Stanovisko hodnotící komise k návrhu na jmenování profesorem

Masarykova univerzita	
Fakulta	Přírodovědecká fakulta
Obor řízení	Chemie životního prostředí
Uchazeč	Martin Scheringer
Pracoviště uchazeče	Přírodovědecká fakulta, MU
Složení komise	
Předseda	prof. RNDr. Jana Klánová, Ph.D. *Přírodovědecká fakulta, MU*
Členové	prof. Ing. Josef Čáslavský, CSc. *FCH VUT v Brně* Prof. Andreas Schäffer, Dr. rer. nat. *RWTH Aachen University* Tom McKone *Lawrence Berkeley Lab and University of California Berkeley* Gilberto Fillmann *University of Rio Grande, Brazil*

Hodnocení vědecké / umělecké kvalifikace uchazeče

Martin Scheringer studied chemistry and theoretical physics at Mainz University in Germany between 1984 and 1990 and has his diploma in chemistry. In 1996, he defended his Ph.D. in environmental sciences at the Department of Environmental Sciences, ETH Zürich (Swiss Federal Institute of Technology Zürich). Between 1996?1998 he was a postdoctoral researcher in the Laboratory of Technical Chemistry of ETH Zürich, and continued working as a research associate (1999?2004) and a senior scientist (2005?2017) in the group of Prof. Dr. Konrad Hungerbühler at the Institute for Chemical and Bioengineering of ETH Zürich. In 1999 and 2003 he had his research stays with Prof. Dr. T. E. McKone at University of California, Berkeley, and Lawrence Berkeley National Laboratory. Between 2014?2015 he was a professor of environmental chemistry and substance dynamics at Leuphana University in Lüneburg (Germany), and since 2016, he works at Masaryk University in Brno.

His research interests are the long-range transport of chemicals in the environment; factors that determine environmental and human exposure to chemicals; and the societal and ethical context of chemical pollution. He published 196 papers in the peer-reviewed journals, and was cited more than 5000 times.

He has worked on the environmental fate and transport of chemicals for 25 years and has contributed to the development of a suite of environmental fate and transport models as well as pharmacokinetic models. His results were utilised in the legislation (e.g. Stockholm Convention), and some of his models are being used in the policy making. He contributed to development of more targeted policies also as a member of various working groups, such as:

? the working group on nanosilver of the European Commission?s Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR) (2012?2014),

? the Scientific Expert Group on Chemicals and the Environment of the United Nations Environment Programme (UNEP) (2009?2014),

? the working group of the European Monitoring and Evaluation Programme (EMEP) performing an intercomparison study of environmental fate and transport models for Persistent Organic Pollutants (2002?2008), or

? the working group on chemicals assessment of the Division of Environmental Chemistry and Ecotoxicology (chair) of the German Chemical Society (GDCh) (2004?2008).

He was an invited participant of SETAC Pellston workshops on persistence and long-range

transport potential of chemicals in the environment (1998, 2008), a lead author of a chapter on chemicals and waste in the Global Environment Outlook 5 (GEO-5, published in 2012 by UNEP) and co-author on a chapter on chemicals in the UNEP Yearbook 2013.

He is an Associate Editor of the Environmental Science & Technology journal (published by the American Chemical Society), a co-founder of the International Panel on Chemical Pollution which addresses the science-policy interface in the area of chemical pollution (www.ipcp.ch), and a contributing Lead Author to the chapter on Chemicals and Waste in UNEP's Global Environment Outlook, GEO-5.

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

Závěr: Vědecká / umělecká kvalifikace uchazeče **odpovídá** požadavkům standardně kladeným na uchazeče v rámci habilitačních řízení v oboru Chemie životního prostředí.

Hodnocení pedagogické způsobilosti uchazeče

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Martin Scheringer has been teaching various lectures, courses, and seminars in the fields of Chemistry, Chemical Engineering, Environmental Sciences, Environmental Engineering, Environmental Risk Assessment, and Environmental Modelling for bachelor, master and Ph.D. students on the regular basis since 1999 at ETH in Zürich. In 2014, he became also a professor at Leuphana University in Lüneburg. Since 2005 he has been teaching on the annual basis at Masaryk University a modeling course at the international RECETOX summer school of environmental chemistry and ecotoxicology. He also taught the environmental modeling courses at the Technical University in Münich, Grenoble, or University of Concepcion in Chile.

He has been so far a supervisor of 4 bachelor, 22 master and 22 doctoral theses, all successfully defended at ETH in Zürich between 2001 and 2017. His Ph.D. graduates successfully started their independent careers in science, business of policy (e.g. Swiss Federal Office for the Environment).

He is a co-author of the Handbook of Chemical Mass Transport in the Environment published in 2011 by CRC Press/Francis and Taylor Group, and numerous popular science texts published by United Nations Environment Programme or Arctic Monitoring and Assessment Programme. He also prepared the training materials for a SAICM Quick Start Programme project used worldwide.

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

Závěr: Pedagogická způsobilost uchazeče **odpovídá** požadavkům standardně kladeným na uchazeče v rámci habilitačních řízení v oboru Chemie životního prostředí.

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

Martin Scheringer has been an Associate Editor of the prestigious Environmental Science & Technology journal published by the American Chemical Society since 2015. He is a member of the roster of experts for the Persistent Organic Pollutants Review Committee (POPRC) of the Stockholm Convention on Persistent Organic Pollutants (since 2007), and a co-founder and Chair of the International Panel on Chemical Pollution (since 2008) which addresses the science-policy interface in the area of chemical pollution (www.ipcp.ch). Since 2009, he is a member of the doctoral student selection committee of the Deutsche Bundesstiftung Umwelt, and since 2012, a president of the board of the Food Packaging Forum Foundation.

Conclusion: This clearly demonstrates that 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 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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Stanovisko hodnotící komise k návrhu na jmenování profesorem

Výsledek tajného hlasování komise

Hlasování se uskutečnilo: [ ] prezenčně
[x] 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 a pedagogické způsobilosti uchazeče předkládá komise Vědecké radě Přírodovědecké fakulty Masarykovy univerzity návrh

[x] jmenovat uchazeče profesorem v oboru Chemie životního prostředí

[ ] na zastavení řízení.

V Brně dne 13. 2. 2018

prof. RNDr. Jana Klánová, PhD. ....
jméno a příjmení vč, titulů

...
podpis předsedy komise

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