

CV

Maciej Krzysztof Barczyk

maciej.barczyk@senckenberg.de

0048 696 035 741

RESEARCH INTEREST

Ecology: mutualism, animal-plant interactions, plants dynamics, seed dispersal,
altitudinal gradients, tropical rainforest biodiversity

Evolution: sociobiology, cooperativeness of ants, adaptations to alpine ecosystems,
epigenetic inheritance

EDUCATION AND QUALIFICATIONS

09.2018 – present **Senckenberg Biodiversity and Climate Research Centre,**
Frankfurt am Main, Germany

Functional Ecology and Global Change Group

PhD thesis:

Trait-dependent effects of biotic and abiotic filters on plant regeneration
in Southern Ecuador (in progress)

05.2019 **Kew Gardens,** London, England

Tropical Plant Family identification course

07.2018 **Tropical Biology Association,** Kenya

Biology field course in Mpala Research Centre

- 10.2015 – 10.2017 **Jagiellonian University**, Kraków, Poland
Faculty of Biology and Earth Sciences,
Master thesis:
Mutualistic relationships between ants and palms in Danum Valley,
Borneo
- 04 – 06.2017 **Doñana Biological Station**, Sevilla, Spain
Erasmus+ practical
Field project in animal-plant interactions group:
Epigenetic responses to water stress and resistance to extinction in
endemic plants
- 03.2017 **Organization for Tropical Studies**, Costa Rica
Field course in “Biology of Neotropical Social Insects”
- 07.2016 **Jagiellonian University**, Danum Valley Field Centre, Borneo
Tropical Ecology Field Course
- 10.2015 – 06.2017 **Jagiellonian University**, Kraków, Poland
Pedagogical College
preparatory course for biology teaching skills
- 2011- 2015 **University of Agriculture**, Kraków, Poland
Faculty of Forestry
Bachelor thesis:
The structure and dynamics of *Myricaria germanica* L. Desv.
bushes on appearing on the gravel bars of the Kamienica
Nawojowska river (in polish)

EMPLOYMENT

- 09.2018 – present German Research Foundation,
PhD student in the RESPECT research unit

- 03 - 04.2018 Polish Academy of Sciences, Kraków, Poland
Field work: birds' behavior in agricultural landscape
09. 2016 National Forest Foundation, Tatra Mountains, Poland
Field Project: Dynamic and structure of tree stands in Tatra National Park
- 05 - 06.2015 Beskid Mountains, Poland
Mountain Guide: leading tourist and school groups
- 09.2014 Polish Academy of Sciences, Kraków, Poland
Field Work: Habitat inventory of *Rosalia alpine*

PUBLICATIONS

Nelson A., Scott T., **Barczyk M.**, et al. (2018): Day/night upper thermal limits differ within *Ectatomma ruidum* ant colonies

Miler K., **Barczyk M.**, Yahya B., Czarnoleski M: Rattans inhabited by Camponotus ants gain protection against herbivores and epiphylls: comparative and experimental evidence – in review

CONFERENCES

- 4-8.02.2016 Presentation: European Conference of Tropical Ecology, Brussels, Belgium
To cheat or to clean? Mutualistic relationships between ants and rattan palm in Danum Valley, Borneo
- 21-23.10.2016 Presentation: Young Ornithologists Symposium, Łódź, Poland
What does fly through the Carpatian Mountain? Presenting the Carpatia Ringing Station (in polish)

- 30.09-13.09.2016 Poster presentation: Student Conference on Conservation Science,
Tihany, Hungary
- The dynamics and structure of *Myrciaria germanica* bushes on
Carpathian rivers in Poland
- 22-24.04.2016 Poster presentation: VII Student Conference of Evolutionary Biology
in Kraków, Poland
- Extraordinary inhabitants of South-Eastern Asian tropical forests
(in polish)
- 23-26.02.2016 Poster presentation: European Conference of Tropical Ecology,
Goettingen, Germany
- co-author: Impact on rainforest degradation on the biodiversity of
epigeic and soil invertebrates in lowland ecosystems of southern Costa
Rica

MEMBERSHIP

Student Association of Mountain Guides in Kraków (SKPG Kraków)

UJ Student Naturalists Society

Association Carpatica – Birds Ringing Station

INTERESTS AND ADDITIONAL SKILLS

Working with Microsoft Software, R, Statistica SOFT, QGIS, ArcGIS.

Insects and plants collecting; basic ant identification; tropical plants families and European trees identification.

Working in laboratory: basic techniques of molecular ecology, microscope using.

Outstanding orientation in the field, working with maps and GPS-devices.

Catching birds in net, identification of European bird families and species.

Working in tropical forest, temperate forest and high mountains.

Photography (Canon EOS cameras).

Car driving. Cycling. Swimming.

Tourists guiding (Mountain Guide in Beskid Mountains Certificate).

Good communication with people.

LANGUAGES

Polish mother tongue

English fluent

Spanish fluent

German intermediate

Russian basic