Special Issue

Application of Chemometrics and Machine Learning in Cultural Heritage Analysis

Message from the Guest Editors

Cultural Heritage (CH) comprises artwork and manufacts often made of multi-component materials in which several variables relating to interlinked chemical, physical, and biological processes are combined. Studying all these parameters in a synergic way provides new perspectives for understanding raw materials and all the phenomena linked with the history and current state of conservation of the objects. We are pleased to invite you to contribute to the present Special Issue on "Application of Chemometrics and Machine Learning in Cultural Heritage Analysis" which aims to offer researchers an opportunity to share findings and new developments in the field of heritage science as well as to present statistical approaches. This Special issue, in particular, also aims to address specific challenges related to data analysis such as pre-processing approaches, new insights in the specific frameworks for CH, application of chemometrics and Machine Learning tools on different matrices/objects as well as to assess the development of new methods and benchmarks in the identification and classification of CH assets.

Guest Editors

Dr. Giulia Festa

CREF - Museo Storico della Fisica e Centro Studi e Ricerche "Enrico Fermi", Via Panisperna 89 a, c/o Piazza del Viminale 1, 00189 Rome, Italy

Dr. Claudia Scatigno

CREF—Museo Storico della Fisica e Centro Studi e Ricerche Enrico Fermi, Via Panisperna 89a, 00189 Rome, Italy

Deadline for manuscript submissions

closed (20 May 2024)

Applied Sciences

Applied Sciences

mdpi.com/journal/
applsci

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:
free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:
indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:
JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

MDPI