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To whom it may concern

Review report: Scientific and pedagogical competence of doc. RNDr. Peter Bačík, PhD

a) Teaching activities

Dr. Peter Bačík has demonstrated substantial teaching experience in the field of geosciences, reflecting a strong and ongoing commitment to academic instruction. He has taught a broad range of undergraduate and graduate courses, covering both foundational and advanced topics. This breadth underscores his ability to communicate complex geoscientific concepts with clarity and effectiveness.

His teaching is distinguished by high academic standards and is closely integrated with the latest developments in mineralogical research.

(b) Scientific performance and supervision of PhD students

Dr. Peter Bačík is a leading figure in mineralogy, with an outstanding research record that includes numerous publications in high-impact, peer-reviewed journals. His contributions to the scientific community are especially notable in the areas of mineral crystal chemistry, systematic mineralogy, mineral structures, and petrological and geochemical processes. His active participation in international collaborations and scientific conferences underscores his strong engagement with the global geoscience community.

In addition, Dr. Bačík has successfully supervised PhD students, guiding them through rigorous research projects that have yielded valuable scientific insights and further attest to his effectiveness as a research advisor.

His research spans both fundamental mineralogy and applied aspects of geochemistry and petrology, fostering productive collaborations with institutions around the world.

(c) Research-practice linkage

Dr. Bačík has effectively translated his research into practical applications. His work in mineralogy is relevant to both industrial and environmental sectors, and his collaborations with industry partners demonstrate a clear commitment to ensuring that his scientific contributions extend beyond the academic sphere.



These efforts underscore his strong dedication to applying mineralogical expertise to address real-world challenges.

(d) General profile

Dr. Bačík possesses a strong academic profile that fully aligns with the expectations of a university professor. His combination of teaching excellence, scientific productivity, and successful research supervision underscores his readiness to assume the responsibilities of a professorial role. His leadership in academic initiatives, commitment to student mentorship, and active engagement in the scientific community all indicate that he will make substantial contributions to both education and research in his field.

Widely respected within the geosciences community, Dr. Bačík is well-suited for a professorship. His balanced focus on education, research, and real-world application positions him to inspire future geoscientists and contribute meaningfully to the University's mission,

Conclusion

Based on his teaching excellence, research achievements, supervision record, and overall academic profile, Dr. Peter Bačík fully meets the high standards required for the title of Professor. His scientific authority, pedagogical competence, and applied engagement make him a strong candidate for a professorship in geosciences. His appointment would further enhance the University's academic and research standing.

Sincerely,

Roma, 5/21/2025