



3D-Modelling of Crustal Structures and Mineral Deposit Systems

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Message from the Guest Editor

The global distribution of different types of mineralization closely correlates in space and time to geodynamic processes resulting from plate tectonics and supercontinent cycle. Crustal-scale structures in the Earth represent a connectivity network linking deep-seated mineral fluids and uppermost crustal levels. The structural control on sedimentation, magmatism and deformation pattern in different tectonic settings is a key issue to be addressed in complex geological environments with mineralization at local and regional scale. In this light, 3D-modelling integrating multi-disciplinary geodata sets in synergy with validated geological interpretation, provides a better comprehensive understanding and visualization of the structural-geological framework in connection with mineral deposit systems, for further assessment of mineral resources and exploration perspective. The Special Issue “3D-Modelling of Crustal Structures and Mineral Deposit Systems” invites papers dealing with 3D-modelling, structural geology and ore deposits including original applications and new perspectives in research, with contribution from academia, geological surveys and the industry.





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Message from the Editor-in-Chief

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