

Topical Collections

WETLANDS publishes various article types, including original research and reviews. Reviews that potentially appeal to the widest audience and are in-depth and over-arching in the fields of wetland science and management may be considered as *Mark Brinson Reviews*.

Contributions to WETLANDS are also published in a wide range of *Topical Collections*. Authors are requested to select the Topical Collection that best fits their work by choosing the appropriate Topical Collection when submitting a manuscript. Please check the Journal Updates for detailed descriptions of each collection.

How to submit?

Submit your article to one of the Topical Collections via [Editorial Manager](#) or by clicking on the **Submit manuscript** button on the home page of Wetlands. At first submission select the **article type**: research article, short communications or review. Further down during submission you will be asked if you are submitting to a Topical Collection. Please select 'yes' and choose one the Topical Collections from the drop down menu.

Once accepted for publication, these papers will appear in the regular online issues of WETLANDS as normal and simultaneously also in one the continuous [collections](#) on the specific topic. The title of the collection will also be included in a banner in the online PDF of the article. For further information, please feel free to contact the Editor in Chief, Marinus L. Otte.

Please find detailed information about each of the Topical Collections below:

- Applied Wetland Science
- Coastal Wetlands
- Constructed Wetlands
- Degradation and Ecological Restoration of Estuarine Wetlands in China
- Ecosystem Services of Wetlands
- Forested Wetlands
- General Wetland Science
- Paleoecology of Wetlands
- Peatlands
- Ramsar
- Riparian Wetlands and Floodplains
- Social and Economic Aspects of Wetlands
- Spring ecosystems and associated wetlands and headwaters
- Wetlands Algae and Cyanobacteria
- Wetland Animals
- Wetland Biodiversity
- Wetland Biogeochemistry
- Wetland Conservation
- Wetland Ecology
- Wetlands Education
- Wetland Hydrology and Geomorphology
- Wetland Invasions
- Wetland Microbiology
- Wetland Policy and Legislation
- Wetland Pollution
- Wetland Restoration
- Wetland Soils

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Wetland Vegetation
Wetlands and Global Change
Wetlands and Indigenous People
Wetlands in the Developing World

Applied Wetland Science

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights research by and for managers and practitioners. Examples include wetland condition assessment, wetland delineation, mitigation banking, conservation, and management.

Coastal Wetlands

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection includes research on wetlands such as lagoons, mangroves, seagrass beds, salt marshes, and estuarine tidal wetlands, as well as freshwater and brackish wetlands along large bodies of water, such as the Great Lakes in North America, the Baltic Sea and the Black Sea in Europe, and the Caspian Sea between Europe and Asia. Because they are in a strategic location for trade, these systems are often heavily impacted by urban and industrial developments. They are also threatened by sea level rise. At the same time, they provide protection from the effects of severe storms, and are of invaluable importance to fisheries.

Constructed Wetlands

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights any research related to constructed wetlands. Examples include studies on hydrology, substrates, biogeochemical processes and cycling related to efficacy, construction of wetlands for the purpose of hydraulic buffering, improvement of water quality, and creation of habitat, as well as follow-up studies on the success of such efforts.

Degradation and Ecological Restoration of Estuarine Wetlands in China

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. The aim of this collection is to highlight studies on changes in ecological processes, ecosystem functions and services of Chinese estuarine wetlands due to, for example, changes in land-use, sealevel-rise, pollution, ecological restoration, conservation and management.

Ecosystem Services of Wetlands

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights research related to ecosystem services and the value of wetlands in terms of ecology, economy and the well-being of humans and their environment.

Forested Wetlands

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights research on wetlands with trees, natural or planted. Examples include studies on tree ecology and ecophysiology, seed dispersal, and biodiversity, as well as silviculture in wetlands.

General Wetland Science

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This is a collection of papers that are not specific to the other Topical Collections. Examples include papers that have over-arching themes and review papers that express an opinion on current topics. An example of the latter would be [Geographically Isolated Wetlands](#) by Mushet et al. (2015) (Open Access).

Paleoecology of Wetlands

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights research on long-term environmental changes in wetlands, including paleoecological, paleolimnological, paleohydrological, paleoclimatic or geochronological studies. These studies may focus on, for example, microfossil or geochemical tracers preserved in wetland sediments, including pollen, diatoms, testate amoebae, plant macrofossils, stable isotopes, biomarkers, nutrient indices, or trace element concentrations. Studies of fossils and artefacts to assess utilization of wetlands by humans in the archaeological record are also welcome.

Peatlands

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights research related to peatlands, including, for example, studies on permafrost, carbon storage, effects of climate change, ecology, restoration, and conservation.

Ramsar

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights research related to wetlands designated as 'Ramsar sites', see <http://www.ramsar.org/>. The studies may be about specific Ramsar sites, about the Ramsar Convention and its further development, or any other issue related to wetlands and the Ramsar Convention.

Riparian Wetlands and Floodplains

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights wetlands along streams and rivers. This includes, for example, studies on the importance of riparian corridors to migration of organisms and energy flow, their functions in hydrological buffering and in removal of pollutants from waters, in provision of connectivity between streams and wetlands, and on changes due to alterations in hydrology.

Socio-economic Aspects of Wetlands

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights wetland research in the context of sociology, socio-ecology and economy. Such studies are particularly relevant in light of the growing global population and urbanization, resulting in ever-increasing demands for clean water. Examples include the social, aesthetic, and economic values of wetlands to regional populations and their cultures, value of preserving/managing one type of wetland over another, as well as the need for regionally/globally unified regulatory frameworks.

Spring ecosystems and associated wetlands and headwaters

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. Spring ecotones and related groundwater dependent ecosystems (GDE) are, and will ever increasingly be in the future, the source warranting base flow of most surface running-water systems. They are fundamental water resources and at the same time of pivotal importance for freshwater biodiversity conservation. They host threatened (Red List), rare, and often highly specialized and relatively isolated species. They are excellent sentinel environments to monitor the ecological effects of environmental and climate change.

Wetlands Algae and Cyanobacteria

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. Amongst the organisms colonizing wetlands, algae and cyanoprokaryotes play an important role, even if scarcely visible. Taxa numbers can be remarkably high, and the contribution to overall wetland biodiversity is thus relevant. Most prominent groups vary according to wetland type (for example diatoms and

desmids in peatlands), and include diatoms, cyanobacteria, green algae. Wetland algae are impacted by all types of direct and indirect impacts affecting wetlands and are excellent indicators to be used for condition and integrity assessments and to monitor environmental and climate change.

Wetland Animals

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. Although diving ducks defined the Ramsar Convention, wetlands are not usually defined by the presence of wetland fauna. Yet animals, of course, play a pivotal role in the ecology of wetlands. This collection may include, for example, studies on diversity of invertebrates and vertebrates in wetlands, effects of animals, such as beaver and deer, on wetlands, wetlands as refuges for animals, and how herbivores, such as beaver and hippopotamus, are keystone wetland species.

Wetland Biodiversity

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights research on biodiversity of wetlands. Biodiversity is decreasing rapidly on a global scale. Examples of studies include comparison of current diversity with past datasets, assessments of diversity of under-studied groups of organisms, and factors affecting biodiversity, natural and anthropogenic.

Wetland Biogeochemistry

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. The biogeochemistry of wetlands is what sets them aside from all other types of ecosystems – particularly the juxtaposition of anaerobic and aerobic conditions. Examples of studies in this collection include efforts to understand the processes underlying cycling of elements and energy, biological and chemical aspects of carbon sequestration, and the mechanisms underlying removal of pollutants from water.

Wetland Conservation

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights any research related to conservation of wetlands. Examples include reports on the development of conservation policies and practices, as well as studies on the success of conservation.

Wetland Ecology

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection is about understanding the complex interactions among organisms and their environment. Examples include studies on community composition, species interactions, population dynamics, food-web analyses, mediation of ecosystem processes by wetland species, and distribution of wetland organisms in response to spatial and temporal variation in habitat factors.

Wetlands Education

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights research related to formal and informal education about wetlands. Examples include the efficacy of education of targeted groups to improve understanding of the value of wetlands or topics such as the history of formal education about wetlands in schools and universities.

Wetland Hydrology and Geomorphology

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. The presence of water at or near the surface is one of the three main characteristics defining a wetland. This collection includes studies focusing on hydrology and geomorphology at different spatial and

temporal scales, for example within individual wetlands, wetland complexes, watersheds, and regional and global cycling of water.

Wetland Invasions

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. Mobility of humans and goods has increased dramatically, particularly in recent decades, and thus so have introductions of non-native species in wetlands around the world. This collection includes studies on changes in wetland communities due to invasions of non-native species, on the question of whether perceived non-native species really are not native, as well as on efforts to prevent or manage invasions.

Wetland Microbiology

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. Microorganisms drive the unique biogeochemistry of wetlands and mediate important underlying ecosystem services such as element cycling and removal of pollutants from water. This collection contains any studies that focus on the rapidly advancing sub-discipline of wetland microbiology.

Wetland Policy and Legislation

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. Policies and laws pertaining to wetlands are intended to guide management decisions and, ideally, promote sustainable use. However, these laws can also drive research, for example to determine what exactly constitutes a wetland, and how to best implement policy and law. This collection includes studies on the effects of changes in policy and law on wetlands, and on studies that address questions relevant to implementation of policy and law. This collection may also include reviews that state a particular opinion relating to policy and law.

Wetland Pollution

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. Pollution refers to the introduction of potentially toxic substances into the environment due to human activities. Humans have a long history of polluting wetlands, and the continuing threat negatively impacts water quality and human health. Studies in this collection include long-recognized issues, such as eutrophication and industrial effluents, as well as studies on novel and emerging pollutants, such as pharmaceuticals and plastics.

Wetland Restoration

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlight any research related to restoration of wetlands. Examples include reports on different approaches to wetland restoration and follow-up studies on the success of restoration, including comparisons with reference wetlands.

Wetland Soils

This topical collection highlights research on soils in wetlands. This can include soil physical, chemical and biological properties and processes, and their interactions. Studies can also link to soil processes which influence land-surface interactions, and soil-surface water-groundwater interactions

Wetland Vegetation

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection.

Wetlands and Global Change

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights studies relevant to wetlands in the context of global change. The term 'global change' recognizes that it is not just climate change that is affecting the planet, but also includes changes such as more land being needed to support the ever-increasing global human population, requiring more space to live and grow food, and changing demands on resources. This may include effects of global and climate change on wetlands (for example changes in hydrology, annual precipitation, storm events, land uses) as well as on the effects of wetlands on global and climate change (for example carbon storage, release, hydrological buffering, storm protection).

Wetlands and Indigenous People

Authors are invited to submit regular research articles, short communications and review papers under this specific Topical Collection. This collection highlights the often under-reported value of wetlands to the communities, cultures and traditions of indigenous people around the world.

Wetlands in the Developing World

The aim of this Topical Collection is to highlight wetlands research from the 'developing world', recognizing that the term is misleading, because in a way the world is developing everywhere, continuously. However, in the context of this Topical Collection, 'developing world' refers to regions where thinking about and regulations pertaining to sustainable management of water and wetlands is lagging behind other regions in the world, for example because of economical or societal restraints.