

## **CHAPTERS IN BOOK**

- CROSATO A., ALI Y.S.A. & PARON P. (accepted). *Nile River – Geomorphology and sediment issues*. In: The Status and Future of the World's Large Rivers, editors Helmut Habersack and Des Walling, Wiley.
- ALI Y.S.A. (2014): The impact of soil erosion in the Upper Blue Nile on downstream reservoir sedimentation. Ph.D. Thesis, Technical University of Delft, the Netherlands, ISBN 978-1-138-02742-8 (Taylor & Francis Group).

## **PEER-REVIEWED INTERNATIONAL JOURNAL PUBLICATIONS**

- ALI Y.S.A, Paron.P, A. CROSATO, Y.A. MOHAMED (2017) Transboundary sediment transfer from source to sink using a mineralogical analysis. Case study: Roseires Reservoir, Blue Nile, Sudan, International Journal of River Basin Management, pp. 1-15.
- Y.S.A. Ali, A. Crosato, Y.A. Mohamed, S.H. Abdalla, N.G. Wright, J.A. Roelvink (2014) Water resource assessment along Blue Nile River using 1D model, Proceedings of ICE, Water Management Journal.DOI: 10.1680/wama.13.00020.
- ALI Y.S.A., CROSATO A., MOHAMED Y.A., ABDALLA S.H. & WRIGHT N.G. (accepted). Sediment balances in the Blue Nile River Basin. International Journal of Sediment Research, Vol. 29, No 3, pp. 1-13.
- OMER A.Y.A., ALI Y.S.A., CROSATO A., PARON P. ROELVINK J.A. & DASTGHEIB A., 2014. Modelling of sedimentation processes inside Roseires Reservoir (Sudan). Earth Surf. Dynam. Discuss., 2, 153-179, [www.earth-surf-dynam-discuss.net/2/153/2014/](http://www.earth-surf-dynam-discuss.net/2/153/2014/), doi:10.5194/esurfd-2-153-2014.
- ALI Y.S.A., CROSATO A., PARON P and MOHAMED Y.A.(2017), Transboundary sediment transfer from source to sink using a mineralogical analysis. Case study: Roseires Reservoir, Blue Nile, Sudan. International Journal of River Basin Management. Vol. 16, No 4, pp. 477-491. [DOI:10.1080/15715124.2017.1411919](https://doi.org/10.1080/15715124.2017.1411919)
- ALI Y.S.A., (2018), The Impacts of Reservoir Operation Modification Assessment; Case study Jebel Aulia Reservoir in Sudan. Saudi Journal of Civil Engineering, Vol. 2, No 2, pp. 131-146

## **PUBLICATION IN CONFERENCE PROCEEDINGS**

- ALI Y.S.A., A. CROSATO (2009) *Morphological processes of Blue Nile River between Roseires and Sennar Dams*. In: the International Conference on Water Conservation in Arid Regions in King Abdulaziz University, Water Research Center, Jaddah- Kingdom of Saudi Arabia.
- ALI Y.S.A, J.A. ROELVINK, N.G. WRIGHT, Y.A. MOHAMED, A. CROSATO (2012) *Quantification of water uses along the Blue Nile River network using a one dimension (1D) hydrodynamic model*. In: NCR-days 2012, Book of Abstracts, R. Schielen (Ed.), Publ. of

the Netherlands Centre for Riverstudies (NCR) 36-2012, pp. 22-24. <http://www.ncr-web.org/ncr-days/ncr-book-of-abstracts>

- ALI Y.S.A., A. CROSATO (2013) *Sediment balances in the Blue Nile River Basin*. In: NCR-Days 2013, Book of Abstracts, A. Crosato, 2013 (Ed.), Publ. of the Netherlands Centre for Riverstudies (NCR) 37-2013, pp. 3-23 - 3-24. <http://www.ncr-web.org/ncr-days/ncr-book-of-abstracts>
- ALI Y.S.A., A. CROSATO, Y.A. MOHAMED, S.H. ABDALLA, N.G. WRIGHT, J.A. ROELVINK (2013) *Morphodynamics impacts of the Grand Renaissance Dam construction and Roseires Dam heightening along Blue Nile River*. In: The New Nile Perspectives conference, Khartoum, Sudan, May 2013.
- P. PARON, ALI Y.S.A, A. CROSATO, Y.A. MOHAMED (2013) *Sediment budget and fingerprinting in the Blue Nile Basin: Roseires Reservoir case study*. In: The New Nile Perspectives conference, Khartoum, Sudan, May 2013.
- ALI Y.S.A, A.Y.A. OMER AND A. CROSATO (2013) *Modelling of sedimentation processes inside Roseires Reservoir (Sudan)*. In: The 8th Symposium on River, Coastal and Estuarine Morphodynamics (RCEM 2013), University of Cantabria ,Santander, Spain, June 2013.
- KHALID B., IGBAL S., AGEEL B., MOHAMED A. and ALI Y.S.A (2014): *The Impact of Climate Change on Crop Productivity in the Eastern Nile Basin of Sudan*. In: Nile Basin Development Forum, Nairobi, Kenya, October 6-7.
- ALI Y.S.A, AMGAD Y. A. OMER, ALESSANDRA CROSATO, YASIR A. MOHAMED, PAOLO PARON, NIGEL G. WRIGHT (2014): *Linking sediment source to sink. Case study: the trans-boundary Blue Nile River*. In: Nile Basin Development Forum, Nairobi, Kenya, October 6-7.
- ALI Y.S.A, AHMED S. HAYATY AND YASIR A. MOHAMED (2014): *Modifying the Operation Rules of Jebel Aulia Reservoir for higher reservoir levels*. In: Nile Basin Development Forum, Nairobi, Kenya, October 6-7.
- ALI Y.S.A., A. CROSATO, Y.A. MOHAMED (2014) *The impact of soil erosion in the Upper Blue Nile on downstream reservoir sedimentation*. In: The second New Nile Perspectives conference, Khartoum, Sudan, December 2014.

### **OTHER PUBLICATIONS**

- ALI Y.S.A (2006): Calibration of Hydraulic structures in Gezira irrigation scheme, M.Sc Thesis, University of Gezira, Wad Medani, Sudan, February 2006.
- ALI Y.S.A (2008): Morphological processes of Blue Nile River in Sudan, M.Sc Thesis, UNESCO-IHE, April 2008.
- Salih H. and ALI Y.S.A (2014): The design guidelines on flood-based farming systems; Hydrology and water resources analysis for Irrigation for Rural Economic Growth & Poverty Alleviation II.