Special Issue

Geology and Mineralogy of Zn-Pb Nonsulfide Deposits

Message from the Guest Editor

"Nonsulfides" is a term, which has been used to define a special deposit type, considered as derived from the weathering of Zn(Pb) sulfide concentrations. Nonsulfide zinc deposits can be distinguished between supergene and hypogene, according to their mineralogy, geological characteristics and genetic setting. The mineralogy of supergene deposits and their location relative to the precursor sulfide bodies reflect the composition of the primary assemblage and host rock, as well as the hydrologic regimes and climate. The economic value of Zn-Pb nonsulfides is highly variable, and it resides on the mineralogy of the contained metals. Some technical problems encountered during processing can be thus mitigated by a better identification of the mineralogical assemblage. This should be a fundamental step in the exploration, because most extraction processes are highly sensitive to mineralogy.

Guest Editor

Prof. Dr. Maria Boni

Department of Earth Sciences, Environment and Resources, University of Naples Federico II, 80138 Napoli NA, Italy

Deadline for manuscript submissions

closed (30 September 2017)

Minerals

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Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/8732

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

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Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth, Germany

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