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## Profiling of written artefacts with bioinformatic and chemometric methods

Written artefacts are studied at the CSMC with the participation of scientists from a variety of disciplines using a wide range of material analysis methods. We contribute to this collaboration with various data analysis techniques, including machine learning and statistical approaches. They are aiming at the classification of the written artefacts based on different properties, e.g. production materials, preservation states and environmental conditions to contribute to the characterization of their biological identity and historical background.

Here we introduce the analysis of DNA data with bioinformatic approaches and the analysis of data obtained by infrared spectroscopy, for which chemometric approaches are applied.

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### Keywords

Chemometrics  
Bioinformatics  
Machine Learning  
Written Artefacts

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