

Estrada Nacional 10, 2695-066 Bobadela LRS, Tel: +351 21 994 6000, Fax: +351 21 994 6016, www.ctn.tecnico.ulisboa.pt

CAMPUS TECNOLÓGICO E NUCLEAR

Data, hora, local/Date, hour, local: 29-11-2018, 11:00 - Auditório do CTN

Palestrante/Speaker: Zaki Ajji

Atomic Energy Commission, Department of Chemistry,
Division of Analytical Chemistry, Damascus, Syria

Título/Title: **Current Status of Radiation Processing in Syria:
Cultural Heritage Consolidation**



CURRICULUM VITAE

Zaki Ajji is research director at the Atomic Energy Commission of Syria (AECS). He completed his PhD in surface science and analysis at the Institute for Applied Physical Chemistry, Heidelberg University in Germany 1995, followed by a postdoctoral stay at the same institute for one year. Between 1998 and 2014 he was the head of the Polymer Technology Division at the Radiation Technology Department and the deputy head of the department 2003-2014. Since 2014 the head of the Chemistry Department and Polymer Chemistry Division at AECS. He has been teaching at the International University for Science and Technology, Faculty of Pharmacy, Damascus, Syria since 2014.

ABSTRACT

The main focus of the Polymer Division of AECS is the preparation of hydrogels for various applications as: wound systems and also for wastewater treatments. Radiation induced surface grafting for different applications is another preparation of polymeric composites and blends is a further subject of interest in the division.

Recently, a new Technical Cooperation project in the framework of International Atomic Energy Agency (IAEA) *National Capacity in Protection, Conservation and Restoration of Historical Objects and Documents Using Radiation Monomers/Polymers*, has just started. This is an opportunity to initiate research in the area of conservation and artefacts, through ionizing radiation technologies.

The presentation will give an overview of AECS resources and the work projected and ongoing in the frame of the project with IAEA.



Hydrogels adsorbing different dyes and metal ions.