

MoST

Monitoring Sea-water intrusion
in coastal aquifers and Testing
pilot projects for its mitigation

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Scientific papers

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Hydrogeological Characterization of Coastal Aquifer on the Basis of Observed Sea Level and Groundwater Level Fluctuations: Neretva Valley Aquifer, Croatia

<https://doi.org/10.3390/w12020348>

Mitigation strategies to reduce saltwater intrusion in coastal aquifers: the testing site of Ca' Pasqua, Italy

<https://doi.org/10.5194/egusphere-egu2020-13299>

Hydrogeochemical evidence of seawater intrusion: a case study in Venice farmland

<https://doi.org/10.5194/egusphere-egu2020-14674>

Seawater intrusion dynamic at the Casetta farmland (Venice). Characterization using HYDRUS-1D

<https://doi.org/10.5194/egusphere-egu2020-13844>

Identification of the Origins of Vadose-Zone Salinity on an Agricultural Site in the Venice Coastland by Ionic Molar Ratio Analysis

<https://doi.org/10.3390/w12123363>

Groundwater Monitoring Systems to Understand Sea Water Intrusion Dynamics in the Mediterranean: The Neretva Valley and the Southern Venice Coastal Aquifers Case Studies

<https://doi.org/10.3390/w13040561>

Hydrostratigraphic setting and groundwater dynamics in high salinized low-lying farmlands at the southern margin of the Venice Lagoon

<https://doi.org/10.5194/egusphere-egu21-13280>

Density-dependent 3D FE modelling of a recharge drain to mitigate saltwater contamination at the Venice farmland

<https://doi.org/10.5194/egusphere-egu21-2897>

A strategy to mitigate soil and water salinity in a coastal farmland at the southern margin of the Venice Lagoon: preliminary results from a 2021 recharge test

<https://doi.org/10.5194/egusphere-egu22-7543>

Assessing the effects of climatic variables on soil and groundwater salinity in a low-lying agricultural field near the Venice Lagoon, Italy

<https://doi.org/10.5194/egusphere-egu22-7756>

Saltwater intrusion modelling for the safeguard of crop production in the Mediterranean

<https://doi.org/10.5194/egusphere-egu22-10559>

Sensitivity, Hazard, and Vulnerability of Farmlands to Saltwater Intrusion in Low-Lying Coastal Areas of Venice, Italy

<https://doi.org/10.3390/w14010064>

Application of multilevel monitoring and wavelet transform analysis for the inspection of ground and surface water dynamics in shallow coastal aquifer

<https://doi.org/10.3390/w14040656>

Modelling Seawater Intrusion Dynamics into River Neretva Coastal Aquifer: Poster

<https://agu2021fallmeeting-agu.ipostersessions.com/?s=EE-BD-C6-A7-1B-DD-FB-F2-23-60-6C-B9-CB-83-FD-F8>

Groundwater-Surface Water Interactions: Integrating Physical, Biological, and Chemical Patterns and Processes Across Systems and Scales VI Poster

<https://agu2021fallmeeting-agu.ipostersessions.com/?s=E4-2F-BE-FD-BD-81-8E-F6-8D-09-62-DA-AF-50-89-FE>