Earth Science Informatics
Editor-in-Chief: H.A. Babaie

- This international, English-language journal publishes original, interdisciplinary articles on all aspects of Earth Science Informatics, including geoinformatics, computational Earth science, and all aspects of computer applications dealing with the Earth Systems Science (ESS) and planetary and space science. Informatics is the science of the application of formal and computational methods to the systematic analysis, management, interchange, and representation of spatial and temporal data, information, and knowledge. Earth Science Informatics helps accessing, integrating, and processing ESS data with open, extensible, and interoperable computational software allowing Earth and space scientists to acquire, visualize, analyze, and share information about the Earth and space. Earth Science Informatics, as a scientific discipline, and the Earth Science Informatics journal that represents it, focus on the following major aspects:

- Formal representation of the spatial and temporal relationships between entities in the Earth system and space (e.g., semantics, spatial and process ontologies, vocabularies)
- Techniques for spatial and temporal analyses and their applications
- Design, development, and application of software tools to search, store, access, query, share, visualize, analyze and interchange data and knowledge (database, knowledge base)
- Data standardization, interoperability, and federation solutions
- Emerging technologies such as the Semantic Web and their applications in Earth and space science
- Data life cycle: data provenance, stewardship, archiving, preservation, curation, versioning, security, confidentiality, ownership, authenticity, quality, and policy

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