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# Interpreting Environmental Data in Heritage Science

Guest Editor:

**Dr. David Thickett**
Collections Conservation, English Heritage Trust, Rangers House, Chesterfield Wlk, London SE10 8QX, UK

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## Message from the Guest Editor

Preventive conservation is deeply grounded on the study of deterioration of material Cultural Heritage. Large amounts of environmental data are routinely collected on relative humidity, temperature, visible and UV radiation levels, pollutant gas concentrations, particulate deposition rates and compositions, and vibration. Effective management requires interpretation of these data into damage rates. This is increasingly important as controlling environments has large sustainability impacts. Determining risk at values outside of tight limits is critical, and major improvements can result from effective tools to aid users in this.

The aim of this Special Issue is to collect articles, communications, and reviews highlighting recent achievements in the study of deterioration phenomena of material Cultural Heritage and enabling the interpretation of this research with end users' measured data. Damage functions, algorithms, modeling, and multiscale modeling have all seen important advances in the previous decade and expanded the field beyond simple statistics and limits. Papers dealing predominantly with the translation of damage into values are beyond the scope of this issue.

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# Special issue