

## References

- Abulohom, M., Shah, S., & Ghumman, R. "Development of a rainfall-runoff model, its calibration and validation". *Journal of Water Resources Management* (2001), 149-163.
- Agarwal, A., & Singh, R. "Runoff modelling through back propagation artificial neural network with variable rainfall runoff data". *Journal of Water Resources Management* (2004), 285-300.
- Amarasinghe, U., Muthuwatta, L., & Sakthivadivel, R. *Water scarcity variations within a country: A case study of Sri Lanka*. Colombo: International Water Management Institute (1999).
- Amarasinghe, U., Muthuwatta, L., & Sakthivadivel, R. *Water supply and demand in Sri Lanka: Differences at district level* (1998).
- Andy, D., & Stanley, W. *Environmental Hydrology* (2nd ed.). Lewis, Boca Raton, FL, USA: CRC Press (2004).
- Bedient, P., & Huber, W. *Hydrology of floodplain analysis* (2nd ed.). New York, USA: Addison-Wesley (1992).
- Boughton, W. "Effect of data length on rainfall runoff modelling". *Environmental Modelling and Software*, (2007), 406-413
- Buishand, T. "Some methods for testing the homogeneity of rainfall records". *Journal of Hydrology* (1982), 11-27.
- Carter, N., Reid, K., & De Leo, R. "Closing the cycle: linking land use planning and water management at the local level". *Journal of Land Use Policy* (2005), 22(2):115-127.
- Chow, V. T., Maidment, D., & Mays, L. *Applied hydrology*. Austin, TX: McGraw-Hill (1988).
- De Smedt, F., Yongbo, L., & Gebremeskel, S. *Hydrologic modelling on a catchment scale using GIS and remote sensed land-use information. In: Risk analyses II*. Southampton, Boston, USA: WIT Press (2000).
- Falkenmark, M., Lundqvist, J., & Widstrand, C. "Macro-scale water scarcity requires micro-scale approaches: Aspects of vulnerability in semi-arid development". *Natural Resources Forum* (1989), 13 (4), 258-267.
- Gleick, P. "Climate Change and International Politics: Problems Facing Developing Countries". *Ambio*, (1989), 18 (6), 333-339.

- Glenn, O., Frevert, R., Kenneth, K., & Edminster, T. *Elementary soil and water engineering* (3rd ed.). New York: John Wiley (1985).
- Irrigation Department database. *Irrigation Department of Sri Lanka* (1970-1981). Referred: 2006.
- Jain, M., Kothiyari, U., & Raju, K. "A GIS based distributed rainfall runoff model". *Journal of Hydrology* (2004), 107-135 .
- Jain, S., Kumar, S., & Varghese, J. "Estimation of soil erosion for a Himalayan watershed using GIS technique". *Journal of Water Resources Management*, (2001), 15 (1), 41-54.
- Jayawardena, A. "Homogeneity tests for rainfall data". *Hong-Kong Engineer* (1990).
- Kalivas, D. P., Kollias, V. J., & Karantounias, G. "A GIS for the assessment of the spatio-temporal changes of the Kotychi lagoon, Western Peloponnese, Greece". *Journal of Water Resources Management* (2003), 17 (1), 19-36.
- Kumar, D., & Sathish, S. "River flow forecasting using recurrent neural networks". *Journal of Water Resources Management* (2004), 18 (2), 143-161.
- Letcher, R., Croke, B., & Jakeman, A. "Integrated assesment modelling for water resources allocation and management: A generalized conceptual framework". *Journal of Environmental Modelling and Software* (2006), 733-742 .
- Li, K., Coe, M., Ramamkutty, N., & De Jong, R. "Modelling the hydrological impact of land use change in West Africa". *Journal of Hydrology* (2007), 258-268.
- Liu, Y. B., Gebremeskela, S., De Smedt, F., Hoffmann, L., & Pfister, L. "A diffusive transport approach for flow routing in GIS-based flood modeling". *Journal of Hydrology* (2003), 283, 91-106.
- Liu, Y., Grebremeskel, S., De Smedt, F., Hoffmann, L., & Pfister, L. "Predicting storm runoff from different land use classes using geographic information system based distributed model". *Journal of Hydrologica Processes* (2005), 533 - 548.
- Loboda, N., Glushkov, A., & Khokhlov, V. "Using meteorological data for reconstruction of annual runoff series over an ungauged area: Empirical orthogonal function approach to Moldova- Southwest Ukraine region". *Journal of Atmospheric Research* (2005), 77, 100-113.
- Mapa, R., Munasinghe, M., Kendaragama, K., & Dassanayake, A. "Development of a digital soil database for Sri Lanka and its applications". *The First National Symposium on Geo-informatics* (2004), 59 - 66. Peradeniya, Sri Lanka: Postgraduate Institute of Agriculture.

- Mapa, R., Somasiri, S., & Nagarajah, S. *Soils of the wet zone of Sri Lanka; Morphology, characterization and classification*. Soil Science Society of Sri Lanka (1999).
- Meteorological Department database *Meteorological Department of Sri Lanka*. (1970-1981).  
Referred: 2006
- Mimi, Z., & Sawalhi, B. “A decision tool for allocating the waters of the Jordan river basin between all riparian parties”. *Journal of Water Resources Management* (2003), 447-461.
- Özyuvaci, N., Özhani, S., Gökbülak, F., & Sereng, Y. “Effect of selective cutting on streamflow in an Oak-Beech forest ecosystem”. *Journal of Water Resources Management* (2004), 249-262.
- Pilgrim, D. “Model evaluation, testing and parameter estimation in hydrology”. In: *T. G. Chapman and F. X. Dunin (eds.), Australian Academy of Science, Canberra* (1975), 305–333.
- Refsgaard, J., & Henriksen, J. “Modelling guidelines-terminology and guiding principles”. *Journal of Advanced in Water Resources* (2004), 71-82 .  
*Report on Western river basin sector project* (1999).
- Sen, Z., & Eljadid, A. “Automated average areal rainfall calculation in Libya”. *Journal of Water Resources Management* (2000), 405-416.
- Silberstein, R. “Hydrological models are so good, do we still need data?” *Environmental Modelling and Software* (2005), 21 (9), 1340-1352.
- Somasekaram, T. *National Atlas of Sri Lanka*. Colombo: Survey Department (1997).
- Water resources database. *Master plan of the electricity supply of Sri Lanka* (1987).
- Wijesekera, N. T., Malone, D. C., & Ranwala, D. A. “Status of water data collection, processing and management: Sri Lanka”. *National conference* . Colombo, Sri Lanka (1998).
- Xu, C. “Estimation of parameters of a conceptual water balance model for ungauged catchments”. *Journal of Water Resources Management* (1999), 353–368.