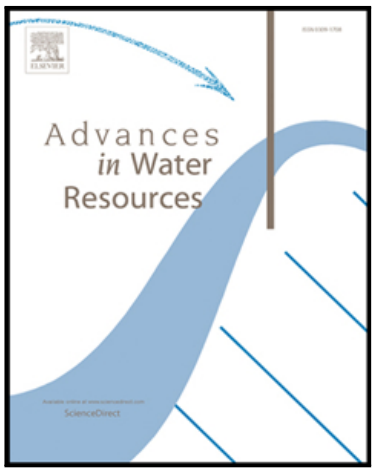


# Integrated Modeling Approach for Optimal Management of Water, Energy and Food Security Nexus

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PII: S0309-1708(16)30828-4
DOI: 10.1016/j.advwatres.2016.12.017
Reference: ADWR 2761

To appear in: *Advances in Water Resources*

Received date: 10 June 2016
Revised date: 7 November 2016
Accepted date: 27 December 2016

Please cite this article as: Xiaodong Zhang , Velimir V Vesselinov , Integrated Modeling Approach for Optimal Management of Water, Energy and Food Security Nexus, *Advances in Water Resources* (2016), doi: 10.1016/j.advwatres.2016.12.017

**Highlights:**

- An integrated model analysis framework and tool called WEFO.
- Multi-period socioeconomic model for water-energy-food nexus.
- Interactions among water, energy, and food are simultaneously addressed.
- Tradeoffs among economic objectives, resource constraints and environmental impacts.