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## New Science and Technology Journals

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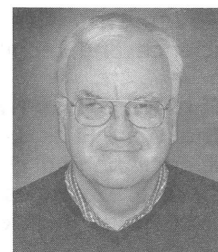
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## New Science and Technology Journals

Earl Mounts



*Engineering in Life Sciences*. 1618-0240. Editors: A. Abeliovich et al. Wiley-VCH. v.4, 2004. 6/year. \$694.00. <http://www3.interscience.wiley.com/cgi-bin/jhome/85007410>

Biotechnology is one of the most breathtaking sciences of the last decade and the journal *Engineering in Life Sciences* reflects its fast moving nature, serving as a worldwide forum for the exchange of scientific information in this field, its interdisciplinary character supporting the transfer of scientific results in environmental, industrial and agricultural biotechnology and health care into technological processes. Concentrating on technology rather than biological fundamentals, *Engineering in Life Sciences* provides useful insight into engineering applications with all papers on microbiology, genetics, biochemistry, and chemistry being technologically relevant. Papers include original research articles, leading articles, and reviews. In addition, there are abstracts from key meetings, correspondence and book reviews.

*Environmental Chemistry Letters*. 1610-3653. Editors: S. Dudd et al. Springer. v.1, 2003. 4/year. \$225.00. <http://www.springeronline.com/sgw/cda/frontpage/0,10735,3-198-0-0-0,00.html>

*Environmental Chemistry Letters* is located at the interfaces of geology, chemistry, physics, and biology. Articles are of high importance to the study of natural and engineered environments in the following fields: characterization of natural and affected environments; behavior, prevention, treatment, and control of mineral, organic, and radioactive pollutants; interfacial studies involving media such as soil, sediment, water, air, organism, and food; green chemistry, environmentally friendly synthetic pathways, and alternative fuels; ecotoxicology and risk assessment; and environmental analytical chemistry, biomolecular tools and tracers e.g. stable isotopes

*IEEE Geoscience and Remote Sensing Letters*. v.1, 2004. 4/year. \$430.00 <http://shop.ieee.org/store/product.asp?prodno=029-196>.

This publication emphasizes rapid turnaround for shorter, high-impact papers on the theory, concepts, and techniques of science and engineering as they apply to the sensing of the

earth, oceans, atmosphere, and space; and the processing, interpretation, and dissemination of this information. Special efforts will be made to accommodate papers containing "extended objects" such as image animations.

*Journal of Electronic Resources in Medical Libraries*. 1542-4065. Editor: M.S. Wood. Haworth Press. v.1, 2004. 4/year. \$240.00. <http://www.haworthpress.com>

The *Journal of Electronic Resources in Medical Libraries* is a peer-reviewed professional journal devoted to the access, evaluation, and management of electronic resources in the medical library environment. The material in the journal will complement articles published in Medical Reference Services Quarterly (also edited by M. Sandra Wood), which highlights the reference and bibliographic instruction aspects of electronic resources. Topics addressed by this new journal include collection development and selection of electronic resources, electronic document delivery in medicine and health care, enhancing electronic resource user services, site licensing, merging serial and book formats in the electronic library, coping with electronic misinformation, fraudulence, and shams on the Internet, the library's role in medical informatics, the role of medical libraries with PDAs, archiving issues for electronic formats, and cost analyses of digital resources.

*Landslides*. 1612-510X. Editor: K. Sassa. Springer. v.1, 2004. 4/year. \$314.00. <http://www.springeronline.com/sgw/cda/frontpage/0,10735,3-40109-70-18981265-0,00.html>

Landslides are gravitational mass movements of rock, debris, or earth. They may occur in conjunction with other major natural disasters such as floods, earthquakes, and volcanic eruptions. Expanding urbanization and changing land-use practices have increased the incidence of landslide disasters. Landslides as catastrophic events include human injury, loss of life, and economic devastation and are studied as part of the fields of earth, water, and engineering sciences. The aim of the journal *Landslides* is to become the common platform for the publication of integrated research on landslide processes, hazards, risk analysis, mitigation, and the protection of our cultural heritage and the

environment. The journal publishes research papers, news of recent landslide events and information on the activities of the International Consortium on Landslides.

*Mediterranean Journal of Mathematics*. 1660-5446. Birkhäuser. v.1, 2004. 4/year. \$260.00. [http://www.birkhauser.ch/journals/9000/9000\\_tit.htm](http://www.birkhauser.ch/journals/9000/9000_tit.htm).

*Mediterranean Journal of Mathematics (MedJM)* is a new publication issued by the Department of Mathematics of the University of Bari. It succeeds the journal "Conferenze del Seminario Matematico dell' Università di Bari" that was published from 1954 until 2003. The journal publishes original peer-reviewed research papers containing significant results in all fields of mathematics. Furthermore, it offers mathematicians from the Mediterranean countries a particular opportunity to circulate results of their research in a common journal.

*Nanotech Briefs*. v.1, 2003. Editor: L.L. Bell. Associated Business Publications. 6/year. \$24.00. <http://www.nanotechbriefs.com/>

*Nanotech Briefs* magazine is the first small-tech publication that focuses on the "technology" of nanotechnology by highlighting the best of government- and industry-developed nanotech and MEMS innovations for the commercial market. Included will be articles on cutting-edge breakthroughs in this rapidly growing field in six digital (PDF) issues in 2004, targeting design engineers and engineering managers who are developing tomorrow's small-tech products today.

*Paddy and Water Environment*. 1611-2490. Editor: Y. Sato. Springer. v.1, 2003. 4/year. \$220.00. <http://www.springeronline.com/sgw/cda/frontpage/0,10735,3-10006-70-1180114-0,00.html?changeHeader=true>

The aim of the journal *Paddy and Water Environment* is to advance the science and technology of water and environment related disciplines in paddy farming. The scope includes paddy-farming related scientific and technological aspects in agricultural engineering such as irrigation and drainage, soil and water conservation, land and water resources management, paddy multi-functionality, agricultural policy, regional planning, bioenvironmental systems, and ecological conservation and restoration in paddy farming regions.

*Poiesis & Praxis*. 1615-6609. Editor-in-Chief: C.F. Gethmann. Springer. v.1, 2001.4/year. \$225.00. <http://www.springeronline.com/sgw/cda/>

[frontpage/0,10735,3-10006-70-1151372-0,00.html?changeHeader=true](http://frontpage/0,10735,3-10006-70-1151372-0,00.html?changeHeader=true)

Awareness of the ambivalence of scientific and technological developments has grown considerably over the last few decades. This is due to the increasing speed of technological advancements and the complexity of technology, advances in biomedicine, and the new options for action which have resulted from these. Additionally, we are becoming conscious of the limits of growth and are discovering long-term global risks related to technological progress. Problems associated with scientific and technological advance and their consequences are accordingly – and to an increasing extent – the subject of political and public debate. *Poiesis & Praxis* is an interdisciplinary forum for reflection and deliberation on the scientific and technological future of our civilization.

*Transformation Groups*. 1083-4362. Editor-in-Chief: E. Vinberg. Birkhäuser. v.1, 2002. 4/year. \$279.00. <http://www.birkhauser.com/journals/tg/index.htm>

*Transformation Groups* accepts research articles containing new results complete proofs.. Topics include: Lie groups and Lie algebras; Lie transformation groups and holomorphic transformation groups; algebraic groups; invariant theory; geometry and topology of homogeneous spaces; discrete subgroups of Lie groups; quantum groups and enveloping algebras; group aspects of conformal field theory; Kac-Moody groups and algebras; and Lie supergroups and superalgebras.

*Zebrafish*. 1545-8547. Editor: P. Collodi. Mary Ann Liebert Inc. v.1, 2004. 6/year. \$424.00. <http://www.liebertpub.com/ZEB/default1.asp>

The only peer-reviewed journal to focus on the zebrafish that has many valuable features as a model organism for study of vertebrate development. Due to its prolific reproduction and the external development of the transparent embryo, the zebrafish is a prime model for genetic and developmental studies, as well as research in toxicology and genomics. While genetically more distant from humans, the vertebrate zebrafish nevertheless has comparable organs and tissues, such as heart, kidney, pancreas, bones, and cartilage. Demand for zebrafish at National Institutes of Health (NIH) has been fast growing as word spreads that the tiny, black-striped creature makes an excellent supplement and, in some cases, alternative to lab mice for research. The NIH will break ground for a new facility to breed and house zebrafish for intramural research. *Zebrafish* will also include research with other aquarium species such as medaka, fugu, and xiphophorus.