



## Stanovisko hodnotící komise k návrhu na jmenování profesorem

<b>Masarykova univerzita</b>	
<b>Fakulta</b>	Přírodovědecká fakulta
<b>Obor řízení</b>	Ekotoxikologie
<b>Uchazeč</b>	doc. RNDr. Jakub Hofman, Ph.D.
<b>Pracoviště uchazeče</b>	Přírodovědecká fakulta, Masarykova univerzita
<b><u>Složení komise</u></b>	
<b>Předseda</b>	prof. RNDr. Luděk Bláha, Ph.D. <i>Přírodovědecká fakulta, Masarykova univerzita</i>
<b>Členové</b>	prof. RNDr. Ivan Holoubek, CSc. <i>Přírodovědecká fakulta, Masarykova univerzita</i> prof. Ing. Hana Šantrůčková, CSc. <i>PřF JČU České Budějovice</i> prof. Ing. Mgr. Jan Frouz, CSc. <i>Univerzita Karlova v Praze</i> Dr. Cornelis Adrianus M. van Gestel <i>Vrije Universiteit Amsterdam</i>

### Hodnocení vědecké / umělecké kvalifikace uchazeče

Research of Jakub Hofman addresses environmental fate, research of bioavailability and effects of halogenated persistent organic compounds, polycyclic aromatic hydrocarbons and currently used pesticides. He has developed broad expertise in experimental ecotoxicology of soil invertebrates as well as microbiota. During his career, he contributed for example to understanding of principal mechanisms and factors affecting toxic chemical sorption and bioavailability in soils, biological effects of toxicants in nematodes as well as characterization of environmental levels of currently used pesticides in the Czech Republic.

Jakub Hofman succeeded in attracting several competitive research grants, mostly from National Science Foundation GAČR (5-times P.I.), and the Czech Ministry of Education (10 research and educational grants with PI or co-PI roles). He leads own research group currently consisting of four postdocs and 6 doctoral students. He has established number of national and international collaborations with several leading institutions in Europe such as Lancaster University, UK or universities in Vienna (U Vienna and BOKU), and the collaboration is documented by joint publications.

Jakub Hofman has (co-)authored over 50 papers in ISI WOS impacted journals, including many publications in leading journals in the field such as Environmental Pollution, Ecotox Env Safety, Environment International, J Haz Mat and others. In total 72% of his papers have been published in Q1 ISI WOS journals. Dr. Hofman is the first or corresponding author at 80% of his papers. His research publications received over 570 citations (self-citations excluded) in ISI WOS monitored publications; H-index 15.

Dr. Hofman is also a leading author of a chapter in a Springer book on Ecotoxicology of wastes, co-author of a book (2001) on trends in the quality of the Czech environment, and (co)author of 14 other research papers.

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

**Závěr:** Vědecká / umělecká kvalifikace uchazeče **odpovídá** požadavkům standardně kladeným na uchazeče v rámci řízení na jmenování profesorem v oboru Ekotoxikologie.

### Hodnocení pedagogické způsobilosti uchazeče

Dr. Hofman is actively involved in teaching of Biology and Chemistry MSc. and PhD students at Masaryk University (details below) and also at Charles University in Prague (40% contribution to full semester class of Ecotoxicology). For many years Jakub Hofman serves as the pedagogical deputy to RECETOX director, and since 2017 he is the guarantor of the newly accredited BSc. Study programme Environment and Health. He also coordinated a major project supported by the EC infrastructure grant (OPVK project) that supported improvement of education of RECETOX Centre (<http://www.recetox-education.cz/>)

Since 2002 dr. Hofman leads his own full semester class in Soil Ecotoxicology (100%) that includes weekly practical exercises. During 2001-2015 he also lectured (100%) class of Microbial ecotoxicology also with practical exercises. Since 2002 he organizes and supervises weekly seminars for MSc students of the Centre RECETOX (Environmental chemistry and Ecotoxicology students), contributes to classes on Ecotoxicological bioassays (10%) and Ecotoxicology lectures in English open to international and visiting students at MU (25%).

Dr. Hofman is also an author of study materials and teaching aids to his classes (several e-materials available online as well as hardcopy textbook chapters – at minimum 8 documented contributions). He has also been active in popularization of science and communication to public through media like national radio and TV.



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During his career he supervised students at all levels of university studies, these included 20 successfully defended BSc theses, 22 MSc theses as well as 8 PhD dissertations. He currently supervises one MSc student and 6 PhD students; at 3 PhD students he serves as a senior supervisor - the actual work with students is supported by his postdoc team.

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

**Závěr:** Pedagogická způsobilost uchazeče **odpovídá** požadavkům standardně kladeným na uchazeče v rámci řízení na jmenování profesorem v oboru Ekotoxikologie.

### Hodnocení uchazeče jako význačné a uznávané vědecké / umělecké osobnosti v daném oboru

Associate prof. Jakub Hofman is internationally recognized person in the fields of soil ecotoxicology, bioavailability research and risk assessment of organic chemicals as also documented by scientific citations of his research work (570+ in ISI WOS, h-index 15).

He was also able to successfully translate his research results into 8 applied outputs (8 utility models and certified methodologies). He serves as an expert advisor to national authorities and regulatory institutions such as ÚKZÚZ or ČHMÚ and has direct impact on formulation of national policies in the field of environmental protection and risk assessment (solid waste and dredged sediment management, pesticides post-registration monitoring).

He is also actively involved in activities of international Society for Environmental Toxicology and Chemistry (SETAC), where he served as a president of the Central and Eastern European Division, and he is currently a member of the Certification Committee of SETAC Europe CRA Programme for Certification of Environmental Risk Assessors (SETAC CRA).

He has been invited to present lectures at more than 25 conferences including international meetings (Paris, Krakow and Moscow conferences). He is being regularly invited to serve as a reviewer to leading journals in the field (over 70 reviews in past 10 years) and prepared grant reviews for national funding agencies (18 reviews).

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

**Závěr:** Uchazeč **je** význačnou a uznávanou vědeckou osobností v daném oboru. Významně se **zasluhuje** o profilování a rozvoj tohoto oboru. **Představuje** jednu z vůdčích osobností vědecké školy nebo výzkumného týmu v oboru.



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### Výsledek tajného hlasování komise

Hlasování se uskutečnilo:  prezenčně  
 elektronicky

Počet členů komise		5
Počet odevzdaných hlasů		5
z toho	kladných	5
	záporných	0

### Návrh komise

Na základě výsledku tajného hlasování následujícího po zhodnocení vědecké / umělecké kvalifikace, pedagogické způsobilosti a a profilu uchazeče jako význačné a uznávané vědecké osobnosti předkládá komise Vědecké radě Přírodovědecké fakulty Masarykovy univerzity návrh

jmenovat uchazeče profesorem v oboru Ekotoxikologie  na zastavení řízení.

V Brně dne 23.11.2018

prof. RNDr. Luděk Bláha, Ph.D.