

Study Group / Task Force Name: " Analytical Chemistry in Archaeology and Cultural Heritage "

Study Group / Task Force Members and Affiliations:

Prof. Miltiades (Milt) Karayannis, University of Ioannina, Greece

Prof. Alan Townshend, University of Hull, United Kingdom

Prof. Ioannis Stratis, Aristotelian University of Thessaloniki, Greece

Prof. Koen Janssens, University of Antwerpen, Belgium

Prof. Megan McClain, University of Manchester, United Kingdom

Objectives: 1) To demonstrate the importance of Analytical Chemistry in the collection of scientific information, which are valuable to Archaeologist and Art Historians, to study and authenticate archaeological objects and works of Fine Art.

2) To propose the proper analytical methods, techniques and procedure for the study of archaeological samples and fine art objects

3) To endorse the collaboration of Analytical Chemists between the European Countries and other scientific organizations

Activities and Outputs in 2013-2014 (e.g. reports, publications, seminars, meetings):

1) Two new members joined the group during the 2013-2-14 period:

Prof. Megan MacClain

Prof. Koen Janssens

2) The members Prof. J. Stratis and Prof. Milt Karayannis participated and made oral presentations, relevant to the subject of the Task Force, in the Conference IMA 213.

Presentations:

1) **M.I.Karayannis,**

Analytical Chemistry: A Powerful Decoder for Archaeology and History of Fine Arts, IMA 2013, Thessaloniki 15-19 September 2013

2) **J.A. Stratis,** El.N. Charalampous, N.C. Tsirliganis, N. Kantirani

Analytical Chemistry the core of Archaeological Natural Sciences. An effort for holistic study of floor mosaic from Cyprus

IMA 2013, Thessaloniki 15-19 September 2013

Publications:

3) **Stratis J.A.** et al. "Enhancing the examination workflow for Byzantine icons: Implementation of information technology tools in a traditional context", Journal of Cultural Heritage, vol. 15, no. 1, 85-91, 2014.

Activities planned for 2014-2015: 1) Proposal of Case Studies and examples to illustrate the use of modern Analytical Techniques applied in the study and authentication of works of fine art.

2) Collect information on the activities of the member countries regarding Archaeometry

Report submitted by: Prof. Miltiades I. Karayannis

Date submitted:

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