

Masaryk University	
Faculty	Faculty of Science
Procedure field	Geology
Applicant	doc. RNDr. Slavomír Nehyba, Dr.
Applicant's home unit, institution	Faculty of Science, Masaryk University
<u>Board members</u>	
Chair	prof. RNDr. Jaromír Leichmann, Dr. rer. nat. <i>Faculty of Science, Masaryk University</i>
Members	prof. Ing. Petr Skupien, Ph.D. <i>VSB - Technical University of Ostrava</i> prof. RNDr. Stanislav Opluštil, Ph.D. <i>PřF UK Praha</i> prof. Ing. Juraj Janočko, CSc., DSc. <i>Institute of Geosciences, Faculty of Mining, Ecology, Process Control and Geotechnologies, Technical University of Košice, Slovakia</i> prof. dr hab. Anna Wysocka <i>Faculty of Geology, University of Warsaw, Poland</i>

Evaluation of the applicant's scholarly/artistic qualifications

Doc. Nehyba has been working at the Faculty of Science since 1988, since 2005 as an associate professor. He teaches the basic course Dynamic Geology for first year students. For students of the master's level, he teaches Sedimentology, Sedimentary basins and oil geology. In both cases, these are pioneering lectures that were created with the newly developing fields of sedimentary geology. The next lecture, Geological Disasters and Hazards, is also intended for non-geological students. He leads the seminar Advanced Sedimentary Geology. In total, he has been involved in teaching 27 courses, exercises, seminars or field courses.

He has been the supervisor of 40 bachelor theses. He has also supervised 30 diploma theses, with three more currently in progress. Five students have completed their doctoral studies under his supervision. Another student is currently working on his dissertation under his supervision.

He is a member or chairman of state exam committees at bachelor's, master's and doctoral levels at MU. He is also a member of these committees at Charles University, Comenius University in Bratislava, and the Technical University in Košice. Both at Charles University in Prague and at Comenius University in Bratislava he was also a repeated member of habilitation committees.

He is the author of several teaching materials for the courses he currently teaches. These materials are available to students in the Information system of Masaryk University.

He has been collaborating on a long-term basis with former graduates and doctoral students, who now work in research and exploration organizations, in basic research and practical applications of sedimentary geology.

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

Evaluation of the applicant's pedagogical experience

Doc. Nehyba is the author of 53 publications indexed in WOS. 18 of them are in journals classified as Q1 and Q2. In addition, he is the author of 25 publications in the Scopus database and 75 articles in other peer-reviewed journals. He is also the author of 101 conference abstracts, several excursion guides and co-author of several map sheets of geological maps of the Czech Republic and Austria at a scale of 1:50 000. He is also the author of 20 travelogues published in magazines such as Lidé a Země.

His works were cited 595 times in WOS – without self-citations. His H-index is 17.

He was a member of the GAČR panel for a total of 10 years. He organized or significantly participated in the organization of 11 conferences. He was the principal investigator of two and co-investigator of 6 GAČR projects and a number of other projects (OPVK, Interreg, Norway Grants, Aktion, etc.)

Doc. Nehyba focuses on the topic of facial analysis of clastic sediments, identification of deposition processes and environment, processes of formation and development of sedimentary basins and provenance analysis. The subject of his study is mainly fluvial, delta and shallow sea sediments, but he also studied deep-sea, glacial and volcanoclastic sediments. The stratigraphic scope of its study is also wide. Recent deposition basins are evaluated – eg. analysis of sedimentation in the Brno dam and its impact on water quality in the Svratka River, modern delta sediments in Svalbard or river sediments within archaeological sites of Great Moravia. Very old Paleozoic basins are represented mainly by Permo-Carboniferous sediments of the Boskovice furrow or Cambrian to Devonian basal clastics. He is particularly interested in tertiary basins, on whose research he cooperates with researchers of the Moravian Oil Company, the Czech Geological Survey, Charles University, the Moravian Museum, the Institute of Geology of the Academy of Sciences, the Institute of Geonics of the Academy of Sciences, and RWE. In addition to its importance, his research also has practical impacts, for example, in the evaluation of oil-gas capacity of the studied areas or

in solving the issue of underground natural gas storage facilities. Also noteworthy is the cooperation with the Institute of Archaeology of the Faculty of Arts MU or the Institute of Archaeology of the Academy of Sciences in the reconstruction of the landscape in connection with its settlement. His other works deal with the issue of sedimentary record of geological risks.

In his research, doc. Nehyba cooperates with a number of experts from foreign institutions, such as GBA in Vienna, University of Bergen, Università Siena, University of Padova, Comenius University Bratislava, Technical University of Berg in Košice, University of Wrocław and University of Budapest.

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

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

Doc. Nehyba is a professionally outstanding and internationally recognized personality. This is demonstrated by his significant publication activities, high citation response to his work and cooperation with a number of domestic and foreign research organizations. During his time at the Faculty of Science, doc. Nehyba has educated a number of students who now work in a number of research and prospecting organizations and continue to cooperate with them.

Doc. Nehyba meets and in most parameters exceeds the conditions set by the Faculty of Science for the appointment of professors. The evaluation committee therefore unequivocally recommends his appointment as a professor for the Geology programme.

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			5
of which	in favour		5
	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 Geology.

In Brno on 09.03.2023

prof. RNDr. Jaromír Leichmann, Dr. rer. nat.