Jméno, příjmení, titul žadatele:
Given name, surname, academic degree of student:

Ing. Radek Prokeš

Seznam publikovaných prací:
List of publications:

- **R. Prokeš**, V. Antušková, R. Šefců, T. Trojek, Š. Chlumská, T. Čechák. Investigation of color layers of Bohemian panel paintings by confocal micro-XRF analysis. *Radiation Physics and Chemistry*. 2018, 151, 59-64.

- **R. Prokeš**, T. Trojek. Calibration of a tabletop confocal microbeam X-ray fluorescence spectrometer for a quantitative depth profiles evaluation. *Radiation Protection Dosimetry*. In press, https://doi.org/10.1093/rpd/ncz216.

- T. Trojek, **R. Prokeš**, R. Šefců, H. Bilavčíková, T. Čechák. Confocal X-ray fluorescence spectrometer for in-situ analyses of paintings. *Radiation Physics and Chemistry*. 2017, 137, 238-242.

- Ž. Šmit, **R. Prokeš**. Parametrization of a tabletop micro-XRF system. *X-Ray Spectrometry*. 2019, 48(6), 682-690.

- T. Trojek, L. Musílek, **R. Prokeš**. Depth of layers in historical materials measurable by X-ray fluorescence analysis. *Radiation Physics and Chemistry*. 2019, 155, 239-243.

- L. Musílek, T. Trojek, **R. Prokeš**. Techniques for identifying depth inhomogeneities of elemental distribution in materials. *Radiation Physics and Chemistry*. 2020, 167, 108344.

- M. Hložek, T. Trojek, **R. Prokeš**, V. Linhart. Mediaeval metal threads and their identification using micro-XRF scanning, confocal XRF, and X-ray micro-radiography. *Radiation Physics and Chemistry*. 2019, 155, 299-303.

- M. Hložek, T. Trojek, **R. Prokeš**, B. Komoróczy. Recent or Roman enamel? Resolution of dating of the unique find from Mušov – Burgstall using techniques of X-ray fluorescence analysis. *Radiation Physics and Chemistry*. 2020, 167, 108254.

- M. Hložek, T. Trojek, B. Komoróczy, **R. Prokeš**. Enamel paint techniques in archaeology and their identification using XRF and micro-XRF. *Radiation Physics and Chemistry*. 2017, 137, 243-247.

- J. Páterek, R. Král, J. Pejchal, **R. Prokeš**, M. Nikl. LuAG:Pr codoped with Ho3+: Acceleration of Pr3+ decay by energy transfer. *Radiation Measurements*. 2019, 124, 122-126.