWC).

Paula Junqueira BSc (Hons), MBA, CFP®
Paula is an Executive Director at J.P. Morgan Private Bank in London and brings to the board extensive expertise in financial investment and management.

Emma-Louise Singh MCIOF (advDip)
Emma-Louise is an experienced fundraiser with over 17 years' of hands-on experience across multiple fundraising tactics, including: Trusts and Foundations, Events, Community and Corporate and in particular strategic fundraising development.

The following pages are testament to the scope and significance of UFAW's contribution to animal welfare, none of which would be possible without the dedication and professionalism of our staff and your continued support. Thank you.

Mike Radford
Chair of Trustees

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Grant funding

A crucial part of our work is facilitating advancements in the understanding and improvement of animal welfare. One of the ways that we do this is through our grants and awards schemes, supporting a diverse range of innovative projects (**ufaw.org.uk/grants**).

During 2022-23, we awarded
12 GRANTS

With a total spend of
£50,961

Is flight important for the welfare of captive birds?

When funds allow, we welcome applications for our Animal Welfare Research Award, which offers a substantial grant of up to £50,000. This fund is dedicated to support innovative research activities that aim to advance animal welfare or enhance our understanding of animal welfare issues.

In 2019, we awarded the grant to a project seeking to understand whether flight is important for the welfare of captive birds such as parrots. Upon completion of the project, we caught up with Emma Mellor, the postdoctoral researcher who worked on the project, to find out more about the findings:

Why did you want to study captive bird welfare?

For two reasons, the first relating to my research interests which have an evolutionary biology theme. I think about potential 'evolutionary mismatches' between species' evolved conditions, and those which captive individuals find themselves in, and whether these mismatches could cause welfare problems. For captive birds, flight is probably one of the most constrained natural behaviours. So logically, for species most reliant on flight in the wild, there could be an important mismatch between how they have evolved to behave and how captive individuals can behave.

The second reason is purely personal and not so intellectual! I think that bird welfare is still relatively understudied (unless you are a chicken) in comparison with other taxonomic groups. By focussing on less-studied species, I feel like our research is just that bit more valuable.

What did the research involve?

We took two approaches. First, we took an across-species phylogenetic comparative approach, assessing whether species differences in flight reliance helps explain species differences in welfare. For 193 parrot species common in captivity, we collated proxies for wild flight reliance, eg, hand-wing index (wide, rounded wings indicative of less reliance) and whether species were restricted to oceanic islands (those that are presumably less reliant, being physically restricted in how far they can fly). Next, we collected welfare-sensitive outcome data: prevalence of stereotypic behaviours and living conditions of 54 species kept as pets; captive hatch rates of 142 species in aviculture; and relative lifespans of zoo-housed parrots from 117 species. We then examined relationships between our wild flight-related predictors and welfare-sensitive outcomes. If flight is important to welfare, then we predicted that species most reliant on flight in the wild would have worse welfare in captivity.

For a subset of species, we took an epidemiological approach to look at potential individual-level risk factors for behavioural problems, focusing on flight provision. We tested whether flight opportunities during early life and in the current home, amongst other factors, helped explain stereotypic behaviour status. Here, we predicted that having flight opportunities would be protective against abnormal behaviours.

What did you find?

The complete opposite to what we predicted! Against predictions, our comparative study results revealed that being island-restricted is a risk factor for feather-damaging behaviour and whole-body stereotypic movements. None of our flight-related predictors predicted captive hatch rates or relative lifespans. Likewise, in our epidemiological study, opportunities for flight did not predict an individual's stereotypic behaviour status, but other risk factors did (eg, living in relatively unenriched conditions during early life).

Aside from our main research question, our epidemiological study did reveal something surprising. We have always excluded cockatiels from comparative analyses because they are semi-domesticated, but we included them in our epidemiological study. In doing so, we found that 48% of cockatiels reportedly had whole-body forms of stereotypic behaviour – the highest prevalence across all species included in our study.

Based on your findings, what are your recommendations for pet parrots?

Most people, unless very experienced and able to meet the complex welfare needs of these birds, should probably avoid choosing island-dwellers as pets (eg, white cockatoos and sulphur-crested cockatoos). Our epidemiological findings also indicate other factors to consider when choosing and housing parrots, eg, how important an enriched, varied environment is, especially when birds are young.

We want to stress that just because our flight metrics did not predict welfare as expected, it would be wrong to conclude that keeping birds in cramped, restrictive conditions is acceptable. Evidence shows that such conditions cause welfare harms to parrots (even if not because of flight restriction), and flight provides exercise opportunities that might give health benefits. We also cannot rule out two things: that our wild flight predictors just did not function well as proxies; and our null results being consistent with flight being *equally* important for welfare across all species. But placing our results alongside how wild birds use flight (eg, food search, escaping predators), though, could imply that flight is mainly functional. And perhaps if those triggers are (mainly) not present in captivity, having flight restricted is not as frustrating as we might otherwise expect.

How important was the UFAW Animal Welfare Research Award to your work?

I can safely say it was absolutely essential! Without it, this work would have been impossible, so I am grateful to UFAW for giving me the chance to satisfy my own intellectual curiosity, at the same time as furthering my career – thank you.

© Leonie Jacobs

Exploring the effects of breed and housing complexity in meat chickens

Poor welfare in commercial broiler (meat) chickens has been linked to both fast-growing breeds and being housed in a barren environment. Such welfare issues can impact a large number of birds due to the vast scale of commercial broiler production. **Dr Leonie Jacobs** (Virginia Tech, USA) received funding from UFAW to examine the impact of body weight and environmental complexity on broiler chicken behaviour and welfare. Two breeds of chicken (fast-growing and slow-growing) and two housing conditions (high-complexity and low-complexity) were assessed. As well as showing improved welfare in slow-growing breeds, the findings show that both fast- and slow-growing breeds may benefit from increased environmental complexity. By providing practical advice for farmers, this project has the potential to improve the welfare of millions of chickens annually.

Events

Our programme of meetings serves as a valuable platform for exchanging the latest advancements in animal welfare science and cultivating networking and collaboration opportunities. Some notable highlights from the 2022-2023 meetings are summarised on this page. You can also watch the recordings of many of our meetings at **ufaw.org.uk/recordings**.

UFAW Online Animal Welfare Conference 2023

We were thrilled to have 467 participants register for the UFAW Online Animal Welfare Conference 2023, which took place on 20-21 June. The conference featured a comprehensive programme comprising eight sessions spread across two days, including 39 submitted talks and more than 90 posters covering a broad range of species and topics. Delegates also heard from two keynote speakers: Dr Beth Ventura (University of Lincoln, UK) explored how we can improve the likelihood that discoveries about animal welfare are actually implemented in her talk '*Animal Welfare: The elephant in the room is us*', whilst Professor Lars Chittka spoke about his work testing if bees and other insects have emotion-like states in his talk '*Bee Sentience and its Welfare Implications*'.

Holding the conference online allowed us to engage with a diverse global audience, and we were delighted to welcome delegates from 63 countries. This approach not only facilitated a broader spectrum of perspectives, but also aligned with our commitment to minimising our environmental footprint. In the future, we plan to alternate between online and in-person conferences to ensure that delegates can continue to benefit from the invaluable networking opportunities provided by our in-person events.

The recordings of all talks will be made available on our YouTube channel shortly. The full programme booklet is available for download at **ufaw.org.uk/ufaw2023**.

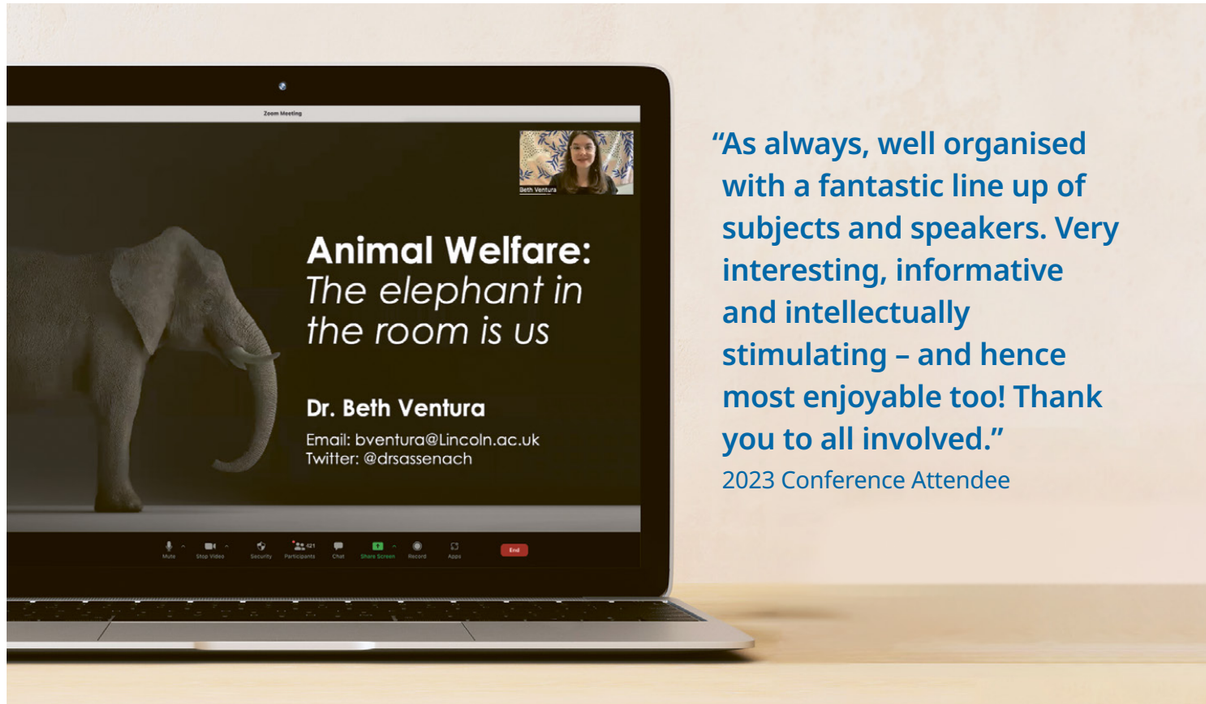
63
countries' delegates in attendance

467
online participants

2
keynote speakers

39
submitted talks

90
poster presentations



"As always, well organised with a fantastic line up of subjects and speakers. Very interesting, informative and intellectually stimulating – and hence most enjoyable too! Thank you to all involved."
2023 Conference Attendee

Award winners

At the event, we had the privilege of presenting the 2023 UFAW Awards to our deserving recipients. The awardees were given the opportunity to showcase their work through engaging presentations during the conference.

UFAW Medal for Outstanding Contributions to Animal Welfare Science

The UFAW Medal is awarded to an individual scientist in recognition of their exceptional accomplishments in advancing the field of animal welfare science through impactful research, teaching, service and advocacy work over several years. The 2023 award winner was Per Jensen, Professor of Ethology at Linköping University, Sweden.

Throughout his career, Professor Jensen has consistently produced some of the highest quality, most innovative research in domestication, epigenetics and stress. He has ensured that the findings of his work have been shared widely through the publication of peer reviewed papers and books, and by presenting to both scientific audiences and the general public. You can read more about Per's contribution to animal welfare science at **ufaw.org.uk/medal23**.

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UFAW Early Career Animal Welfare Researcher of the Year Award

The Early Career Animal Welfare Researcher of the Year Award celebrates the significant achievements of scientists who have made significant contributions at an early stage of their career (within 6 years of completing their PhD) to improving the welfare of animals. Dr Sara Hintze (University of Natural Resources and Life Sciences, Vienna, Austria) and Dr Jordan Hampton (Universities of Melbourne and Murdoch, Australia) were joint recipients of the 2023 award for championing dissemination of their work to ensure that animal welfare can be improved on a large scale. Further information about both Dr Hintze and Dr Hampton's work can be found at **ufaw.org.uk/ecr23**.

Photo: © Mia Cobb & Sara Hintze © Janja Sirovnik

Other events

Controversies and Collaboration: Moving Toward Consensus in Animal Welfare UFAW Indo-Pacific Asia Online Workshop 2022

December 2022

UFAW hosted a free online workshop, scheduled to consider the time zones of the Indo-Pacific Asia region, allowing researchers from that area to present their work to a global audience.

The workshop's objective was to facilitate discussion and collaboration on controversial animal welfare topics by presenting a range of opinions and perspectives. To enhance accessibility, all sessions were recorded and made available online for later viewing.

The workshop was offered free of charge to attendees with the option to make voluntary donations to support the associated costs. We are grateful for the participation of 269 individuals who registered for the workshop, and their generosity resulted in £5,279 in donations.

Recordings of the talks are available on the UFAW meetings YouTube channel **tiny.cc/hv0avz**.

RSPCA/UFAW Rodent Welfare Group Meeting

November 2022

We welcomed more than 50 attendees to this one-day seminar run in conjunction with the Royal Society for the Prevention of Cruelty to Animals (RSPCA). Topics such as inducing and assessing positive affective states, rehoming of laboratory rodents, humane killing and reducing suffering were discussed.

2023 marks the 30th meeting of the Rodent Welfare Group which, this year, will be held in-person in London on 31 October 2023. More information is available on our website **ufaw.org.uk/rodent23**.

Providing expert advice

UFAW provides information and advice on the welfare of domestic and wild animals. Our expertise is sought by government departments, non-governmental organisations, universities and other entities. We are frequently consulted on draft legislation, guidelines and codes of practice pertaining to animal welfare.

This involvement enables us to engage with decision-makers and provide them with information that can contribute to tangible improvements in animal welfare worldwide. UFAW's approach is pragmatic and evidence-based, ensuring that our responses to consultations advocate for the consideration of animal welfare.

In the past year, we have actively responded to five consultations on various animal welfare issues, including:

Scientific Opinion on the Protection of Calves (by EFSA Animal Health and Welfare (AHAW) Panel)

Whilst the report provided a comprehensive review of the topic, we highlighted some areas that could be strengthened by referencing scientific research. These areas included the risks of individual housing, insufficient space and limited cow-calf bond.

Inclusion of new indicators in the Business Benchmark on Farm Animal Welfare (BBFAW)

In response to the consultation, we expressed our support of the BBFAW, but highlighted concerns with some of the proposed new indicators. Some of the indicators proposed were not related to animal welfare, but were associated with ethical, societal, environmental and/or sustainability issues. To ensure clarity, we recommended renaming the benchmark if aspects of sustainability unrelated to animal welfare were to be included.

Animal Welfare Student Scholars 2023

Our Animal Welfare Student Scholarships scheme encourages university students to expand their knowledge of animal welfare science by engaging in a short research project. The initiative is a key component of UFAW's mission to address animal welfare challenges through scientific solutions and promote global interest in animal welfare science.

Over the past forty years, the scholarships have provided support and opportunities for over 450 students to gain firsthand experience in animal welfare science research. Building on this legacy, we are pleased to announce that in 2023, we will be supporting a further 10 scholars:

Zozianne Hoareau
Makerere University, Uganda

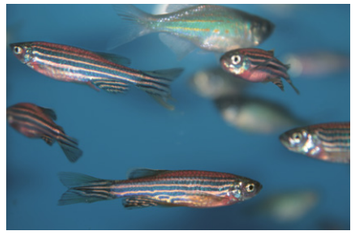
Assessing the welfare concerns of dogs sterilised at a free community clinic held in Kampala metropolitan area

Sofija Kostandinovaska
Ss. Cyril and Methodius University in Skopje, North Macedonia

Probiotic potential of *Bacillus* spp. and *Actinomyces* isolated from soil in the poultry industry

Alvaro Arroyave
University of Guelph, Canada

Use of pecking blocks as foraging enrichment for improvement of feather condition in enriched colonies



Sammy Berninger
University of Stirling, UK

Is netting a zebrafish a 'welfare no-no'? Refinement of handling methods for laboratory zebrafish

Sarah Ambruosi
AgroParisTech, France

Behavioural individuality and its implications for the social life of domestic pigs

Colette Chien
University of Edinburgh, UK

Contactless measurement of body temperature in rescued wild hedgehogs for health and welfare monitoring

Sarah Juárez
University of Veterinary Medicine Vienna, Austria

Evaluation of the impact of age and experience on chick's emotional response using computer vision algorithms

Martina Kröll
University of Natural Resources and Life Sciences (BOKU), Austria

Is someone there? How social support affects habituation, training and test results of piglets in a Judgement Bias Task

Gaia Serra
University of Padua, Italy, Supervisor: University of Zürich, Switzerland

Impact of current breeding practices on the health and wellbeing of breeding mouse dams

Florencia Barrios
University of the Republic, Uruguay

Stress in domestic cats: a multidisciplinary approach evaluating hair cortisol associated with coat colour, body temperature, temperament and cat-guardian bond

Animal Welfare Student Scholars 2022

As an integral part of the scholarship scheme, we host an annual virtual meeting, providing a platform for Scholars to present their research to their peers. This meeting serves as a valuable opportunity for Scholars to gain experience in effectively communicating their ideas and findings.

The 2022 cohort of Scholars met in December 2022, each delivering engaging presentations about their work. During the meeting, the Farm Animal Welfare Care Trust's (FACT) UFAW Ruth Harrison Scholarship was awarded to Helen Zobrist from the University of Natural Resources and Life Sciences Vienna, Austria, for her project titled: '*What does boredom mean for farmed pigs? The effects of environment and personality on negative valence as a symptom of boredom-like states*'. The scholarship, given in memory of Ruth Harrison, the author of *Animal Machines*, recognises the best project contributing to our understanding of farmed animal welfare.

Mentoring scheme

One of the ways in which we support the development of animal welfare science worldwide is through our Mentoring Partnership. The aim of the scheme is to pair a student with a more experienced mentor, who can then guide and support the student in the early stages of project planning. This helps to ensure that the student's research project has a solid scientific foundation. Both students and mentors benefit from the scheme through forging international connections and developing and refining skills relevant to their future career trajectories.

One successful pairing this year was between Sarah Robinah Nakabuye (Makerere University, Uganda) and Neila Ben Sassi (University of Guelph, Canada). Speaking about their experiences, Sarah said:

> **"This is a very great opportunity to venture into the research world as mentors can open doors to other opportunities! I encourage all students with interest in animal welfare to take it up."**

Neila added:

> **"Mentoring a student is always a learning experience. I would say go for it! Get to know about other groups skills, improve your own communication skills and your mentoring style. It is very fulfilling to empower someone else who is trying to find their way and gain experience in the field. It is also a great way to give back and contribute in building the community of animal welfare scientists."**

UFAW LINKS scheme

Our LINKS scheme is an international outreach initiative that encourages engagement with animal welfare science at a global network of participating universities and colleges. The scheme is an integral part of work to develop scientific solutions to animal welfare problems and to disseminate evidence-based welfare information.

We now have a total of

142 universities

42 countries in our LINKS network

In 2022-2023, we welcomed a further **11** links at institutions around the world including North Macedonia, Kenya and Vietnam to our LINKS network

This year, we funded **16** different activities

The scheme ensures that students and staff at participating institutions remain well-informed about UFAW's ongoing activities, grants, awards and other opportunities. Moreover, the scheme provides support for activities and events organised by the LINK Institutions themselves. This year, we funded 16 different activities including:

Pig welfare assessment student contest in Vietnam

Thanks to the support provided by the UFAW LINKS scheme, 60 third-year students participated in a contest organised by Vietnam National University of Agriculture. The students attended an initial workshop on pig welfare, after which they conducted research projects at pig farms. Their research focused on identifying welfare indicators in pregnant and farrowing/suckling sows, as well as weaners.

Following their research, the students presented their findings to both their peers and a committee of lecturers from the Faculty of Animal Science. Additionally, the students provided advice to farmers about improving their practices. Some of the recommendations made by the students have been successfully implemented by the farm staff resulting in improved pig welfare on those farms.

Animal welfare outreach

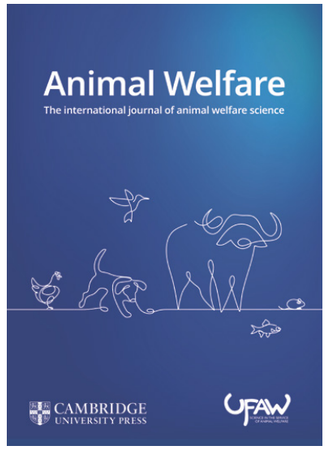
The Animal Welfare Club at Obafemi Awolowo University (OAU), Nigeria successfully held its inaugural meeting, with 85 students from OAU, Osun State University, University of Ibadan and Federal College of Animal Health and Production Technology, Moore Plantation, Ibadan in attendance. Students from three local secondary schools were also in attendance.

Three speakers delivered informative presentations that encompassed various aspects of animal welfare, including companion, laboratory and farm animals. The meeting concluded with a quiz for participating secondary schools as an opportunity to assess the students' understanding of the animal welfare topics discussed throughout the event.

85 students successfully attended the first meeting of the Animal Welfare Club at Obafemi Awolowo University (OAU), Nigeria

Publications

The dissemination of evidence-based animal welfare information is a crucial aspect of our work. One of the ways in which we do this is through our range of publications, including our scientific journal *Animal Welfare* and the UFAW/Wiley Blackwell Animal Welfare book series.



UFAW's journal *Animal Welfare*

On 1 January 2023, our scientific journal *Animal Welfare* became a Gold Open Access (OA) publication under a new partnership with Cambridge University Press (CUP). This means that all content published from that date is freely available for anyone to read, further serving our mission to disseminate evidence-based animal welfare information as widely as possible.

During 2022-2023 in *Animal Welfare:*

58 papers published

33 in 2022 under our old publishing model

25 in 2023 under our new OA model

Some highlights include:

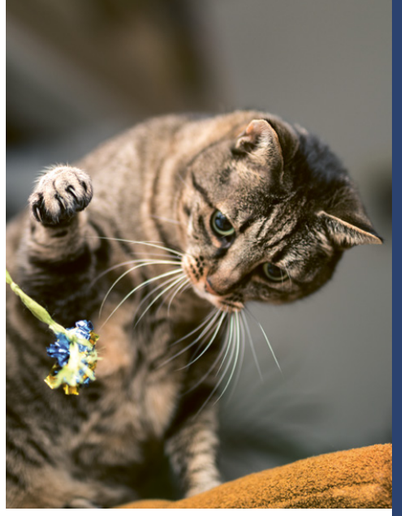
Rabbits as 'starter pets'

The inadequate level of care given to companion rabbits is often linked to the misconception that these animals are primarily suitable as pets for children or beginners. This Danish study utilised data from two surveys to test this hypothesis and explore current conditions for rabbits. The results were both enlightening and worrying. As hypothesised, most rabbits were acquired for children and kept alone, often in unsuitably small cages. Owners who perceived rabbits as 'starter pets' and with lower willingness-to-pay for veterinary treatment were more likely to house rabbits in restricted space, without provision of continuous gnawing opportunities or routine healthcare. Official education programmes explaining what constitutes suitable husbandry are needed to re-invent how pet rabbits are perceived and ultimately improve their quality of life.

Skovlund, C., Forkman, B., Lund, T., Mistry, B., Nielsen, S., & Sandøe, P. (2023). Perceptions of the rabbit as a low investment 'starter pet' lead to negative impacts on its welfare: Results of two Danish surveys. Animal Welfare, 32, E45. **doi:10.1017/awf.2023.41**

Cats just want to have fun

The importance of play in cats is widely recognised as being closely linked to their welfare. Despite this, a paucity of studies exist on the subject. In this study an online survey spanning 55 countries set out to investigate play-related factors associated with four welfare outcome measures. Cats with higher quality of life scores exhibited more playfulness and engaged in a greater number of games. Interestingly, when play was absent, behavioural changes indicating distress were reported.



Henning, J., Nielsen, T., Fernandez, E., & Hazel, S. (2023). Cats just want to have fun: Associations between play and welfare in domestic cats. Animal Welfare, 32, E9. **doi:10.1017/awf.2023.2**

Challenges in farmed insect welfare

Each year, more than a trillion individual insects are being farmed, and the industry continues to grow rapidly. In this paper, the authors identify several challenges faced by the intensive farming of insects and provide recommendations for addressing them. Due to a scarcity of knowledge and experts in the field of insect welfare, more information needs to be effectively disseminated to allow for the development of welfare assessment tools. Whilst modifying vertebrate livestock protocols can be helpful, it has limitations. Instead, the authors suggest considering more theoretical frameworks, such as the Five Domains model, which may offer better guidance. Given the large scale of insect farming enterprises, the authors highlight the need for caution when implementing new tools.

Barrett, M., & Fischer, B. (2023). Challenges in farmed insect welfare: Beyond the question of sentience. Animal Welfare, 32, E4. **doi:10.1017/awf.2022.5**

A volunteer Editorial Board of 15 Section Editors manages peer review for each submitted paper. We are extremely grateful to the Section Editors for their generosity in donating their time and expertise to support the peer review process.

In 2022-23, Dr Jen-Yun Chou and Dr Maria Diez-Leon joined the Editorial Board:

Dr Jen-Yun Chou is conducting a post-doctoral fellowship, hosted by Teagasc, Ireland and the University of Veterinary Medicine, Vienna, Austria. Her research interests include improvements to group-housed farm animal rearing environments, especially for sows, grower and finisher pigs, social communication and social structure of commercially farmed pigs, enrichment development for farm animals and welfare of farm animals at transport and slaughter.

Dr Maria Díez-León is a senior lecturer in animal welfare at The Royal Veterinary College (RVC), UK. Maria's work focuses on understanding the relative importance of early vs. current environment on adult animal behaviour as a key to ensure optimal welfare.

UFAW/Wiley Blackwell Book Series

In May 2022, we published a new book in our series titled ***Animal Welfare: Understanding Sentient Minds and Why It Matters*** authored by John Webster. The title explores the concept of sentience and the development of sentient minds through the animal kingdom.

We are excited to announce four upcoming titles in the series:

Wildlife Ethics: The Ethics of Wildlife Management and Conservation by Clare Palmer, Bob Fischer, Christian Gamborg, Jordan Hampton and Peter Sandøe is planned for publication on 21 September 2023.

Understanding Animal Welfare by David Fraser, 2nd edition, is scheduled for publication in Spring 2024.

The UFAW Handbook on the Care and Management of Laboratory and Other Research Animals edited by Huw Golledge and Claire Richardson, 9th edition is also planned for publication in Spring 2024.

Assessing Animal Welfare: A Guide to the Valid Use of Indicators of Affective States edited by Georgia Mason, Birte Nielsen and Mike Mendl is expected to be published in Spring/Summer 2024.

Appeals and legacies

Spring Appeal update

In Spring 2022, we asked for your help to subsidise registration for deserving individuals to attend the UFAW Online Animal Welfare Conference in June 2023. To ensure widespread participation, we waived the registration fee for delegates from eligible countries (Group A and B in the Research4Life scheme).

Thanks to your generosity, a total of 9 people were able to benefit from your support and attend the conference without any cost, enabling them to hear the latest updates in animal welfare science. We sincerely appreciate your contribution in making this opportunity possible for them.

Thanks to your support,
9 PEOPLE
were able to attend the conference for free

Autumn Appeal

At UFAW, we are committed to nurturing the next generation of animal welfare advocates, researchers and professionals. One way in which we do this is through our Mentoring Partnership, an initiative that connects students taking their first steps into animal welfare research with experienced scientists.

Since its launch in 2020, our Mentoring Partnership **(see page 11)** has successfully connected 13 mentees with mentors from around the world. Due to its success, we are now looking to expand the scheme to reach even more deserving students foster a strong community of dedicated animal welfare scientists globally.

Your contribution will enable us to match even more mentees with mentors who will share their valuable insights, experiences and guidance.

Visit **ufaw.org.uk/autumnappeal** to support the next generation of animal welfare scientists. Thank you for your generosity.

Legacy giving: your gift for generations to come

By considering a legacy gift to UFAW, you have the power to leave a lasting impact that will shape the future of animal welfare science and inspire generations to come. Your legacy gift will support innovative research, education and outreach programmes, improving animal welfare standards globally.

A special thank you

This year UFAW received
£123,328
in legacy gifts

We would like to extend our deepest gratitude to Hildegarde Hertz, Audrey Saunders, Rosamond Pratt, Margaret Walker, Sandra Thomson and Patricia Froud for the generous gifts to UFAW in their wills. Their legacy will forever be remembered and will enable us to continue our vital work making a real difference to the welfare of animals.

We extend our deepest condolences to all those who have been impacted by the loss of a loved one.

Ways to help: how your support transforms animal welfare worldwide

When you choose to donate, leave a lasting legacy, or become a member of UFAW, you are actively empowering our ongoing efforts to maximise animal welfare on a global scale.

Your generosity plays a pivotal role in supporting innovative research projects, facilitating impactful education and outreach initiatives, and fuelling our advocacy efforts. To support our work, please visit **ufaw.org.uk/support**.

Administration and finance

Finance and accounts

The summarised accounts set out have been extracted from the full accounts of the Universities Federation for Animal Welfare and have been prepared in accordance with the Companies Act 2006, which were approved by the Directors/Council and signed on its behalf on 23 August 2023.

The full accounts have been audited and the auditor's opinion was without qualification. The accounts will be filed with the Companies Registry and the Charity Commission after the Annual General Meeting on 15 November 2023.

Full accounts and the audit report can be obtained from the Charity Secretary, The Old School, Brewhouse Hill, Wheathampstead, Herts, AL4 8AN, UK.

Independent Auditors' Statement to the Council of the Universities Federation for Animal Welfare

We have examined the summarised financial statements that comprise the summary statement of financial activities and summary balance sheet.

Respective Responsibilities of the Trustees and Auditors
You are responsible as the Council for the preparation of the summarised financial statements. We have agreed to report to you our opinion on the summarised financial statements' consistency with the financial statements, on which we reported to you on 23 August 2023.

Basis of Opinion We have carried out the procedures we consider necessary to ascertain whether the summarised financial statements are consistent with the full financial statements from which they have been prepared.

Opinion In our opinion the summarised financial statements are consistent with the full financial statements for the year ended 31 March 2023.

Grant Franklin (Senior Statutory Auditor)
4 September 2023

for and on behalf Hillier Hopkins LLP and is eligible for appointment as auditor by virtue of its eligibility for appointment as auditor of a company under section 1212 of the Companies Act 2006

Annual General Meeting 2022

The AGM was held on 16 November 2022. There was the opportunity for members to watch proceedings online if they were unable to attend.

The notice convening the meeting had been sent to all members and was taken as read. The meeting agreed the Special Resolution 2022/1, Special Resolution 2022/2, Special Resolution 2022/3. Minutes of the AGM of 2021 were agreed and resolved to receive the Accounts and Auditor's Report for the year ended 31 March 2022. Questions on the report of the year's work were answered by the officials present and the meeting resolved that the Report and Accounts be received.

It was resolved that UHY Hacker Young, Registered Auditors, be appointed as auditors to UFAW and its associated Trusts and their remuneration should be fixed by Council.

Professor Richard Bennett and Dr Alison Enticknap, stood down under the rules regarding rotation, and offered themselves for re-election, and were re-elected. The following members offered themselves for election, Emily Craven, Paula Junqueira de Olivera, Dr Dorothy McKeegan and Emma-Louise Singh, all were elected.

Notice of Annual General Meeting 2023

The Annual General Meeting 2023 of the Universities Federation for Animal Welfare will be held at 14:00 on Wednesday 15 November 2023 at the Mothers' Union, Mary Sumner House, 24 Tufton Street, London, SW1P 3RB. The formal notice and agenda have been sent to all members and are available from the Secretary at the registered office.

UFAW Summary of Financial Activity Year Ended 31 March 2023

	2022/23 (£)	2021/22 (£)
Incoming Resources		
Voluntary Income	148,204	99,360
Charitable Activities	80,026	98,238
Investment Income	194,294	185,734
Total Incoming Resources	**422,524**	**383,332**
Resources Expended		
Costs of Generating Funds	70,888	102,760
Charitable Activities	567,200	540,173
Total Resources Expended	**638,088**	**642,933**
Operational (Outgoing)/Incoming Resources for the Year	**(215,564)**	**(259,601)**
Other Recognised Gains & Losses		
Net Realised Gain/(Losses) on Investments	144,230	444,926
Net Unrealised Gains/Losses on Market Value of Investments	(490,214)	(152,725)
	(345,984)	**292,201**
Net Movement of Funds	**(561,548)**	**32,600**
Balance Brought Forward	8,757,648	8,725,048
Net Movement of Funds	**(561,548)**	**32,600**
Balances Carried Forward	**8,196,100**	**8,757,648**

UFAW Balance Sheet Year Ended 31 March 2023

	2022/23 (£)	2021/22 (£)
Fixed Assets		
Tangible Fixed Assets	393,886	402,415
Investments	7,510,861	8,058,372
	7,904,747	**8,460,787**
Current Assets		
Debtors	30,683	35,111
Cash at Bank and in Hand	347,430	421,508
	378,113	**456,619**
Current Liabilities		
Creditors: Amounts Falling Due after More than One Year	(86,760)	(159,758)
Net Current Assets	**291,353**	**296,861**
Total Assets less Current Liabilities	**8,196,100**	**8,757,648**
Creditors: Amounts Falling Due after More than One Year	–	–
Net Assets	**8,196,100**	**8,757,648**
Funds		
Unrestricted	7,565,957	8,099,736
Restricted	630,143	657,912
	8,196,100	**8,757,648**

The summarised accounts were approved by Council and signed on their behalf on 23 August 2023

M R Radford OBE LLB
Chairman

C L McCann BSc ACA
Hon Treasurer

The summarised accounts set out here have been extracted from the full accounts and have been prepared in accordance the with Charities Act 2011

Legal and administrative information

Vice-Presidents
Lydia Brown MBE BVSc BA PhD FRSB MBA FRCVS
Professor Peter Holmes OBE BVMS PhD FRCVS FRSE
Bryan Howard BVMS PhD FRCVS
John Pratt BVM&S DVSM FRCVS
Gill Sales BSc PhD AKC MRSB DipTCDHE

Council (who are the Directors of the Limited Company):

Chair
Mike Radford OBE LLB [1]

Deputy-Chair
Emma-Louise Singh MCIOF (advDip) (from 08.02.2023) [2]

Honorary Treasurer
C McCann BSc ACA [1 3]

Members
Siobhan Abeyesinghe BSc MSc PhD [3]
Professor Richard M Bennett BSc MSc PhD [1]
Emily Craven MA VetMB PGCertVPS MRCVS (from 16.11.2022) [2]
Jane Downes BVSc MRCVS
Alison Enticknap PhD [2]
Paula Junqueira BSc MBA CFP® (from 16.11.2022) [1 2]
Dorothy McKeegan BSc MSc PGCAP PhD (from 16.11.2022) [3]
Anna Olsson MSc PhD [3]
David Pritchard BSc BVetMed MPH MRCVS
David R Sargan MA PhD [2 3]
Emma-Louise Singh MCIOF (advDip) (from 16.11.2022) [2]

1 Finance Panel Member
2 Fundraising Committee Member
3 Grant Panel Member

Staff
Chief Executive/Scientific Director
Huw Golledge BSc PhD AFHEA

Company/Charity Secretary
Jane Moorman

Research Director
Birte Nielsen BSc MSc PhD

Scientific Officer
Elizabeth Carter BSc MSc

Development Officer
Stephen M Wickens BSc PhD PGCE

Managing Editor
Steven Weddell BSc BVSc MRCVS HND

Sub-Editor
Claire Richardson BSc BVM&S CertLAS, MA (ODE) (Open) PhD FHEA MRCVS

Scientific Communications & Outreach Officer
Luisa Dormer BSc MSc AFHEA DLSHTM

Office Staff
Samantha Griffin
Tina Langford

Principal office
The Old School, Brewhouse Hill, Wheathampstead, Hertfordshire, AL4 8AN, UK
Telephone: 01582 831818
Website: www.ufaw.org.uk
E-mail: ufaw@ufaw.org.uk

Independent auditors
Hillier Hopkins LLP, Chartered Accountants Registered Auditor, 249 Silbury Boulevard Milton Keynes, MK9 1NA, UK

Bankers
HSBC Bank plc, 31 Chequer Street, St Albans, Herts, AL1 4YN, UK

Barclays Bank plc, The Howard Centre, Welwyn Garden City, Herts, UK

Santander UK plc, Bridle Road, Bootle L30 4GB, UK

Solicitors
Withers LLP, 16 Old Bailey, London EC4M 7EG, UK

Investment advisors
Evelyn Partners, 45 Gresham Street, London EC2V 7BG

Obituaries

Peter Charles Jinman OBE BVetMed DipArb FCIArb MRCVS FRAgS

We received the sad news of Peter Jinman's death on 25 May 2023. Peter was a distinguished veterinary surgeon, serving as President of the British Veterinary Association in 2002–03, President of the Royal College of Veterinary Surgeons in 2011–12, and recent Chairman of Defra's Animal Welfare Committee. Despite his busy schedule, Peter never hesitated to provide advice and support, and we are profoundly grateful for his contributions to UFAW.

Universities Federation for Animal Welfare
The Old School, Brewhouse Hill, Wheathampstead, Herts. AL4 8AN, United Kingdom
Tel: +44(0)1582 831818 Email: ufaw@ufaw.org.uk www.ufaw.org.uk

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