

**28<sup>th</sup> & 29<sup>th</sup> May 2020**  
CIAJG, Avenida Conde Margaride, 175  
Guimarães, Portugal

# Agar Spray: New Applications Of Rigid Gel For The Treatment Of Large Surfaces

## Ambra Giordano

20|21 Conservação e Restauro, a Portuguese contemporary art conservation studio, has invited Ambra Giordano to teach a two days workshop aimed at conservators.

### Overview

The innovative procedure presented during the workshop will provide participants with new theoretical and practical knowledge on the applicative potential of this helpful gelling agent.

The new methodology developed by the teacher, thanks to the tool adopted for the application, gives the agar new structural characteristics.

For the first time the treatment becomes feasible, safe and suitable for complex surfaces, extended and varied in nature, obtaining results that are difficult to reach with the methods presently known. The workshop will offer participants know-how and skills to master the application of the "agar spray" technique.

**Ambra Giordano** Ambra graduated in 2004 from the Academy of Fine Arts and Restoration in Palermo. In 2013 she qualified to practice the profession of Restorer of Cultural Heritage after earning a degree in Conservation and Restoration of Cultural Heritage at the University of Palermo. In 2017 she obtained the II level International Master in "Biology for the Knowledge and Conservation of Cultural Heritage" at the Roma Tre University. Since 2014 she has collaborated with the Research Laboratory of Biology and Biotechnology for Cultural Heritage at the University of Palermo, and collaborates with national and international museums and training organisations.

20|21 thanks the generous support of



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### Day 1 Theoretical part (4 hours)

- | Short introduction on the characteristics of the agar gel and the currently known application methods
- | The nebulisation process
- | The instrument used for nebulising agar and its components
- | The "agar spray" cooling process
- | Analysis and tests performed on the nebulised agar film and comparison with the gel obtained with traditional procedures
- | How to choose the temperature of the agar to spray
- | Short presentation of examples / case studies of the spray application.

### Practical part (4 hours)

- | Preparation of the agar for spray application
- | Spraying technique
- | The distance from the surface to be treated
- | The adjustment of the sprayed figure
- | The adjustment of the material flow rate
- | Demonstration of the "spray" application

### Day 2 Theoretical part (4 hours)

- | The spray application with a continuous or discontinuous flow
- | Environmental parameters and their influence on the application
- | Possibility to create an interface inside the gel
- | Liquid diffusion
- | The "spray" application in combination with temporary hydrophobisation
- | The residues and the cleaning of the instrument

### Practical part (4 hours)

- | Application on vertical surfaces and three-dimensional objects
- | Demonstration of the spray application method and practical tests carried out individually by the participants
- | Discussion and closing of the workshop

### Practical Information:

**Duration:** Two days, 28th and 29th May 2020

**Location:** CIAJG, Avenida Conde Margaride, n.º 175, Guimarães

**Language of instruction:** English

**Number of participants:** 20

**Registration fee:**

€430 –VAT included (for participants who have already attended other 20|21 masterclasses)

€500 –VAT included (for newcomers)

**Application deadline:** 30th April

### Social Event:

Participants of the workshop will be invited for dinner on the 28th May

### How to apply?

Please contact the organization via e-mail [2021@2021.pt](mailto:2021@2021.pt) or phone **+351 960 080 607** or **+351 222 085 498**.