Special Issue

Submarine Groundwater Discharge and Its Effects

Message from the Guest Editors

Submarine groundwater discharge (SGD) is an important source of biologically-active solutes to the coastal ocean that has been widely studied since its discovery in the late 20th century. SGD can be comprised of point source (submarine spring) or non-point source (diffuse) seepage. The literature pertaining to SGD has been dominated by studies that quantify the flux of SGD and associated solutes. Less commonly, studies focus on qualitatively and quantitatively describing processes in the coastal aquifer, also called the subterranean estuary, which affect SGD-associated solute fluxes to the coastal ocean, introducing new techniques, upscaling SGD fluxes to the basin and global scales, and evaluating the impact of SGD on coastal ecology. This Special Issue invites articles describing novel research, technical notes pertaining to methods, and reviews on all topics pertaining to SGD. However, we especially invite studies that explore new methods relevant to SGD, that evaluate the relative contributions of fresh groundwater and recirculated seawater, or that document the impact of SGD on the coastal ocean.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2019)

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Message from the Editor-in-Chief

Hydrology is the study of the waters of the Earth. Hydrology has close ties with hydraulics, hydrogeology and the multiple sciences that study the atmosphere, the land surface, the soil and the subsoil, and ranges from complex problems of risk, forecasting and optimization of water resources to interactions with ecological, urban, social and economic systems. The purpose of *Hydrology* is then to provide a journal where research results and real-world problems can be presented and discussed in order to bridge the traditional gaps between the academic world and the professionals and decision makers. Therefore, *Hydrology*, invites authors to submit their original theoretical, field, experimental, and numerical studies on hydrology with strong emphasis on multidisciplinary approaches and interdisciplinary topics, which cross the typical boundaries of our science.

Editor-in-Chief

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