



Eötvös Loránd University

Institute of Chemistry

Department of Analytical Chemistry

Professor Dr. Ernő Kuzmann

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18th January, 2024

**Subject: Recommendation for full professorship of
Assoc. Prof. Libor Machala**

**Assoc. Prof. Martin Kubala, Ph.D.
The Dean
Faculty of Science
Palacký University Olomouc
17. listopadu 1192/12, 779 00 Olomouc
Czech Republic**

Dear Mr. Dean, Dear Professor Kubala,

I met Dr. Libor Machala, who is now Associate Professor at the Department of Experimental Physics, Palacký University Olomouc, many years ago.

Dr. Machala spent a few months in our Laboratory of Nuclear Chemistry, at the Eötvös University in Budapest more than fifteen years ago, and then returned to Budapest a few times. While he was in Budapest for the first time, I got to know him as an excellent researcher, who is not only able to develop the concept of research tasks, but can also accurately perform the laboratory work required for sample preparation and characterization of samples and is able to carefully draw conclusions containing new knowledge from the results. We have been working in related scientific projects since then, and published several joint papers in the frame of a fruitful collaboration that is still ongoing. He is an expert of the applications of Mössbauer spectroscopy, among others, on the fields of nanomaterials, which is recognized worldwide. His works are of great importance both from the point of view of scientific knowledge and industrial applications.

Our research relationship grew even stronger from 2012, when I first visited Olomouc, the RCPTM, where Assoc.Prof. Machala was head of department, where he also contributed to the development of the Mössbauer laboratory with its excellent technical capabilities. He is an excellent organizer. He is organizing his research involving more and more methodologies. He is a real team worker who became a good team leader of his group that involves colleagues and many students. This latter proves that he is also a very good teacher who attracts students not only by his knowledge but also by his personality. Over the years, I have found Dr. Machala always very trustworthy, reliable and accurate. Any colleague can safely count on him. On the other hand, Dr. Machala is an excellent cyclist with extensive experience in road cycling as well, which may also show that he is motivated and has leadership skills.

His excellent organizational skills are also praised by the fact that he was able to establish numerous international research collaborations with research groups other than ours in the world (e.g., in USA, Japan, Slovakia, Poland). I found that he is also sufficiently proficient in writing project applications. As a member of the organizing committee, he actively participated in the organization of several domestic and international Mössbauer conferences (e.g. MSMS). In recognition of his scientific achievements, he was an invited speaker at international conferences many times. He is an excellent speaker.



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The top of his organizational work so far was the excellent organization of the ISIAME (International Symposium on the Industrial Applications of the Mössbauer Effect) world conference held in Olomouc in 2022, of which Assoc. Prof. Machala was the chairman of the organizing committee. It is especially highly appreciated that at the conference held with a two-year delay due to COVID, Assoc. Prof. Machala was able to keep the participants together and ensure the conference conditions at a high level, which greatly contributed to the continuation of this important series of conferences in the future. As a member of the SEC, the supreme body of ISIAME, Assoc. Prof. Machala is doing an excellent job in positively shaping the future of this movement.

Combining his research experience and achievements with his excellent teaching and outstanding organizing ability will make him an excellent full professor, so I strongly recommend that Assoc. Prof. Libor Machala be appointed as a full professor at the Palacký University Olomouc.

With best regards

Prof. Dr. Ernő Kuzmann
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