REFERENCES

Archfield, S. A. and Vogel, R. M. (2010) 'Map correlation method: Selection of a reference stream gage to estimate daily streamflow at ungauged catchments', Water Resources Research, 46(10), pp. 1–15.doi: 10.1029/2009WR008481.

Besaw, L. E. et al. (2010) 'Advances in ungauged streamflow prediction using artificial neural networks', Journal of Hydrology. Elsevier B.V., 386(1–4), pp. 27–37. doi: 10.1016/j.jhydrol.2010.02.037.

Blöschl, G., & Sivapalan, M. (1995). Scale issues in hydrological modelling: a review. Hydrological processes, 9(3-4), 251-290.

Bureau of Meteorology. Good practice Guidelines for Water Data Management Policy (2017).

Byeon, S. J. (2015) 'Water balance assessment for stable water management in island region Docteur en Sciences Water Balance Assessment for Stable Water Management'.

Caldera, H. P. G. M., Piyathisse, V. R. P. C., & Nandalal, K. D. W. (2016). A Comparison of Methods of Estimating Missing Daily Rainfall Data. Engineer: Journal of the Institution of Engineers, Sri Lanka, 49(4).

Carpenter, T. M., and Georgakakos, K. P. (2006) 'Inter-comparison of lumped versus distributed hydrologic model ensemble simulations on operational forecast scales', Journal of Hydrology, 329(1–2), pp. 174–185. doi: 10.1016/j.jhydrol.2006.02.013.

Chang, W., & Chen, X. (2018). Monthly Rainfall-Runoff Modeling at Watershed Scale: A Comparative Study of Data-Driven and Theory-Driven Approaches. Water, 10(9), 1116.

Cheng, Q. et al. (2006) 'GIS modeling for predicting river runoff volume in ungauged drainages in the Greater Toronto Area, Canada', i, pp. 1108–1119. doi: 10.1016/j.cageo.2006.02.005.

Cheng, Y., He, H., Cheng, N., & He, W. (2016). The Effects of Climate and Anthropogenic Activity on Hydrologic Features in Yanhe River Advances in Meteorology, 2016, 1–11. https://doi.org/10.1155/2016/5297158.

Farmer, W. H., and Vogel, R. M. (2013) 'Performance-weighted methods for estimating monthly streamflow at ungauged sites', Journal of Hydrology. Elsevier B.V., 477, pp. 240–250. doi: 10.1016/j.jhydrol.2012.11.032.

Gan, T. Y., Dlamini, E. M., & Biftu, G. F. (1997). Effects of model complexity and structure, data quality, and objective functions on hydrologic modeling. Journal of Hydrology, 192(1–4), 81–103. https://doi.org/10.1016/S0022-1694 (96)03114-9.

Gao, P., Li, P., Zhao, B., Xu, R., Zhao, G., Sun, W., & Mu, X. (2017). Use of double mass curves in hydrologic benefit evaluations. Hydrological Processes, 31(26), 4639–4646. https://doi.org/10.1002/hyp.11377.

Gleick, P. H. (1987). The development and testing of a water balance model for climate impact assessment: modeling the Sacramento basin. Water Resources Research, 23(6), 1049-1061.

Gu, C., Mu, X., Gao, P., Zhao, G., & Sun, W. (2019). Changes in run-off and sediment load in the three parts of the Yellow River basin, in response to climate change and human activities. Hydrological Processes, 33(4), 585–601. https://doi.org/10.1002/hyp.13345.

Gupta, H. V., Sorooshian, S., & Yapo, P. (1996). Automatic calibration of conceptual rainfall-runoff sensitivity to calibration data models: Journal of Hydrology, 181, 23–48.

Gupta, V. K., & Sorooshian, S. (1985). The relationship between data and the precision of parameter estimates of hydrologic models. Journal of Hydrology, 81(1-2), 57-77.

Haan, C. T. (1972). A water yield model for small watersheds. Water Resources Research, 8(I), 58–69.

Harlin, J. (1991) Development of a process-oriented calibration scheme for the HBV hydrological model. Nordic Hydrol. 22(1), 15–36.

Hughes, D. A. (2004). Incorporating groundwater recharge and discharge functions into an existing monthly rainfall-runoff model. Hydrological Sciences-Journal, 49(2), 297–312. doi.org/10.1623/hysj.49.2.297.34834

James, W. (2005). Rules for Responsible Modeling-4th Edition, http://chiwater.com/Files/R184_CHI_Rules.pdf

Jarboe, J. E., and Haan, C. T. (1974) 'Calibrating a water yield model for small ungauged watersheds', Water Resources Research, 10(2), pp. 256–262. doi: 10.1029/WR010i002p00256.

Keshtegar, B., Allawi, M. F., Afan, H. A., & El-Shafie, A. (2016). Optimized River Stream-Flow Forecasting Model Utilizing High-Order Response Surface Method. Water resources management, 30(11), 3899-3914.

Klemeš, V. (1986). Operational testing of hydrological simulation models. Hydrological Sciences Journal, 31:1, 13–24. https://doi.org/10.1080/02626668609491024

Kokkonen, T. S. et al. (2003) 'Predicting daily flows in ungauged catchments: Model regionalization from catchment descriptors at the Coweeta Hydrologic Laboratory, North Carolina', Hydrological Processes, 17(11), pp. 2219–2238. doi: 10.1002/hyp.1329.

Li, C. Z., Wang, H., Liu, J., Yan, D. H., Yu, F. L., & Zhang, L. (2010). Effect of calibration data series length on performance and optimal parameters of the hydrological model. Water Science and Engineering, 3(4), 378-393.

Loucks D.P., van Beek E. (2017) System Sensitivity, and Uncertainty Analysis. In: Water Resource Systems Planning and Management. Springer, Cham.

Lü, H., Hou, T., Horton, R., Zhu, Y., Chen, X., Jia, Y., Fu, X. (2013). The streamflow estimation using the Xinan Jiang rainfall-runoff model and dual state-parameter estimation method. Journal of Hydrology, 480, 102–114. https://doi.org/10.1016/j.jhydrol.2012.12.011

Makhlouf, Z., & Michel, C. (1994). A two-parameter monthly water balance model for French watersheds. Journal of Hydrology, 162(3-4), 299-318

Martin-Carrasco, F., Garrote, L., Iglesias, A., & Mediero, L. (2013). Diagnosing Causes of Water Scarcity in Complex Water Resources Systems and Identifying Risk Management Actions. Water Resources Management, 27(6), 1693–1705. https://doi.org/10.1007/s11269-012-0081-6.

Michaud, J., & Sorooshian, S. (1994). Comparison of simple versus complex distributed runoff models on a midsized semiarid watershed. Water resources research, 30(3), 593-605.

Mohseni, O., & Stefan, H. G. (1998). A monthly streamflow model. Water Resources Research, 34(5), 1287-1298.

Murshed, S. B., & Kaluarachchi, J. J. (2018). Scarcity of freshwater resources in the Ganges Delta of Bangladesh. Water Security, 4–5(November), 8–18. https://doi.org/10.1016/j.wasec.2018.11.002.

Mohamoud, Y. M. (2008) 'Prediction of daily flow duration curves and streamflow for ungauged catchments using regional flow duration curves', Hydrological Sciences Journal, 53(4), pp. 706–724. doi: 10.1623/hysj.53.4.706.

Mohamoud, Y. M. and Parmar, R. S. (2006) 'Estimating streamflow and associated hydraulic geometry, the Mid-Atlantic Region, USA', Journal of the American Water Resources Association, 42(3), pp. 755–768. doi: 10.1111/j.1752-1688.2006.tb04490.x.

Nash, J. E., & Sutcliffe, J. V. (1970). River flow forecasting through conceptual models part i - a disclission of principles. 156, Journal of Hydrology, 10(3), 282–290. https://doi.org/10.1016/0022-1694 (70)90255-6

Negash, W. (2014). Catchment dynamics and its impact on runoff generation: Coupling watershed modelling and statistical analysis to detect catchment responses. https://doi.org/10.5897/ijwree2013.0449

Oudin, L. et al. (2008) 'Spatial proximity, physical similarity, regression and ungaged catchments: A comparison of regionalization approaches based on 913 French catchments', Water Resources Research, 44(3), pp. 1–15. doi: 10.1029/2007WR006240.

Palmer, W.C., 1965. Meteorologic drought. Res. Pap. U.S. Weather Bur, 45, 58 pp.

Patil, S. D. and Stieglitz, M. (2015) 'Comparing spatial and temporal transferability of hydrological model parameters', Journal of Hydrology. Elsevier, doi:10.1016/j.jhydrol.2015.04.003.

Patil, S. and Stieglitz, M. (2012) 'Controls on hydrologic similarity: Role of nearby gauged catchments for prediction at an ungauged catchment', Hydrology and Earth System Sciences, 16(2), pp. 551–562. doi: 10.5194/hess-16-551-2012.

Patil, S. and Stieglitz, M. (2014) 'Modelling daily streamflow at ungauged catchments: What information is necessary', Hydrological Processes, 28(3), pp. 1159–1169. doi: 10.1002/hyp.9660.

Perrin, C., Oudin, L., Andreassian, V., Rojas-Serna, C., Michel, C., & Mathevet, T. (2007). Impact of limited streamflow data on the efficiency and the parameters of rainfall—runoff models. Hydrological sciences journal, 52(1), 131-151.

Perrin, C., Oudin, L., Andreassian, V., Rojas-Serna, C., Michel, C., & Mathevet, T. (2007). Impact of limited streamflow data on the efficiency and the parameters of rainfall-runoff models. Hydrological Sciences Journal, 52(1), 131–151. https://doi.org/10.1623/hysj.52.1.131

Porkka, M., Gerten, D., Schaphoff, S., Siebert, S., & Kummu, M. (2016). Causes and trends of water scarcity in food production. Environmental Research Letters, 11(1), 15001. https://doi.org/10.1088/1748-9326/11/1/015001

Qi, Z., Kang, G., Chu, C., Qiu, Y., Xu, Z., & Wang, Y. (2017). Comparison of SWAT and GWLF model simulation performance in humid south and semi-arid north of China. Water (Switzerland), 9(8). https://doi.org/10.3390/ w9080567

Searcy, J. K., & Hardison, C. H. (1960). Double-Mass Curves, Manual of Hydrology: part1. General Surface Water Techniques, U.S. Geological Survey, Water-Supply Paper 1541-B. United States Government Printing Office, Washington, 66. http://udspace.udel.edu/handle/19716/ 1592

Sorooshian, S., Gupta, V. K., & Fulton, J. L. (1983). Evaluation of Maximum Likelihood Parameter Estimation Techniques for and Length on Model Credibility. Water Resources Research, 19(1), 251–259. https://doi.org/ 10.1029/WR019i001p00251

Thomas, H. A., Improved methods for National Water Assessment, report, contract WR15249270, U.S. Water Resour. Counc., Washington, D.C., 1981

Thornthwaite, C. W., and J. R. Mather, The water balance, Publ. Climatol. Lab. Climatol. Drexel Inst. Technol., 8(1), 1-104, 1955.

Vandewiele, G. L., & Elias, A. (1995). Monthly water balance of ungauged catchments obtained by geographical regionalization. Journal of hydrology, 170(1-4), 277-291.

Vandewiele, G. L., Xu, C. Y., & Ni-Lar-Win. (1992). Methodology and comparative study of monthly water balance models in Belgium, China and Burma. Journal of Hydrology, 134(1–4), 315–347. https://doi.org/10.1016/0022-1694(92)90041-S

Wagener, T., Boyle, D. P., Lees, M. J., Wheater, H. S., Gupta, H. V., & Sorooshian, S. (2001). A framework for development and application of hydrological models. Hydrology and Earth System Sciences, 5(1), 13-26.

Shu, C. and Ouarda, T. B. M. J. (2012) 'Improved methods for daily streamflow estimates at ungauged sites', 48(January), pp. 1–15. doi: 10.1029/2011WR011501.

Smith, M. B. et al. (2012) 'The distributed model inter comparison project - Phase 2: Motivation and design of the Oklahoma experiments', Journal of Hydrology, 418–419, pp. 3–16. doi: 10.1016/j.jhydrol.2011.08.055.

Wijesekera, N. T. S. (2000). Parameter Estimation in Watershed Model: A Case Study Using Gin Ganga Watershed. The Institution of Engineers, Sri Lanka, 1–Part B, 26–32.

Wijesekera, N. T. S. (2018). Classification of Streamflow Observations for Watermanagement,(February).https://doi.org/10.13140/RG.2.2.23605.58089

Wijesekera, N. T. S., & Musiake, K. (1990a). Streamflow Modelling of a Sri Lankan Catchment Considering Spatial Variation of Rainfall. In Proceedings of the 45th Annual Conference of the Association of Civil Engineers Japan

Wijesekera, N. T. S., & Musiake, K. (1990b). Streamflow Modelling of Sri Lankan Catchments (2) - Kalu River Catchment at Putupaula. Seisan Kenkyu, 42(11), 645–648.

Wijesekera, N. T. S., & Musiake, K. (1990c). Streamflow Modelling of Sri Lankan Catchments (1) - Mahaweli River Catchment at Peradeniya. Seisan Kenkyu, 42(11), 645–648.

World Meteorological Organization. (1965). WMO No. 168 - Guide to Hydrometeorological Practices. WMO No. 168. Geneva: World Meteorological Organization (WMO).

Wijesekera, T. (2010) Surface Water Resources and Climate Change HydroGIS Tool Structure : Model for Smartphone and Community-GIS based weather prediction View project Climate change View project Surface Water Resources and Climate Change. Available at: https://www.researchgate.net/publication/313439012.

Xiong, L., & Guo, S. (1999). A two-parameter monthly water balance model and its application. Journal of Hydrology, 216(1–2), 111–123. https://doi.org/10.1016/S0022-1694 (98)00297-2

Xu, C. Y. (1999) 'Estimation of parameters of a conceptual water balance model for ungauged catchments', Water Resources Management, 13(5), pp. 353–368. doi: 10.1023/A:1008191517801.

Xu, C. Y., Seibert, J. and Halldin, S. (1996) 'Regional water balance modelling in the NOPEX area: Development and application of monthly water balance models', Journal of Hydrology, 180(1–4), pp. 211–236. doi: 10.1016/0022-1694(95)02888-9.

Xu, C. Y. and Singh, V. P. (1998) 'A Review on Monthly Water Balance Models for Water Resources Investigations', Water Resources Management, 12(1), pp. 31–50. doi: 10.1023/A:1007916816469.

Yang, X., Sun, W., Li, P., Mu, X., Gao, P., & Zhao, G. (2019). Integrating agricultural land, water yield and soil conservation trade-offs into spatial land use planning. Ecological Indicators, 104.

Yang, X., Sun, W., Li, P., Mu, X., Gao, P., & Zhao, G. (2018). Reduced sediment transport in the Chinese Loess Plateau due to climate change and human activities. Science of the Total Environment, 642, 591–600. https://doi.org/10.1016/j.scitotenv.2018.06.061

Yapo, P. O., Gupta, H. V., & Sorooshian, S. (1996). Automatic calibration of conceptual rainfall runoff models: sensitivity to calibration data. Journal of Hydrology, 181(1-4), 23-48.

Zhang, Y. and Chiew, F. H. S. (2009) 'Relative merits of different methods for runoff predictions in ungauged catchments', 45(February). doi: 10.1029/2008WR007504.

Zhao, G., Mu, X., Jiao, J., Gao, P., Sun, W., Li, E., Huang, J. (2018). Assessing response of sediment load variation to climate change and human activities with six different approaches. Science of the Total Environment, 639, 773–784. https://doi.org/ 10.1016/j.scitotenv. 2018.05.154