

Masaryk University	
Faculty	Faculty of Science
Procedure field	Zoology
Applicant	doc. Mgr. Petr Bogusch, Ph.D.
Applicant's home unit, institution	Department of Biology, Faculty of Science, University of Hradec Kralove
<u>Board members</u>	
Chair	prof. Mgr. Stanislav Pekár, Ph.D. <i>Faculty of Science, Masaryk University</i>
Members	prof. RNDr. Oldřich Nedvěd, CSc. <i>BIOLOGY CENTRE CAS</i> doc. RNDr. Milan Veselý, Ph.D. <i>Faculty of Science, Palacky University Olomouc</i> doc. RNDr. Jakub Prokop, PhD. <i>Department of Zoology, Charles University, Prague</i> Lars Chittka <i>Queen Mary University, London, UK</i>

Evaluation of the applicant's scholarly/artistic qualifications

The candidate's major research interest is taxonomy, phylogeny, and ecology of wild bees, in particular cuckoo bees. He investigated their diversity in post-industrial sites, their conservation, pollen-feeding specialisation, factors affecting their habitat distribution, and habitat affinity. Specifically, he studies pollinators, which are an important and often endangered ecological guild that is also economically valuable in agriculture. He has been studying this topic since his university studies and, over the years, he has become an internationally esteemed expert. He is considered a key figure in the international community of researchers working on wild bee taxonomy and conservation.

His publication record includes 94 papers indexed in WOS, which has been cited more than 1000 times, altogether. The high-quality outcomes include 30 publications, which is exceeding the average required for the professor habilitation at the Faculty. His H-index amounts to 21. Among the most valued publications are atlas of bees and wasps of the Czech and Slovak Republics, checklist of European bees, and European Red list of bees and wasps.

He has obtained several grants, one from the Czech Science Foundation as the principal investigator and five from European agencies as a collaborator. Specifically, from 2020, he led activities connected with cuckoo bees in the following European projects: ORBIT, PULSE, EPIC-bee, and PollHab. His grant portfolio also includes projects of medical relevance, demonstrating the breadth of his research leadership.

Conclusion: The applicant's scholarly/artistic capabilities **meet** the requirements expected of applicants participating in a professor appointment procedure in the field of Zoology.

Evaluation of the applicant's pedagogical experience

The candidate has extensive pedagogical experience. Since 2006 until now he has been regularly giving courses at the University of Hradec Kralove. In total, he has given three semester-long courses and led nine seminars. He has pioneered in lecturing Evolutionary biology at his University, which has become a profile subject of the study programme "Biology and Ecology" and "Biology for teachers" in 2016. In the same year, he has taken over the course on Phylogeny of invertebrates, which is one of the profile subjects in the field of Zoology. More recently, he introduced a new course on Entomology. In addition, he has prepared completely new practical course on Palinological methods, which, though highly specialised, is essential for students working on pollinating insects. Beside these main courses, he also teaches several specialized seminars, such as Malacozoology, Principles of Biological Terminology, Preparing Publications, and Environmental Zoology. The breadth of his teaching portfolio reflects his wide-ranging interests and expertise.

He is a successful supervisor. So far he has supervised more than 40 Bachelor, more than 30 Master, and two PhD students. Currently, he is supervising additional students, including two PhD candidates. Because of his teaching skills and friendly nature, the applicant is popular with both students and colleagues biologists.

Since 2017, he has served as the guarantor of the major study programme "Biology and Ecology" at the University of Hradec Kralove. He is also a member of several Master's and PhD committees at his home institution as well as at the Masaryk University (PhD programme "Ecological and Evolutionary Biology").

In addition to teaching responsibilities, the candidate is also actively involved in science popularization and public education. He has published several articles in science-popular journals well-known to Czech public interested in natural sciences. He has prepared or co-authored several textbooks on bees or other hymenopterans belonging to the fauna of Czechia. He also prepared a field-guide for high-school students involved in Biology Olympiad competition.

Conclusion: The applicant's pedagogical capabilities **meet** the requirements expected of applicants participating in a professor appointment procedure in the field of Zoology.

Evaluation of the applicant as a respected and recognized scholarly or artistic figure in a given field

The candidate took the position of an associate professor (docent) at the University of Hradec Kralove in 2015. Since 2012 he was a head of the Division of Zoology at the Department of Biology and between 2017 and 2024 he held the position of Head of the Department.

During his career he has established numerous international collaborations. Despite not spending any long-term stay in a foreign institutions, he has been collaborating with several foreign colleagues from European universities and museums. He is regularly visiting foreign institutions, mostly Natural History Museums and universities in southern Europe (such as Universidad de Almeria in Spain). He serves as a subject editor of a number of scientific journals, such as Journal of Insect Conservation, Journal of Entomology, or Ecological Engineering. He is also a member of the scientific board of the Faculty of Science at his university. In 2005 and 2019 he organised Czech and Slovak conferences focused on hymenopterans.

At his home institution, he has built a team of researchers that ranks among the best ones at the University of Hradec Kralove. In 2010, 2012, and 2013 he was awarded as the best scientist at the University of Hradec Kralove. He is an important leader in his field of research at both national and international scale.

Conclusion: The applicant **is** a respected and recognized scholarly figure in his/her field. The applicant **has** made a significant contribution to the development of his/her field. The applicant **constitutes** a leading figure in his/her field of scholarship or research.

Secret vote results

Voting took place: electronically

Number of board members		5
Number of votes cast		4
of which	in favour	4
	against	0

Board decision

Based on the outcome of the secret vote and following an evaluation of the applicant's scholarly or artistic qualifications, pedagogical experience and role as a respected and recognized scholarly or artistic figure, the board hereby submits a proposal to the Scientific Board of the Faculty of Science of Masaryk University to **appoint the applicant professor** of Zoology.

In Brno on 17.10.2025

prof. Mgr. Stanislav Pekár, Ph.D.