

Special Issue

Electrochemistry in Molten Salts

Message from the Guest Editors

Molten salt-based electrochemical processes are known to be challenging and yet technologically rewarding. Specific topics include, but are not limited to, the science and technology of molten salts, the synthesis and characterization of advanced materials, electrowinning/refining/coating/deposition, sustainable manufacturing, materials recycling, electrochemistry of nuclear materials, materials compatibility, and electrolyte chemistry, as applicable to nuclear reactor technologies and used nuclear fuel reprocessing.

Keywords

- rare earth elements and nuclear materials
- separation
- electrodeposition
- novel materials for deployment in ionic liquids and molten salt systems
- eutectic melts
- modeling and simulation in electrolytic processes
- sustainable manufacturing
- green processing

Guest Editors

Dr. Haiyan Zhao

Chemical and Biological Engineering Department, University of Idaho, Moscow, ID, USA

Dr. Prabhat K. Tripathy

Pyrochemistry and Molten Salt Systems Department, Nuclear Science and Technology Directorate, Idaho National Laboratory, Idaho Falls, ID 83401, USA

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Electrochem
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electrochem@mdpi.com

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Editor-in-Chief

Prof. Dr. Masato Sone
Institute of Innovative Research, Tokyo Institute of Technology, 4259
Nagatsuta-cho, Midori-ku, Yokohama 226-8503, Japan

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