



Environmental Science and Pollution Research

Special Issue:

THE INTERACTION BETWEEN ENVIRONMENTAL POLLUTION AND CULTURAL HERITAGE: FROM OUTDOOR TO INDOOR “METROARCHEO2020”

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Opening submission: September 1 2020

Submission deadline: November 30 2020

The conservation state of works of art, both outdoor and exhibited inside museums, is strongly influenced by the environmental quality. In outdoor environments atmospheric pollutants are responsible of different phenomenon including stone sulphation and black crusts formation while temperature and relative humidity are generally monitored in indoor environments, but they are not the only parameters to be kept under control. In order to get more detailed information on possible risk to which works of art are subjected, a deep knowledge of pollutants concentrations together with their chemical and physical characteristics is mandatory to study degradation and alteration of the works of art and to set up suitable conservation and restoration intervention.

Topics of this special section include but are not limited to:

- Study of phenomenon induced by pollutants on outdoor surfaces
- Outdoor air quality monitoring to assess the impact of pollutants on cultural heritage
- Air quality in confined and museum environments
- Monitoring of microbial load
- Assessments of pollutants affecting cultural heritage through innovative system
- Innovative methods for surfaces restoration and conservation