



مكتبة قطر الوطنية
Qatar National Library



IFLA Strategic Programme
Preservation and
Conservation (PAC)



Scientific Applications in Cultural Heritage Forum: Doha 2021

25 – 30 January 2021

This event will be held online via Zoom.
Arabic and English interpretation will be available.

To register, visit <https://ssl.eventilla.com/attend/jM4oZ>

For more information on the forum, please contact qnlpac@qnl.qa

Note: All times in Qatar time (GMT +3)



The first edition of this forum will focus on pigments and dyes in manuscripts and heritage objects, and will include lectures and practical sessions on the most important spectroscopic techniques for non-invasive and non-destructive analysis, which has an impact on fundamental knowledge, interpretation and conservation.

The forum will also feature lectures on Arabic and Persian pigments and how they were made; the various dyestuffs used for Arabic manuscripts, the extraction methods and the dyeing processes; and conservation issues and deterioration processes encountered with pigments and dyes found in Islamic manuscripts.

25 January 2021

3:00 – 3:30 PM

Opening Speeches

Dr. Hamda Al-Sulaiti

Secretary General, Qatari National Commission for Education, Culture and Science

Stephane Ipert

Director of Distinctive Collections, Qatar National Library

3:30 – 6:30 PM

Presentation of Pigments and Their Making Processes: Organic, Inorganic and Processed

Presentation of Dyes and Their Making Processes

Amélie Couvrat Desvergnès

Paper and Book Researcher and Conservator

6:30 – 8:00 PM

Persian Pigments and Dyes: History, Material Technology and Primary Sources

Dr. Mandana Barkeshli

Conservation Scientist, Principle Fellow, University of Melbourne

26 January 2021

3:00 – 5:30 PM

Conservation Issues and Deterioration Processes Encountered With Pigments and Dyes Found in Islamicate Manuscripts

Overview of the Analytical Techniques for the Identification of Pigments and Dyes

Amélie Couvrat Desvergnès

Paper and Book Researcher and Conservator

5:30 – 7:00 PM

Fiber Optic Reflectance Spectroscopy (FORS): Applications and Practice

Dr. Antonino Cosentino
Cultural Heritage Scientist

7:00 – 8:00 PM

Fiber Optic Reflectance Spectroscopy (FORS): Case Studies

Maxim Nasra
Book Conservation Specialist, Qatar National Library

27 January 2021

3:00 – 4:30 PM

Traditional Artists' Material Used as Preservatives in Persian Manuscripts: Historical and Scientific Analysis

Dr. Mandana Barkeshli
Conservation Scientist, Principle Fellow, University of Melbourne

4:30 – 6:00 PM

Persian Inks: History, Reconstruction and Identification Through Non-Invasive Analysis

Dr. Sadra Zekrgoo
Materials Conservation Scientist, University of Melbourne

6:00 – 8:00 PM

Raman Spectroscopy: Applications, Practice and Case Studies

Dr. Antonino Cosentino
Cultural Heritage Scientist

28 January 2021

3:00 – 4:00 PM

Characteristics of Sizing Materials Used in Persian Manuscripts: Historical and Scientific Analysis

Dr. Mandana Barkeshli
Conservation Scientist, Principle Fellow, University of Melbourne

4:00 – 6:00 PM

X-Ray Fluorescence Spectroscopy (XRF): Applications, Practice and Case Studies

Dr. Antonino Cosentino
Cultural Heritage Scientist

6:00 – 8:00 PM

Fourier-Transform Infrared Spectroscopy (FTIR): Applications, Practice and Case Studies

Dr. Antonino Cosentino
Cultural Heritage Scientist

29 January 2021

5:00 – 8:00 PM

Fiber Optic Reflectance Spectroscopy (FORS): Practice and Results Analysis

Dr. Antonino Cosentino
Cultural Heritage Scientist

Maxim Nasra
Book Conservation Specialist

30 January 2021

5:00 – 8:00 PM

Raman Spectroscopy: Practice and Results Analysis

Dr. Antonino Cosentino
Cultural Heritage Scientist

Maxim Nasra
Book Conservation Specialist

