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1. Beschoner, N., 1992. Water and Instability in the Middle East. International Institute for Strategic Studies: London, pp: 82.
2. Allen, A., 2002. The Middle East Water Question: Hydropolitics and the Global Economy. I B Tauris: London, pp: 382.
3. Conway, D., 2005. From headwater tributaries to international river: Observing and adapting to climate variability and change in the Nile basin. *Global Environmental Change*, 15: 99-114.
4. Mohamed, Y.A., H.H.G. Savenije, W.G.M. Bastiaanssen and B.J.J.M. Van den Hurk, 2005a. New lessons on the Sudd hydrology learned from remote sensing and climate modeling. *Hydrol. Earth Sys. Sci. Discuss.*, 2: 1503-1535.
5. Mohamed, Y.A., B.J.J.M. Van den Hurk, H.H.G. Savenije and W.G.M. Bastiaanssen, 2005b. Hydroclimatology of the Nile: results from a regional climate model. *Hydrology and Earth System Sciences*, 9: 263-278.
6. Mohamed, Y.A., B.J.J.M. Van den Hurk, H.H.G. Savenije and W.G.M. Bastiaanssen, 2005c. Hydroclimatology of the Nile: results from a regional climate model. *Hydrol. Earth Syst. Sci. Discuss.*, 2: 319-364.
7. El-Bastawesy, M., S. Gabr and K. White, 2012. Hydrology and geomorphology of the Upper White Nile lakes and their relevance for water resources management in the Nile basin. *Hydrological Processes*.
8. Williams, M.A.J., 2009. Late Pleistocene and Holocene environments in the Nile basin. *Global and Planetary Change*, 69: 1-15.
9. Said, R., 1993. The Nile river: Geology, hydrology and utilization. Oxford: Pergamon Press.
10. Embabi, N.S., 2004. The geomorphology of Egypt : landforms and evolution. Cairo, Egypt: Egyptian Geographical Society.
11. Sutcliffe, J.V. and Y.P. Parks, 1987. Hydroflogical modelling of the Sudd and Jonglei Canal. *Hydrological Sciences*, 32: 143-159.
12. Mohamed, Y.A., B.J.J.M. Van Den Hurk and H.H.G. Savenije, 2007. Moisture recycling over the Nile basin. In, *The third International Symposium on Integrated Water Resources Management* (pp: 18-23). Bochum, Germany: IAHS Publ.
13. Petersen, G., J.A. Abeya and N. Fohrer, 2007. Spatio-temporal water body and vegetation changes in the Nile swamps of southern Sudan. *Advances in Geosciences*, 11: 113-116.
14. Ahmed, A.A. and U.H. Ismail, 2008. Sediment in the Nile River System. In, *UNESCO-IHP-International Sediment Initiative*, pp: 104.
15. Padoan, M., E. Garzanti, Y. Harlavan and I.M. Villa, 2011. Tracing Nile sediment sources by Sr and Nd isotope signatures (Uganda, Ethiopia, Sudan). *Geochimica et Cosmochimica Acta*, 75: 3627-3644.
16. Ramsis, B.S., 1987. The evolution of the River Nile. The buried saline rift lakes in Sudan I. Bahr El Arab Rift, the Sudd buried saline lake. *Journal of African Earth Sciences*, 6: 899-913.
17. Ramsis, B.S., 1997. Rift Basins of the Sudan. In K.J. Hstiü (Ed.), *African Basins. Sedimentary Basins of the World*, 3 (pp: 105-149). Amsterdam: Elsevier Science B.V.
18. Sutcliffe, J.V. and Y.P. Parks, 1999. The Hydrology of the Nile. In, *IAHS Special Publication No. 5*. Wallingford, Oxfordshire: Institute of Hydrology.
19. Petersen, G., J.V. Sutcliffe and N. Fohrer, 2008. Morphological analysis of the Sudd region using survey and remote sensing data. *Earth Surface Processes and Landforms*, 33: 1709-1720.
20. Sutcliffe, J.V. and Y.P. Parks, 1994. The water balsnce of Bahr el Ghazal swamps. In P.P. Howell & J.A. Allan (Eds.), *The Nile: Sharing a Scarce Resource* (pp: 281-298). UK: Cambridge Univ. Press.
21. Mohamed, A.E. and A.S. Mohammed, 2008. Stratigraphy and tectonic evolution of the oil producing horizons of Muglad Basin, Sudan. *J.Sc. Tech*, 9: 1-8.
22. Hassan, F.A., 2007. Extreme Nile floods and famines in Medieval Egypt (AD 930–1500) and their climatic implications. *Quaternary International*, 173-174: 101-112.
23. Mann, D.C., 1989. Thick skin and thin skin detachment faults in continental Sudanese rift basins. *Journal African Earth Sciences*, 8: 307-322.
24. Mc Hargue, T.R., J.L. Heidrick and J.E. Livingstone, 1993. Tectonostratigraphic development of the interior Sudan rifts, Central Africa. *Tectonophysics*, 213: 187-202.
25. Hurst, H.E., 1933. The Nile Basin: Ten-day mean and Monthly mean Gauge readings of the Nile and its tributaries. Cairo, Egypt: Govt. Press.

26. Mohamed, A.Y., M.J. Pearson, W.A. Ashcroft, J.E. Iliffe and A.J. Whiteman, 1999. Modeling petroleum generation in the southern Muglad Rift Basin, Sudan. *American Association Petroleum Geologists Bulletin*, 83: 1943-1964.
27. Rodriguez, E., C.S. Morris, J.E. Belz, E.C. Chapin, J.M. Martin, W. Daffer and S. Hensley, 2005. An Assessment of the SRTM Topographic Products, Technical Report JPL D-31639. In. Pasadena, California: Jet Propulsion Laboratory.
28. NASA. 2006. Shuttle Radar Topography Mission. In
29. Mark, D.M., 1984. Automatic detection of drainage networks from digital elevation models. *Cartographica*, 21: 168-178.
30. Jenson, S.K. and J.O. Domingue, 1988. Extracting topographic structure from digital elevation data for geographical information system analysis. *Photogrammetric Engineering and Remote Sensing*, 54: 1593-1600.
31. Wise, S.M., 2000. Assessing the quality for hydrological applications of digital elevation models derived from contours. *Hydrological Processes*, 14: 1909-1929.
32. ESRI. 1997. Watershed Delineator Application. Redlands, CA.: Environmental Systems Research Institute.
33. Butcher, A.D., 1938. The Sudd Hydraulics. Cairo. Egypt: Government Press.
34. JIT. 1954. The Equatorial Nile Project and its Effects on the Anglo-Egyptian Sudan. Khartoum, Sudan: Sudan Government.
35. Howell, P., M. Lock and S. Cobb, 1988. The Jonglei Canal: Impact and Opportunity. Cambridge: Cambridge University Press.
36. Woodward, J.C., M.G. Macklin, M.D. Krom and M.A.J. Williams, 2008. The Nile: Evolution, Quaternary River Environments and Material Fluxes. Large Rivers (pp: 261-292): John Wiley & Sons, Ltd
37. Gani, N.D., M.G. Abdelsalam, S. Gera and M.R. Gani, 2009. Stratigraphic and structural evolution of the Blue Nile Basin, Northwestern Ethiopian Plateau. *Geological Journal*, 44: 30-56.
38. R.W.C. 1977. Hydrogeological Map of Sudan. Piezometric Surface Map. In R.B. Salama (Ed.): Rural Water Corporation, Sudan.
39. GMRD-Khartoum, 1981. Geological Map of Sudan. In BRGM (Ed.)
40. Salama, R.B., 1987. The evolution of the River Nile. The buried saline rift lakes in Sudan - I. Bahr El Arab Rift, the Sudd buried saline lake. *Journal of African Earth Sciences*, 6(6): 899-913.
41. Abdalla, J.A., E.A.Y. Mohamedzein and A. AbdelWahab, 1996. Towards seismic hazard assessment of Sudan. In, 11th. World Conference on Earthquake Engineering (pp: 8). Acapulco, México: Elsevier Science Ltd