

doc. RNDr. Martin Kubala, Ph.D.
Děkan Přírodovědecké fakulty
Univerzita Palackého v Olomouci
17.listopadu 12
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Raleigh August 15, 2021

Dear Dean Kubala,

I am pleased to provide a recommendation letter for doc. Pechanec based both on the provided materials and my knowledge of his professional activities in geoinformatics as part of his consideration for promotion to the rank of Professor. I have known doc. Pechanec since 2014 when I had a chance to visit the Geoinformatics department at the Palacky University. Through this interaction and later meetings during follow up visits I have become familiar with his work and initiatives in the environmental geoinformatics.

Doc. Pechanec's research focus is on development of innovative methods and information technologies to support sustainable management of natural resources. He has made significant contributions to the design and implementation of GIS-based decision support systems by integrating analysis and evaluation of landscape from the perspective of ecological stability, erosion susceptibility, retention capacity and the economic value. He has contributed to the numerous regional studies of landscape with focus on natural reserves and habitat protection.

Doc. Pechanec's high research productivity is reflected by his 47 peer reviewed publications in respected ecological and geospatial science journals. In addition to the peer reviewed scholarship the extent and diversity of his research is well documented by an extensive collection of 130+ contributions in various proceedings. His citations are on rapidly growing trajectory indicating expanding impact of his scholarly work.

He has been principal investigator, co-investigator and researcher on numerous projects covering both basic research and practical applications including development of innovative Web-GIS applications supporting environmental protection and sustainability. While the core of his research is focused on environmental decision support systems, he has made significant contributions to e-education, deployment of wireless sensors and hyperspectral remote sensing. He has been a sought-after collaborator in many interdisciplinary projects.

Although most of his research and collaborations are focused on central European region his international engagement is documented by leading and participating in international projects, presenting his research abroad and reviewing for numerous international journals.

Doc. Pechanec's teaching includes courses based on advanced geospatial technologies and their environmental applications and he has excellent mentoring record across all academic levels, including PhD dissertations.

In summary, doc. Pechanec is a productive scholar of high professional standing who has made significant contributions to the field of environmental geoinformatics in research, teaching and mentoring and I gladly recommend his promotion to the rank of Professor.

Sincerely,

Helena Mitsova
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