

Metallography, Microstructure, & Analysis

Special Issue on Archaeometallurgy

Call for Abstracts

Guest Editors:

- **Prof. Patricia Silvana Carrizo**, Archaeometallurgy Area, Metallurgy Laboratory, National Technological University, Mendoza Regional Faculty (Argentina)
- **Dr. Omid Oudbashi**, Associate Professor, Department of Conservation of Cultural and Historical Properties and Archaeometry, Art University of Isfahan (Iran)

MMA Editor-in-Chief:

- **Dr. Ryan M. Deacon**, Raytheon Technologies Research Center, East Hartford, CT (USA)

This special issue of *MMA*, sponsored by the ASM International Archaeometallurgy Committee, will feature original research and review articles related to archaeometallurgy and the historical applications of metals and nonmetallic materials; the articles will also fit within the journal's broad scope of metallographic analysis and materials characterization. Articles may address studies of artifacts or objects from archaeological excavations, museums, monuments, private collections, public infrastructure projects, and other pieces that reflect historical materials applications. Studies that use modern characterization methods to determine details of past materials extraction, processing, and manufacturing methods are welcome.

Topics include, but are not limited to:

- Characterization studies by SEM-EDS, X-ray diffraction, Raman spectroscopy, FTIR spectroscopy.
- Analysis of slag and crucibles from ancient metallurgical sites.
- Evaluation by means of radioisotopes to determine provenance and/or carbon 14 dating complemented with metallographic characterization.
- Use of phase structure, microstructure, and physical and mechanical property measurements to determine and explain the manufacturing process of artifacts.
- Modeling of artifacts accompanied by a material characterization study scheme by means of metallography and microstructural analysis.

All contributions will be rigorously peer reviewed. More information, including *MMA* submission procedures and tips on preparing your manuscript, can be found under the heading "For Authors" here:

<https://www.springer.com/journal/13632>

Please indicate in your cover letter that you are submitting a contribution to the special issue on Archaeometallurgy.

Interested authors are strongly encouraged to submit an abstract to Professor Patricia S. Carrizo (patricia.carrizo@frm.utn.edu.ar) or Dr. Omid Oudbashi (o.oudbashi@au.ac.ir) for consideration and comments prior to the preparation of a full manuscript.

Submission of abstracts: **June 17, 2022**

Manuscript submission deadline: **September 16, 2022**

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