

Curriculum Vitae

Name Dr. Manuel Roeleke

Current Position Researcher at the Department Evolutionary Ecology at the Leibniz-IZW
Project Leader “Abendsegler” funded by BfN / BMUKN

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Education

2015 - 2019 PhD at Freie Universität Berlin and Leibniz-IZW
2012 - 2015 Master studies at Freie Universität Berlin
2009 - 2012 Bachelor studies at University of Ulm

Research Experience

Since 2025 Postdoc at the Department Evolutionary Ecology at the Leibniz-IZW
Project Leader “Abendsegler” funded by BfN / BMUKN

2018 - 2023 Postdoc at University of Potsdam

2015 Research associate at Leibniz-IZW

2015 - 2019 PhD at Freie Universität Berlin and Leibniz-IZW

2012 - 2015 Master studies at Freie Universität Berlin

2009 - 2012 Bachelor studies at University of Ulm

Ten key publications

Roeleke M, Scholz C, Guillen RA, Pufelski J, Jeltsch F (2025) Towards individual-based conservation strategies-the case of invasive raccoons in an agricultural pond-rich landscape. Journal of Environmental Management 394, 127511

Roeleke M, Schlägel UE, Gallagher C, Pufelski J, Blohm T, Nathan R, Toledo S, Jeltsch F, Voigt CC (2022) Insectivorous bats form mobile sensory networks to optimize prey localization: The case of the common noctule bat. Proceedings of the National Academy of Sciences of the United States of America, 119, e2203663119.

Nathan R, Monk CT, ..., **Roeleke M**, ..., Jaric I (2022) Big-data approaches lead to an increased understanding of the ecology of animal movement. Science, 375, abg1780.

Roeleke M, Blohm T, Hoffmeister U, Marggraf L, Schlägel UE, Teige T, Voigt CC (2020) Landscape structure influences the use of social information in an insectivorous bat. Oikos, 129, 912–923.

Lindecke O, Currie SE, Fasel NJ, Fritze M, Kravchenko K, de Assis CK, Lehnert LS, **Roeleke M**, Voigt-Heucke S, Voigt CC (2020) Common Noctule *Nyctalus noctula* (Schreber, 1774). In D. Russo (Ed.), Handbook of the Mammals of Europe - Chiroptera (pp. 463–487).

Voigt CC, Bumrungsri S, **Roeleke M** (2019) Rapid descent flight by a molossid bat (*Chaerephon plicatus*) returning to its cave. Mammalian Biology, 95, 15–17.

Fritze M, Lehnert LS, Heim O, Lindecke O, **Roeleke M**, Voigt CC (2019) Fledermausschutz im Schatten der Windenergie. Naturschutz und Landschaftsplanung, 51, 20–27.

Roeleke M, Johannsen L, Voigt CC (2018) How bats escape the competitive exclusion principle - Seasonal shift from intraspecific to interspecific competition drives space use in a bat ensemble. Frontiers in Ecology and Evolution, 6, 101.

Roeleke M, Bumrungsri S, Voigt CC (2018) Bats probe the aerosphere during landscape-guided altitudinal flights. Mammal Review, 48, 7–11.

Roeleke M, Blohm T, Kramer-Schadt S, Yovel Y, Voigt CC (2016) Habitat use of bats in relation to wind turbines revealed by GPS tracking. Scientific Reports, 6, 28961.