

## PD Dr. Christian C. Voigt

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### Job description

Head of Department Evolutionary Ecology at Leibniz-IZW  
Lecturer at the Freie Universität Berlin

### Research fields and interests

Evolutionary ecology, stable isotope ecology, eco-physiology and conservation, including human-wildlife conflicts

### Professional appointments

Since 2018	Head of Department Evolutionary Ecology at Leibniz-IZW
Since 2006	Head of the stable isotope laboratory at Leibniz-IZW
Since 2004	Senior researcher at the Leibniz-IZW
Since 2001	Researcher at the Leibniz-IZW

### Higher Education

Since 2009	PD Freie Universität Berlin
2007-2009	PD at Humboldt Universität Berlin
2007	Habilitation at Humboldt Universität Berlin
2001	Postdoc at the Universität Bielefeld, Germany
2000	Postdoc at Cornell University, Ithaca, U.S.A.
1999-2000	Postdoc at Boston University, Boston, U.S.A
1993-1998	Doctoral thesis at University of Erlangen-Nuremberg

### Ten selected publications

- Lindecke, O., Elksne, A., Holland, R., Petersons, G., Voigt, C.C. (2019) Experienced migratory bats integrate the sun's position at dusk for navigation at night. **Current Biology** 29:1-5. doi 10.1016/j.cub.2019.03.002
- Lehnert, L.S., Kramer-Schadt, S., Teige, T., Hoffmeister, U., Popa-Lisseanu, A., Bontadina, F., ... & Voigt, C.C. (2018). Variability and repeatability of noctule bat migration in Central Europe: evidence for partial and differential migration. **Proceedings of the Royal Society B** 285, 20182174.
- Voigt, C.C., Frick, W.F., Holderied, M.W., Holland, R., Kerth, G., Plowright, R., Swartz, S., Yovel, Y. (2017) Principles and patterns of bat movements: From aerodynamics to ecology. **Quarterly Review of Biology** 92:267-287.
- Lewanzik, D., Voigt, C.C. (2016) Transition from conventional to LED street lighting changes activity of urban bats. **Journal of Applied Ecology** doi: 10.1111/1365-2664.12758
- Lewanzik, D., Voigt, C.C. (2014) Artificial light at night puts ecosystem services of frugivorous bats at risk. **Journal of Applied Ecology**. 51: 388-394.

- Voigt, C.C., Popa-Lisseanu, A., Niermann, I., Kramer-Schadt, S. (2012) The catchment area of wind farms for European bats: A plea for international regulations. **Biological Conservation** 153: 80-86.
- Dumont, E.R., Dávalos, L.M., Goldberg, A., Santana, S.E., Rex, K., Voigt, C.C. (2012) Morphological innovation, diversification and invasion of a new adaptive zone. **Proceedings of the Royal Society London: Biological Sciences** 279: 1797-1805.
- Voigt, C.C., Sörgel, K., Suba, J., Keiss, O., Petersons, G. (2012) The insectivorous bat *Pipistrellus nathusii* uses a mixed-fuel strategy to power autumn migration. **Proceedings of the Royal Society London: Biological Sciences** 279: 3772-3778.
- Voigt, C.C., Sörgel, K., Dechmann, D.K.N. (2010) Refuelling while flying: Foraging bats combust food rapidly and directly to fuel flight. **Ecology** 91:2908-2917.
- Voigt, C.C., Speakman, J.R. (2007) Nectar-feeding bats fuel their high metabolism directly with exogenous carbohydrates. **Functional Ecology** 21: 913-921.

**190 articles in peer-reviewed journals** (ISI Web of Science), h-index = 33, top journals (IF>4.0): 1 Trends in Ecology and Evolution (IF=15.2), 1 Current Biology (9.2), 1 E-life (7.6), 2 Methods in Ecology and Evolution (7.1), 1 Bioscience (6.6), 4 Journal of Applied Ecology (5.8), 1 Journal of the Total Environment (5.6), 2 Functional Ecology (5.0), 1 Mammal review (4.7), 1 Advances in the Study of Behavior (4.5), 2 Biological Conservation (4.5), 1 Ecological Applications (4.4), 1 Journal of Animal Ecology (4.4), 6 Proceedings of the Royal Society B (4.3), 2 Ecology (4.3), 1 Annals of the Academy of Sciences (4.3), 3 Scientific Reports (4.0)  
**Book:** Voigt, C. C., & Kingston, T. (2016). *Bats in the Anthropocene: conservation of bats in a changing world*. Springer Science+ Business Media. (E-book with 323.789 downloads)

### **Professional roles and services to the scientific community (selection)**

Editorial boards: Associate Editor for *Oecologia* (2012 – now), *Movement Ecology* (since 2019), *Behavioral Ecology and Sociobiology* (2011 - 2015); *Journal of Mammalogy* (2006-2011)

Organizer of seven international conferences and two national conferences (each with about 300 participants)

Membership: UNEP/EUROBATS scientific advisory board, Deutsche Zoologische Gesellschaft, Gesellschaft für Tropenökologie, Ethologische Gesellschaft, British Ecological Society, Member of the Berlin-Brandenburg Institute of Advanced Biodiversity Research, Founding member of the centre for Berlin-Brandenburg centre for stable isotope ecology

Reviewer for funding agencies: DFG, GIF, AvH, DAAD; NSF, NGS among others

Reviewer for scientific journals: *Proceedings of the National Academy of Sciences*, *eLife* *Current Biology*, *Proceedings of the Royal Society B*, *Functional Ecology*, *Journal of Applied Ecology*, *Journal of Animal Ecology*, *Biology letters* among others

### **Awards and honours**

- 2006 Winner of the „deutscher Businessplan-Wettbewerb“ (McKinsey und Deutsche Bank)
- 1999 Nato Postdoc-Stipend of the German Academic Exchange Programm
- 1995 Grant of the German Academic Exchange Programm
- 1994 Dissertational grant of the Studienstiftung des Deutschen Volkes