

Metallography, Microstructure, & Analysis

Second 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**, Senior Lecturer, Department of Conservation, University of Gothenburg (Sweden)
- **Mr. Joseph Paul Mitchell**, Director of Operations, Avedis Zildjian Company (USA)
- **Prof. Joshua Mueller**, Materials Science & Engineering Department, Michigan Technological University (USA)

MMA Editor-in-Chief:

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

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

Topics include, but are not limited to:

- Analysis of slag and crucibles from ancient metallurgical sites.
- Evaluation utilizing 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 using 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 at <https://link.springer.com/journal/13632/submission-guidelines>

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), Dr. Omid Oudbashi (omid.oudbashi@gu.se), Mr. Joseph Paul Mitchell (jmitchell@zildjian.com), or Prof. Joshua Mueller (muellerj@mtu.edu) for consideration and comments before the preparation of a full manuscript.

Abstract Submission Deadline: August 31, 2024

Manuscript submission deadline: November 15, 2024

For more information, please contact Kate Doman, Kate.Doman@asminternational.org