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## New Science and Technology Journals

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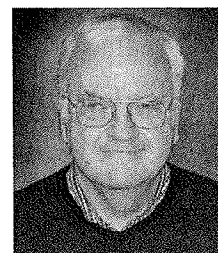
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***Air Quality, Atmosphere and Health.*** 1873-9318. Springer. v.1, 2007. 4/year. \$363.00. <http://www.springer.com>

*Air Quality, Atmosphere and Health* is a multidisciplinary journal focusing on the atmospheric consequences of human activities and their implications for human and ecological health. Among the topics addressed are acid precipitation; aerosol and particulate matter; air quality monitoring; air quality management; atmospheric chemistry; atmospheric modeling and prediction; air pollution climatology; air pollution measurement; atmospheric environment; atmospheric impact assessment; atmospheric science; clean air technology; climate change and air quality; environmental sciences; exposure assessment; forest-fire emissions; greenhouse gases; health effects; indoor air quality; regional/global change; risk assessment; and satellite measurement.

***CAP journal: Communicating Astronomy with the Public.*** 1996-5621. IAU Division XII Commission 55. v.1, 2007. 4/year. Free. <http://www.capjournal.org/index.php>

Public communication of astronomy provides an important link between the scientific astronomical community and society, giving visibility to scientific success stories and supporting both formal and informal science education. While the principal task of an astronomer is to further our knowledge of the universe, disseminating this new information to a wider audience than the scientific community is becoming increasingly important.

The International Year of Astronomy 2009 will serve as a unique platform to inform the public about the latest discoveries in astronomy as well as to emphasize the essential role of astronomy in science education. The main objectives of the journal are documenting and absorbing knowledge, providing a basis for discussions, establishing priorities in the field, furthering careers through documentation of the excellence of the individual, and helping to avoid duplication of effort. The editors would like to see the astronomy outreach community deeply involved in this journal's evolution and production.

***Global Environment: A Journal of History and Natural and Social Sciences.***

1750-7979. Chartered Institution of Water and Environmental Management. 2006. 2/year. £22.50. <http://eseh.org/resources/publishers/GlobalEnvironment>

*Global Environment* intends to act as a link for ongoing research on the environment and world history, with special regard to the modern and contemporary ages. The intent is to stimulate and gather studies and research which, in spite of diverse approaches and themes, share a conception of the environment as a perspective from which to look at the problems of the world and its history, at conceptions of economic development, social and productive relations, government, and relations between peoples.

The journal intends to transcend the Western centric and "developmentalist" bias that has informed international environmental historiography so far. The journal should favor the emerging of spatially and culturally diversified points of view. The editorial board of the journal is composed of researchers living and studying in Europe and North America, South America, Africa, Asia and Australia.

***IJIRE: International Journal of Internet Research Ethics.*** 1936-492X. Center for Information Policy Research, School of Information Studies, University of Wisconsin-Milwaukee. 2008. 2/year. Free. <http://www.uwm.edu/Dept/SLIS/cipr/ijire/>

The *IJIRE* is the first peer-reviewed online journal dedicated specifically to cross-disciplinary, cross-cultural research on internet research ethics. All disciplinary perspectives, from those in the arts and humanities, to the social, behavioral, and biomedical sciences, are reflected in the journal. With the emergence of internet use as a research locale and tool throughout the 1990s, researchers from disparate disciplines, ranging from the social sciences to humanities to the sciences, have found a new fertile ground for research opportunities that differ greatly from their traditional biomedical counterparts. Are the ethical obligations of researchers conducting

research online somehow different from other forms of research ethics practices?

As the internet continues to transform and diffuse, new research ethics questions arise – e.g., in the areas of blogging, social network spaces, etc. Such questions are at the heart of IRE scholarship, and such general areas as anonymity, privacy, ownership, authorial ethics, legal issues, research ethics principles (justice, beneficence, respect for persons), and consent are appropriate areas for consideration.

***Insect Conservation and Diversity.*** 1753-4598. Blackwell. v.1, 2008. 4/year. \$905.00. <http://www.blackwellpublishing.com/journal.asp?ref=1752-458X&site=1>

This journal publishes papers within the general area of insect (and other arthropods) conservation and diversity covering topics ranging from ecological theory to practical management. *Insect Conservation and Diversity* explicitly associates the two concepts of insect diversity and insect conservation for the benefit of invertebrate conservation. The journal places an emphasis on wild arthropods and specific relations between arthropod conservation and diversity. Key topics covered in the journal will include biogeography, climate change (and its impacts on distributions and range), conservation genetics, global biodiversity, integrating conservation science and policy, and long-term planning and implementation.

Topics include conservation genetics, extinction, management responses of species and communities, captive breeding programs, comparisons of restored and natural habitats, metapopulation dynamics, invasive species impacts and control, genetic threats to diversity by introgression and more.

***International Journal of Sustainable Engineering.*** 1939-7038. Taylor & Francis. v.1, 2008. 4/year. \$546.00. <http://www.tandf.co.uk/journals/titles/19397038.asp>

The *International Journal of Sustainable Engineering* is predicated on the need for engineers to have access to a source of information and an opportunity to share new ideas and solutions for sustainable development. Engineering and sustainable development are intrinsically linked. All capital plant and every consumable product depends on an engineering input through design, manufacture

and operation, if not for the product itself then for the equipment required to process and transport the raw materials and the final product. Many aspects of sustainable development depend directly on appropriate and timely actions by engineers. Sustainable solutions have not only an environmental dimension but also economic and social dimensions, thus extending the multi-disciplinary nature beyond engineering.

Topics include engineering design for sustainable development, sustainable technology innovation, life-cycle engineering, energy conservation and low-carbon manufacturing, sustainable material development, sustainable packaging solutions, sustainable process engineering, sustainable construction for the built environment, product versus service paradigms, sustainable transport engineering, and engineering education for sustainable development.

***Journal of Flood Risk Management.*** 1753-318X. Blackwell. v.1, 2008. 4/year. [http://www.blackwellpublishing.com/jfrm\\_enhanced/](http://www.blackwellpublishing.com/jfrm_enhanced/)

*Journal of Flood Risk Management* provides an international platform for knowledge sharing in all areas related to flood risk. Its aim is to disseminate ideas across the range of disciplines where flood related research is carried out. It contains leading edge academic papers as well as applied content with the practitioner in mind. Readers and authors include hydrologists, meteorologists, geographers, geomorphologists, conservationists, civil engineers, social scientists, policy makers, insurers and practitioners. Examples of areas covered include, but are not restricted to, hydrology; coastal, storm and surge; climate change; infrastructure management; flood event management and disaster recovery; flood forecasting/warning; land use management/spatial planning; uncertainty analysis and risk; environment (geomorphology, sediments, habitat), and health & social aspects of flooding.

***Journal of Transportation Security.*** 1938-7741. Springer. v.1, 2008. 4/year. <http://www.springer.com/business/production/journal/12198>

The events of 9/11 and beyond have compelled stakeholders to look at transport security as much more than merely another element of the global networks that move people and goods. An activity that was previously viewed as a routine component of modern transportation is now seen

as both a vital necessity and a national priority. Transportation security lies at the core of many important areas of study, including supply chain and logistics; information technology; public policy; international business; political science; engineering; transportation; economics; and counterterrorism, among others. This journal claims to be the first to take a global, apolitical, and in-depth multidisciplinary look at the field. The mission of the journal is to disseminate new research, thought, and analysis for teachers, researchers, policy makers and practitioners around the world who view transportation security as a critical element in the post 9/11 world.

***Statistical Analysis and Data Mining.*** 1932-1864. Wiley. v.1, 2008. 6/year. <http://www.wiley.com/WileyCDA/WileyTitle/productCd-SAM.html>

*Statistical Analysis and Data Mining* addresses the broad area of data analysis, including data mining algorithms, statistical approaches, and practical applications. Topics include problems involving massive and complex datasets, solutions utilizing innovative data mining algorithms and/or novel statistical approaches, and the objective evaluation of analyses and solutions. Of special

interest are articles that describe analytical techniques, and discuss their application to real problems, in such a way that they are accessible and beneficial to domain experts across science, engineering, and commerce. The focus of the journal is on solving data analysis problems associated with massive, complex datasets; describing innovative data mining algorithms or novel statistical approaches; and comparing and contrasting techniques to solve a problem, along with an objective evaluation of the analyses and the solutions.

***Wild Rhode Island.*** Rhode Island Department of Environmental Management. v.1, 2008. 4/year. Free. <http://www.dem.ri.gov/programs/bnatres/fishwild/wrindex.htm>

This online newsletter published by the Rhode Island Department of Environmental Management Division of Fish and Wildlife provides information on hunting and fishing regulations and facts about Rhode Island wildlife and habitats. Recent articles include Summer Flounder in 2008, Ice Fishing in Rhode Island, Galilee Bird Sanctuary—Winter Waterfowl Destination, New Atlas Shows Eelgrass Increasing in Narragansett Bay, and Spotlights on the American Eel and the Atlantic Brant.❖