

# **A VIEW IN THE EXCITING WORLD OF MOLECULES – FROM ART TO FORENSICS**

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Molecules desorbed from the surface of an organic sample can give us plenty of information and answer many questions like what materials were used to produce some contemporary art work or is questioned document forgery or not.

This is a story about Secondary Ion Mass Spectrometry with MeV ions (MeV SIMS), a new mass spectrometry technique installed recently at the Ruđer Bošković Institute heavy ion microprobe. Method was applied so far to find answers to the different questions in several fields such as art, biology and forensics.