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Criticality of the Rare Earth Elements: Current and Future Sources and Recycling

Guest Editor:

Dr. Simon M. Jowitt

Department of Geosciences,
University of Nevada Las Vegas,
4505, S. Maryland Pkwy., Las
Vegas, NV 89154-4010, USA

simon.jowitt@unlv.edu

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Message from the Guest Editor

Dear Colleagues,

Rare earth elements (REE) are critical to our modern way of life. Little research has been undertaken on the potential for recycling and reuse of REE and the extraction of them from waste material. This Issue focuses on furthering our understanding of the criticality and potential sources of REE, with a specific focus on secondary sources, including waste from mining and processing activities, the potential for extraction of the REE from high technology or electronic waste, and techniques for extracting the REE from unconventional sources. We also invite submissions that cover the positive and negative impact of these potential sources, as well as papers that present research on primary REE mineral deposits, mineral deposits that are prospective for the REE but either are not currently exploited or deport their contained REE to waste, and the potential for future REE production from hitherto unexploited REE-bearing mineral deposit types.

Dr. Simon Jowitt
Guest Editor



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Special Issue