

# Agata Staniewicz

Department of Behavioural Ecology  
Adam Mickiewicz University  
Poznań, Poland  
✉ [agata.staniewicz@gmail.com](mailto:agata.staniewicz@gmail.com)  
🌐 [limburan.github.io](https://limburan.github.io)  
🐦 [AgataStaniewicz](https://twitter.com/AgataStaniewicz)

## Education & research experience

- 2021–present **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 Investigating 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 crocodilians 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 crocodilians *Tomistoma schlegelii* and *Crocodylus siamensis* in Mesangat Lake, East Kalimantan, Indonesia**
- supervisor *Prof. Gareth Jones*
- description Investigated ecological niche partitioning between sympatric crocodilians in a threatened wetland.

## Peer-reviewed publications

- 2023 **Staniewicz, A.**, Sokołowska, E., Budka, M. Contrasting acoustic-space competition-avoidance strategies in Afrotropical forest birds. *Animal Behaviour*. (accepted)
- 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 crocodilians 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 crocodilians*, 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 crocodilians*, Zoological Society of London Seminars, London, UK
- 2017 **Staniewicz, A.**, *Camouflage and communication in forest-dwelling crocodiles*, Aarhus University Ecophysiology Seminars, Aarhus, Denmark

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## 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.

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## 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, Bat Sensory Ecology, Mammalian Ecology, Green Planet, and MSci field data collection methods.

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## 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–present **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 crocodilian biology.

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## 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 *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).

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## Computer skills

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

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## Languages

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

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## Professional activities & responsibilities

affiliations	IUCN-SSC Crocodile Specialist Group
reviewing	Peer reviewer for: <i>Biological Conservation</i> , <i>iScience</i> , <i>Journal of Herpetology</i> , <i>Scientific Reports</i> , <i>Systematics and Biodiversity</i> , <i>Wilson Journal of Ornithology</i> , <i>European Crocodile Network</i> grants, <i>ZSL EDGE of Existence</i> grants.
societies	American Society of Ichthyologists and Herpetologists, 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.