

# KRZYSZTOF MILER

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## DEGREES & TITLES

**HABILITATION IN BIOLOGICAL SCIENCES**, INSTITUTE OF SYSTEMATICS  
AND EVOLUTION OF ANIMALS OF THE POLISH ACADEMY OF SCIENCES  
2023

Title of the achievement: "Thermal ecology of trap building insects".

**PHD IN BIOLOGY**, JAGIELLONIAN UNIVERSITY  
2018

Title of the thesis: "Predator-prey system of antlions and ants: hunting strategies and rescue behaviours". Advisor: Michał Wojciechowski.

**MA IN PSYCHOLOGY**, JAGIELLONIAN UNIVERSITY  
2015

Title of the thesis: "Odzwajemnienie: ujęcie psychologiczne i przyrodnicze" (in Polish).  
Advisor: Dorota Czyżowska.

**MSC IN BIOLOGY**, JAGIELLONIAN UNIVERSITY  
2015

Title of the thesis: "Międzygatunkowe zależności w koloniach samotnych pszczół" (in Polish).  
Advisor: Michał Wojciechowski.

**BSC IN BIOLOGY**, JAGIELLONIAN UNIVERSITY  
2013

Title of the thesis: "Wariancja i stałość behawioru zwierząt" (in Polish).  
Advisor: Jacek Radwan.

## EDUCATION

**DOCTORAL STUDIES IN BIOLOGY**, JAGIELLONIAN UNIVERSITY  
2015 – 2018

**MA STUDIES IN PSYCHOLOGY**, JAGIELLONIAN UNIVERSITY  
2010 – 2015

**MSC STUDIES IN BIOLOGY**, JAGIELLONIAN UNIVERSITY  
2013 – 2015

**BSC STUDIES IN BIOLOGY**, UNIVERSITY OF GDAŃSK & JAGIELLONIAN UNIVERSITY  
2009 – 2013

## EMPLOYMENT

**PROFESSOR OF THE INSTITUTE**, INSTITUTE OF SYSTEMATICS AND EVOLUTION  
OF ANIMALS OF THE POLISH ACADEMY OF SCIENCES  
2023 – CURRENTLY

**ADJUNCT**, INSTITUTE OF SYSTEMATICS AND EVOLUTION OF ANIMALS  
OF THE POLISH ACADEMY OF SCIENCES  
2019 – 2023

**RESEARCH ASSISTANT**, JAGIELLONIAN UNIVERSITY  
2016 – 2018

**TECHNICIAN**, JAGIELLONIAN UNIVERSITY  
2015 – 2017

**RESEARCH  
PROJECTS****SONATA 17, POLISH NATIONAL SCIENCE CENTRE**

2022 – CURRENTLY

The project titled „Ferment in the family: alcohol hormesis in workers of the honeybee *Apis mellifera*”.

Principal investigator. Amount awarded: 837847 PLN.

**PRELUDIUM 20, POLISH NATIONAL SCIENCE CENTRE**

2022 – CURRENTLY

The project titled „The role of alcohol in self-medication of the honeybee (*Apis mellifera*)”.

Supervisor (PI: Monika Ostap-Chec). Amount awarded: 190692 PLN.

**PRELUDIUM 16, POLISH NATIONAL SCIENCE CENTRE**

2019 – 2023

The project titled „Analyzing life expectancy as a major factor determining pro-social behavior in ants: rescue actions among Formicidae”.

Supervisor (PI: Filip Turza). Amount awarded: 202500 PLN.

**BEKKER 2, POLISH NATIONAL AGENCY FOR ACADEMIC EXCHANGE**

2021 – 2022

The project titled „Cognitive plasticity of trap-building insects”.

Principal investigator. Amount awarded: 154000 PLN.

**SONATINA 3, POLISH NATIONAL SCIENCE CENTRE**

2019 – 2022

The project titled „Developmental heaven, purgatory and hell: how do they shape cognition? Studying the effects of the thermal environment on cognitive abilities of insects”.

Principal investigator. Amount awarded: 456400 PLN.

**PRELUDIUM 10, POLISH NATIONAL SCIENCE CENTRE**

2016 – 2018

The project titled „Placebo effect in the honeybee: can water result in ethanol-like intoxication?”.

Principal investigator. Amount awarded: 99800 PLN.

**OPUS 7, POLISH NATIONAL SCIENCE CENTRE**

2016 – 2018

The project titled „Effect of environmental conditions during larval period on non-reproductive division of labour in adult honeybee (*Apis mellifera* L.)”.

Technician (PI: Karolina Kuszewska). Amount awarded: 624920 PLN.

**SCHOLARSHIPS  
& AWARDS****THE POLITYKA SCIENTIFIC AWARD**

FINALIST IN THE CATEGORY OF LIFE SCIENCES

In the 22<sup>nd</sup> edition (2022).

**SCHOLARSHIP OF THE MINISTER OF SCIENCE AND HIGHER EDUCATION**

FOR OUTSTANDING YOUNG RESEARCHERS

For 36 months (2019 – 2022).

**START SCHOLARSHIP OF THE FOUNDATION FOR POLISH SCIENCE**

FOR OUTSTANDING YOUNG RESEARCHERS

For 12 months (2018 – 2019), with additional scholarship for an abroad internship.

**SCHOLARSHIP OF THE MINISTER OF SCIENCE AND HIGHER EDUCATION  
FOR OUTSTANDING DOCTORAL STUDENTS**

Awarded twice, for the academic years 2017/2018 and 2018/2019.

**RESEARCH  
STAYS**

**TEL AVIV UNIVERSITY, TEL AVIV-JAFO, ISRAEL**

2021 – 2022 (1 YEAR)

Post-doc fellow under the Bekker project. Host: Inon Scharf.

**NATURAL HISTORY MUSEUM OF DENMARK, COPENHAGEN, DENMARK**

2020 (1 WEEK)

Visiting researcher under the Synthesys+ project titled “On the systematic status of *Myrmeleon* antlions from Borneo”. Host: Lars Vilhelmsen.

**TEL AVIV UNIVERSITY, TEL AVIV-JAFO, ISRAEL**

2019 (1 MONTH)

Internship under the START scholarship. Host: Inon Scharf.

**NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, PAS, WARSAW, POLAND**

2015 & 2016 (2 MONTHS IN TOTAL)

Student internship. Host: Ewa J. Godzińska.

**SUPERVISION**

**DANIEL BAJOREK (JAGIELLONIAN UNIVERSITY)**

2022 – 2024

MSc advisor.

**FILIP TURZA (JAGIELLONIAN UNIVERSITY)**

2021 – CURRENTLY

Auxiliary advisor in the PhD proceedings.

**MONIKA OSTAP-CHEC (JAGIELLONIAN UNIVERSITY)**

2020 – CURRENTLY

Auxiliary advisor in the PhD proceedings.

**OTHER  
INFORMATION**

**ASSOCIATE EDITOR FOR ECOLOGICAL ENTOMOLOGY**

2021 – CURRENTLY

**ASSOCIATE EDITOR FOR JOURNAL OF ZOOLOGY**

2019 – CURRENTLY

**FELLOW OF THE ROYAL ENTOMOLOGICAL SOCIETY**

2018 – CURRENTLY

**MEMBER OF THE INTERNATIONAL UNION FOR THE STUDY OF SOCIAL INSECTS  
(IUSSI)**

2017 – CURRENTLY