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Editor’s Choice

The papers shown under Editor’s choice have been selected based on their innovative character, as well as on their importance for global food production and improvement of governance with respect to water management systems and flood protection provisions. They illustrate the spectrum and global spreading of topics that are dealt with in Irrigation and Drainage as one of the leading journals in the fields of water management and flood protection. The authors belong to the top experts in the sector and are well recognised by their colleagues.

Environmental impacts of contrasted groundwater pumping systems assessed by life cycle assessment methodology: contribution to the water-energy nexus study
Ludivine Pradeleix, Philippe Roux, Sami Bouarfa, Bochra Jaouani, Zohra Lili-Chabaane and Veronique Bellon-Maurel (Best Paper Award 2016)

Application of photovoltaic pumping technology for growing paddy rice in China
Zhanyi Gao and Jing Liu

How do irrigation and drainage play an important role in climate change adaptation?
Tsugihiro Watanabe

Using remote sensing to estimate evapotranspiration of irrigated crops under flood and sprinkler irrigation systems
Ahmed A. Eldeiry, Reagan M. Waskom and Aymn Elhaddad

SALTMED model performance for quinoa irrigated with fresh and saline water in a Mediterranean environment
Çiğdem Ince Kaya and Attila Yazar

Visualizing particle movement in flat drip irrigation emitters with digital particle image velocimetry
Haisheng Liu, Haosu Sun, Yunkai Li, Ji Feng, Peng Song and Mindi Zhang

Situation, strategies and BMPS to control agricultural NPS pollution in the European Union
Giorgio Provolo, Guido Sali, Claudio Gandolfi, Jeongryeol Jang, Youngkweon Cho and William Magette

Shallow subsurface drainage for managing seasonal flooding in Ganges Floodplain, Bangladesh
Romulus O. Okwany, Sanmugam Prathapar, Ram C. Bastakoti and Manoranjan K.

Probabilistic risk assessment of flood disaster in South Korea under the impact of climate change
Jihoon Park, Moon Seong Kang, Inhong Song, Jung-Hun Song and Sang Min Jun

The role of donors in addressing water problems in Central Asia
Victor A. Dukhovny, Vadim I. Sokolov and Dinara R. Ziganshina

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