



Qatar National Library

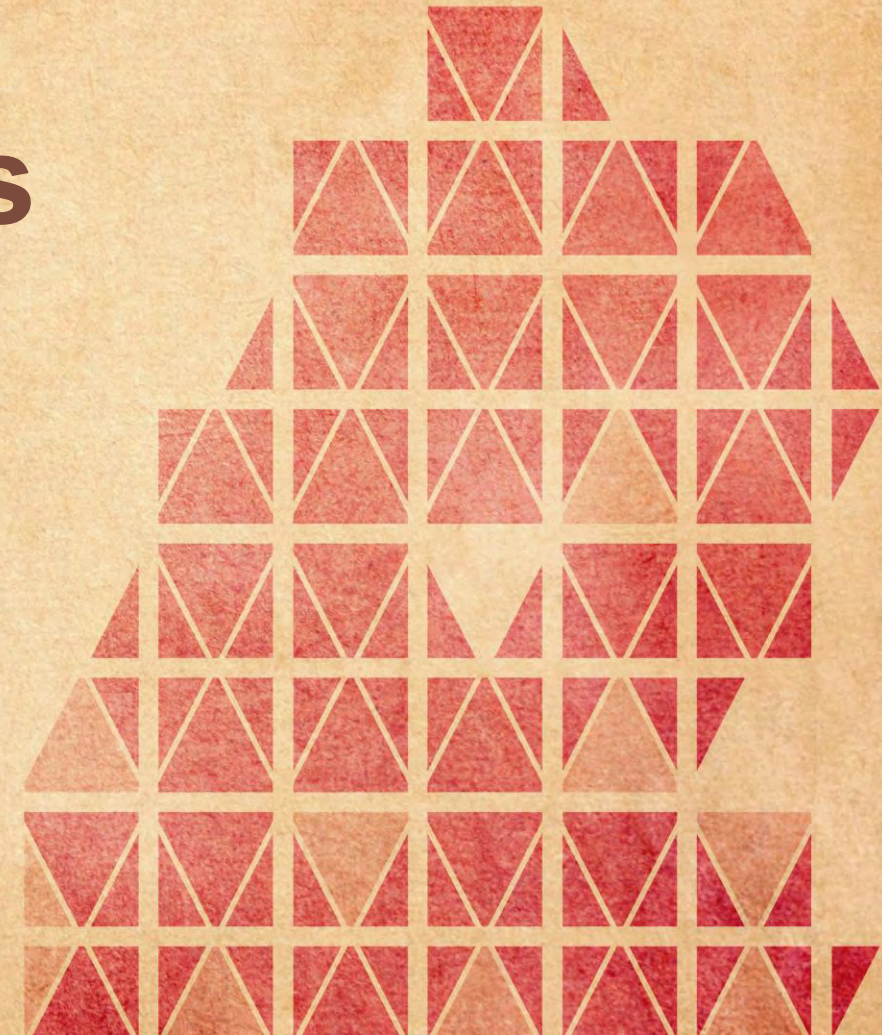
29th CDNLAO
General Conference

Collect and Engage
National Libraries
and Their Collections

Ink, Pigments and Bytes

QNL's Preservation Projects

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Qatar National Library



MISSION AND VISION



VISION

To be one of the world's preeminent centers of learning, research and culture; a guardian of the region's heritage; and an institution that promotes imagination, discovery and the nourishment of the human spirit.

MISSION

To preserve the nation's and region's heritage and enable the people of Qatar to positively influence society by creating an exceptional environment for learning and discovery.

QNL as IFLA Preservation and Conservation Centre (PAC) for Arab Countries

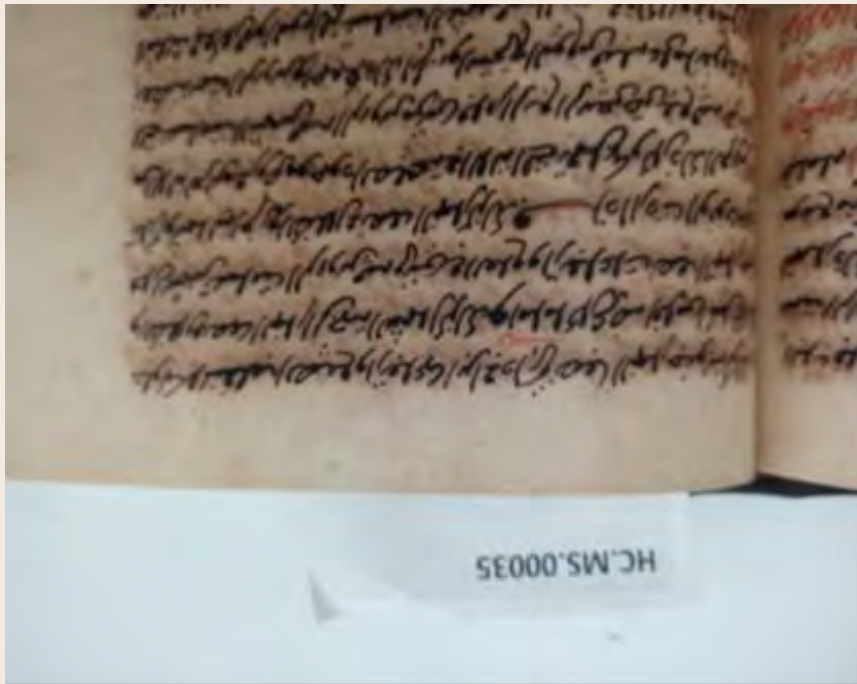
QNL's work involves:

- Producing and publishing materials related to preservation and conservation (in Arabic and English) and translating IFLA guidelines
- Supporting and assisting Arab libraries on conservation matters and guiding the development of disaster plans
- Organizing courses, workshops and meetings in Arabic/ English and sometimes Turkish and Persian. All accessible on QNL's website (PAC center page),
- Managing the QNL-IFLA-PAC "observatory of the situation of documentary heritage in the MENASA region", and cooperating with international funders



Since 2015

Study and Stabilization of Iron-Gall Ink and Verdigris Deterioration



Acidic ink, starting to damage the folio



Deterioration of green lines drawn with verdigris

Historical manuscripts are prone to deterioration due to paper ageing, ink corrosion, and non-controlled environment conditions.

A collaborative project with QEERI (Qatar Environment and Energy Institute)

Physical factors

Air condition, dust, humidity, temperature, flood, fire, etc.

Biological factors

Insects, book-worms, silverfish, bacteria

Human factors

Theft, tear off the pages, vandalism, mismanagement.

Chemical factors

Paper hydrolysis and acidification, ink instability, corrosion, etc.



Model Samples preparation:
paper, verdigris, and black inks

Aging Simulation: paper acidification and
ink/pigment oxidation

Phase 1:
Understanding the degradation process
of verdigris and black ink pigments

Phase 2:
Improve in-house protocols for preservation of
verdigris and black ink pigments.
Develop methodologies and treatment
guidelines for these pigments.

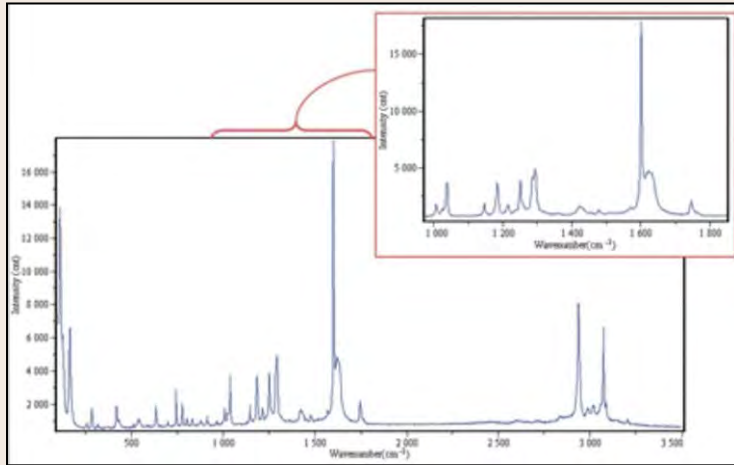
Materiality and Codicology of Islamic Manuscript: Inks, Pigments and Dyes in Early Qur'ans (8 to 11th century CE)

- A project in partnership with National Museum of Asian Art (Smithsonian Institution USA)
- Detailed scientific analysis of a common corpus of 80 early Qur'anic leaves




Database

All scientific data results for the Islamic manuscripts materials examined will be made accessible through a database to be developed in the near future.



MANARA – Qatar Research Repository

- Aim is to capture, curate, preserve and provide open access to all Qatar research outputs (incl. Non-traditional research outputs)
 - Available for individuals and as a platform to run an institutional repository for any Qatar-based organization.
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- The logo for Manara Qatar Research Repository features a stylized blue and white icon on the left, resembling a flame or a calligraphic element. To the right, the word "Manara" is written in a large, bold, blue sans-serif font. Below it, "Qatar Research Repository" is written in a smaller, blue sans-serif font, and "by Qatar National Library" is written in an even smaller, grey sans-serif font.
- 2,400 items published so far by over 30 institutions
 - 82,152 views and 38,900 downloads of items since the launch in November 2022

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Thank You!