

Agata Staniewicz

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Education & research experience

- 2024–present **Research scientist (ecoacoustics)**, Bat Conservation Trust, UK
2021–2024 **Postdoctoral researcher**, Adam Mickiewicz University, Poland
2015–2020 **PhD**, School of Biological Sciences, University of Bristol, UK
2014 **Field assistant**, ZSL Tsaobis Baboon Project, Namibia
2010–2013 **MSc by Research**, School of Biological Sciences, University of Bristol, UK
2006–2009 **BSc (Hons), Zoology**, University of Bristol, UK

Postdoctoral fellowship

- funding **NCN SONATA: *Interspecific competition for acoustic space in birds***
PI *Dr Michał Budka*
description Investigated interspecific competition in bird communities of boreal, temperate and tropical forests using passive acoustic monitoring and playback experiments.

Doctoral thesis

- title **Acoustic communication in rare and threatened crocodylians and its use for population monitoring**
supervisors *Prof. Marc Holderied & Dr Gráinne McCabe*
description Established species-specific vocal repertoires and tested acoustic monitoring methods for crocodile populations in Southeast Asia and West Africa.

Master's thesis

- title **Ecology and conservation of juvenile crocodylians *Tomistoma schlegelii* and *Crocodylus siamensis* in Mesangat Lake, East Kalimantan, Indonesia**
supervisor *Prof. Gareth Jones*
description Investigated ecological niche partitioning between sympatric crocodylians in a threatened wetland.

Peer-reviewed publications

- 2024 **Staniewicz, A.**, Sokołowska, E., Budka, M. Contrasting acoustic-space competition avoidance strategies in Afrotropical forest birds. *Animal Behaviour*. doi:10.1016/j.anbehav.2024.01.006
- 2023 **Staniewicz, A.**, Sokołowska, E., Muszyńska, A., Budka, M. Competition for acoustic space in a temperate-forest bird community. *Behavioral Ecology*. doi:10.1093/beheco/arad075
- Staniewicz, A.**, McCabe, G., Holderied, M. The low-frequency vocal repertoire of adult African dwarf crocodiles. *African Journal of Herpetology*. doi:10.1080/21564574.2023.2237035
- Budka, M., **Staniewicz, A.**, Sokołowska, E. Interspecific avoidance of song overlap in tropical songbirds: species-specific responses to acoustically similar and different intruders. *Behavioral Ecology and Sociobiology*. 77:79 doi:10.1007/s00265-023-03356-0
- Budka, M., Sokołowska, E., Muszyńska, A., **Staniewicz, A.** Acoustic indices estimate breeding bird species richness with daily and seasonally variable effectiveness in lowland temperate Białowieża forest. *Ecological Indicators*. doi:10.1016/j.ecolind.2023.110027
- 2022 Sideleau, B., **Staniewicz, A.**, Syah, M., Shaney, K. An analysis of tomistoma (*Tomistoma schlegelii*) attacks on humans. *Marine & Freshwater Research*. doi:10.1071/MF22015
- Staniewicz, A.**, Foggett, S., McCabe, G., Holderied, M. Courtship and underwater communication in the Sunda gharial *Tomistoma schlegelii*. *Bioacoustics*. doi:10.1080/09524622.2021.1967782

- 2018 **Staniewicz, A.**, Behler, N., Dharmasyah, S., Jones, G. Niche partitioning between juvenile sympatric crocodylians in Mesangat Lake, East Kalimantan, Indonesia. *Raffles Bulletin of Zoology*. **66**:528-537
 Behler, N., Kopsieker, L., **Staniewicz, A.**, Dharmasyah, S., Stuebing, S., Ziegler, T. Population size, demography and diet of the Siamese crocodile, *Crocodylus siamensis* (Schneider, 1801) in the Mesangat Swamp in Kalimantan, Indonesia. *Raffles Bulletin of Zoology*. **66**:506-516
Staniewicz, A., Youngprapakorn, U., Jones, G. First report of physiological color change in a crocodylian. *Copeia*. **106**:264-267
- 2015 Stuebing, R., Sommerlad, R., **Staniewicz, A.** Conservation of the Sunda gharial *Tomistoma schlegelii* in Lake Mesangat, Indonesia. *International Zoo Yearbook*. **49**:137-149
- 2014 Bezuijen, M., Shwedick, B., Simpson, B., **Staniewicz, A.**, Stuebing, R. *Tomistoma schlegelii*. *The IUCN Red List of Threatened Species*. 2014. e.T21981A2780499

Conference presentations

- 2023 **Staniewicz, A.**, Sokołowska E., Budka, M. *Species-specific strategies for acoustic space competition-avoidance in two Afrotropical songbirds*, International Bioacoustics Congress, Sapporo, Japan
Staniewicz, A., Sokołowska E., Budka, M. *Tropical forest birds differ in acoustic-space competition-avoidance strategies*, European Ornithologists' Union Congress, Lund, Sweden
- 2022 **Staniewicz, A.**, Sokołowska E., Muszyńska, A., Budka, M. *Competition for acoustic space in birds - do similarly singing species avoid spatial and temporal overlapping*, International Society for Behavioral Ecology Congress, Stockholm, Sweden, (poster)
- 2020 **Staniewicz, A.**, Shirley, M., McCabe, G., Holderied, M. *Incorporating acoustic surveys into the monitoring of threatened African crocodylians*, African Bioacoustics Community Online Conference
- 2019 **Staniewicz, A.**, McCabe, G., Holderied, M. *The vocal repertoire in adult Central African dwarf crocodiles (*Osteolaemus tetraspis*)*, The Bioacoustics SIG Workshop, Bristol, UK
- 2018 **Staniewicz, A.**, *Acoustic communication in forest-dwelling crocodiles*, School of Biological Sciences Postgraduate Symposium, University of Bristol, Bristol, UK
- 2016 **Staniewicz, A.**, *Crocodile conservation in Indonesia*, The First European Crocodile Networking Meeting, Brize Norton, UK
Staniewicz, A., Youngprapakorn, U., Merchant, M., Jones, G. *Fifty shades of grey: ventral darkening of Tomistoma in response to exposure to visible light*, IUCN-SSC CSG Working Meeting, Skukuza, South Africa
- 2015 **Staniewicz, A.**, *Fifty shades of grey: colour changing in crocodiles in response to light*, Science: Polish Perspectives Interdisciplinary Conference, Cambridge, UK
- 2013 **Staniewicz, A.**, *Ecology and conservation of crocodiles in Mesangat Lake, East Kalimantan, Indonesia*, IUCN-SSC CSG Working Meeting, Negombo, Sri Lanka
- 2011 **Staniewicz, A.**, *Conservation of crocodiles in Mesangat Lake, East Kalimantan, Indonesia*, IUCN-SSC CSG Regional Working Meeting, Bangkok, Thailand

Invited talks

- 2023 **Staniewicz, A.**, *Competition for acoustic space in birds - contrasting strategies in two African songbirds*, European Birdsong Network
- 2022 **Staniewicz, A.**, *Fieldwork fail and fieldwork success - studying crocodiles in forests of SE Asia and West Africa*, Early Career Crocodile Network
Staniewicz, A., *Incorporating acoustic surveys into the monitoring of threatened crocodiles*, AMU Seminars in Evolution, Ecology and Behaviour, Poznań, Poland
- 2021 **Staniewicz, A.**, *Using acoustic methods to monitor threatened African crocodylians*, Zoological Society of London Seminars, London, UK
- 2017 **Staniewicz, A.**, *Camouflage and communication in forest-dwelling crocodiles*, Aarhus University Ecophysiology Seminars, Aarhus, Denmark

Awards and grants

- grants obtained UoB Alumni Foundation: £8,000 (2011, 2015), Virginia Aquarium and LA Zoo: US\$4,000 (2016), UAM ID-UB: PLN20,000 (2022, 2023), TTF: US\$3,500 (2010, 2011), Dortmund Zoo, Cologne Zoo and ZGAP: €3,000 (2011), IUCN-SSC CSG SRAS: US\$2,000 (2011, 2017), Leipzig Zoo: €1,900 (2017), The Explorers Club: US\$1,500 (2016), Ralf Sommerlad Memorial Fund: €1,500 (2015), UoB School of Biological Sciences: £1,200 (2018), BHS: £200 (2017).
- awards 2018 Bristol PLUS Award; 2016 IUCN-SSC CSG Working Meeting: award for best student presentation; 2015 Science Polish Perspectives Interdisciplinary Conference: award for best presentation.

Teaching experience

- supervision University of Bristol: (i) BSc project co-supervisor for four undergraduate students (acoustic communication in African dwarf crocodiles).
(ii) Advisor for MSc by research student (parent-offspring communication in crocodiles).
- teaching & marking University of Bristol: Laboratory demonstrator teaching undergraduate practical classes: Quantitative Methods, Computational Methods, R Programming, Evolutionary Biology, Conservation Biology, Mammalian Ecology, Green Planet, and MSci field data collection methods.
University of Life Sciences in Poznań: guest lecturer teaching MSc herpetology and crocodile ecology.

Other experience

- 2023–present **ECR representative**, *European Birdsong Network*
Organising monthly online networking events for early career researchers working on bird songs in Europe.
- 2018–2023 **Advisor**, *Yayasan Ulin*, Indonesia
Advising an NGO on biodiversity monitoring projects in threatened wetlands in East Kalimantan, Borneo, Indonesia.
- 2016–2022 **Co-founder & organiser**, *European Crocodile Network*
Organised the annual networking conference (in the UK, Denmark, France, Ireland and Czech Republic) for researchers, students, zoo keepers and hobbyists based in Europe and interested in crocodiles. Coordinated a small grant scheme for research projects on crocodylian biology.

Public engagement

- public lectures Tomistoma Day Zoo Lectures (UK, 2016, 2017), Bristol Zoo Conservation Lectures (UK, 2013), Miami Zoo *A Night for the Crocs* (USA, 2013).
- outreach Tomistoma Takeover on Twitter (2020), Bristol Research Without Borders Festival (2019), *Letters to a Pre-Scientist* pen pal (2015-2017), *Fieldwork Fail: The Messy Side of Science* book with Jim Jourdane (2017), Bristol Festival of Nature (2017), Bristol BioBlitz (2013), crocodile presentations in primary schools in Poland (2012-2013), Access to Science (2011-2013).
- publications Martin, B., Karo, I., Darhmansyah, S., **Staniewicz, A.**, Stuebing, R., Yong, D. L. 2022. Records of the Endangered Storm's Stork *Ciconia stormi* in East Kutai, East Kalimantan, Indonesia, and notes on its conservation in Borneo. *BirdingASIA*, 38:83-85
- media appearances *Brzmienie Świata* podcast (2023), *Focus Italy* (2023), *Epsilon* (2023), *News Scientist* (2023), *IFLScience* (2023), Kilkenny Community Radio (2019), Made in Bristol TV (2017), BBC Oxford TV (2016), BBC World Radio (2016), Polish Press Agency TV (2015), *The Atlantic* (2015), *Mongabay* (2015), Polish National Radio 3 (2013).

Computer skills

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|-------------|-----------------------|-----------|---|
| os | Linux, MacOS, Windows | documents | LaTeX, R Markdown, MS Office |
| programming | R, bash | graphics | ggplot2, Inkscape, Gimp |
| data & code | git, GitHub | acoustics | Avisoft SASLab Pro, BirdNet, Kaleidoscope Pro, monitoR, Raven Pro, Seewave, warbleR |

Languages

English	native/bilingual proficiency	French	limited working proficiency
Polish	native/bilingual proficiency	Indonesian	elementary proficiency

Professional activities & responsibilities

- affiliations IUCN-SSC Crocodile Specialist Group
- reviewing Peer reviewer for: *Biological Conservation*, *iScience*, *Journal of Herpetology*, *Scientific Reports*, *Systematics and Biodiversity*, *Wilson Journal of Ornithology*, *European Crocodile Network* grants, *ZSL EDGE of Existence* grants.
- societies British Ecological Society, British Herpetological Society, European Bird Song Network, European Crocodile Network, European Ornithologists' Union, International Bioacoustics Society, International Society for Behavioral Ecology, The UK Acoustics Network.