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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.

Water, food and energy supply chains for a green economy
Willem F. Vlotman and Clarke Ballard

Integrated management tool for water, crop, soil and N-Fertilizers: The SALTMed model
Ragab Ragab

Performance assessment for irrigation water management: Case study of the Great Chao Phraya Irrigation scheme
Wimolpat Bumbudsanpharoake and Somkiat Prajamwong

Participatory irrigation management practices in Azerbaijan and future development needs
Mehman Ağarza Oğlu Rzayev

Role of women in the irrigated agriculture sector in the Fergana Valley: Findings of field surveys
Galina V. Stulina

The ratio controller for regulation of turnout flow rate
Blair L. Stringam and Tony L. Wahl

Water distribution of traditional Karez irrigation systems in Afghanistan
M. J. Khan, G. Pacha, M. Shahzad Khattak and R. Oad

Analysing climate change impacts on water productivity of cropping systems in the Murray Darling Basin, Australia
Yinhong Kang, Shahbaz Khan and Xiaoyi Ma

Subsurface drainage—what's next
James E. Ayars and Robert G. Evans

Assessment of water salinity effect on physical clogging of synthetic drainage envelopes by permeability tests
A. Hassanoghli and S. Pedram