



Contribution ID: 50

Type: **Talk**

On the crystal arrangement in small mammal dental enamel

Monday, 14 March 2022 14:50 (20 minutes)

This work compares dental enamel of 18 different species from the taxa of rodents (Rodentia), lagomorphs (Lagomorpha) and insectivores (Eulipotyphla). The enamel structure was analysed by scanning electron microscopy (SEM). To analyse the chemical composition of the dental enamel, energy-dispersive X-ray spectroscopy (EDS) was used together with X-ray powder diffraction for a structural characterization of the tooth mineral.

Primary authors: Prof. BEGALL, Sabine; Mr CASPAR, Kai; Dr DAMMANN, Philip; EPPLE, Matthias (University of Duisburg-Essen); Prof. HILKEN, Gero (Central Animal Laboratory, University Hospital Essen, Essen, Germany); LOZA, Kateryna; Dr SCHMITT, Marcus; STORSBERG, Jana

Presenter: STORSBERG, Jana

Session Classification: Natural Materials and Environments

Track Classification: Main conference: Natural Materials and Environments (Minerals, Biogenic Materials...)