

# **BIBLIOGRAFÍA**

- Abbott, M. B., & Refsgaard, J. C. (1996). Distributed hydrological modelling. In *Water science and technology library*. <https://doi.org/10.1007/978-94-009-0257-2>
- Benjamin T. S., & Bell R. W. (2012). Debris flow runout and landslide sediment delivery model tests. *Journal of Hydraulic Engineering*.
- Casella, G., & Berger, R. L. (2002). *Statistical inference* (2nd ed.). Pacific Grove, CA: Duxbury.
- Chow, V.T., Maidment, D.R., Mays, L.W. (1988) *Applied Hydrology*. McGraw
- Costa, J. E., 1988. Floods from dam failures. In: Baker, V.R., Patton, P.C. (Eds.), *Flood Geomorphology*. John Wiley and Sons, New York, pp. 439– 463.
- Coussot, P., & Meunier, M. (1986). Recognition, classification and mechanical description of debris flows from rheology to motion using a simple constitutive equation. *Journal of Geophysical Research: Solid Earth*, 91(B9), pp. 9611-9620.
- Coussot, P., Meunier, M., 1996. Recognition, classification and mechanical description of debris flows. *Earth Science Reviews*, No.40, p. 209–227.
- Cunge, J.A. (1969) On the subject of a flood propagation computation method (Muskingum Method). *Journal of Hydrology*.
- Gibson, S., Floyd, I., Sánchez, A., & Heath, R. E. (2021). Comparing single-phase, non-Newtonian approaches with experimental results: validating flume-scale mud and debris flow in HEC-RAS. *Earth Surface Processes and Landforms*, 46(3), 540-553. <https://doi.org/10.1002/esp.5044>
- Gibson, S.; Sánchez, A. *HEC-RAS Mud and Debris Flow: User and Technical Reference Manual v6.1*. 2021. Available online: <https://www.hec.usace.army.mil/confluence/rasdocs/rasmuddebris> (accessed on 7 February 2022).

- Gibson, S.; Moura, L.Z.; Ackerman, C.; Ortman, N.; Amorim, R.; Floyd, I.; Eom, M.; Creech, C.; Sánchez, A. Prototype Scale Evaluation of Non-Newtonian Algorithms in HEC-RAS: Mud and Debris Flow Case Studies of Santa Barbara and Brumadinho. *Geosciences* 2022, 12, 134. <https://doi.org/10.3390/geosciences12030134>
- Gumbel, E.J (1958) Statistical theory of extreme values and some practical applications, Statistics, National Bureau of Standards Series A-16
- Highland, L., & Bobrowsky, P. (2008). The landslide handbook: A guide to understanding landslides. US Geological Survey.
- Hunter G., & Fell R. (2003). Triggering mechanisms of debris flow on natural and engineered slopes. International Conference on Soil Mechanics and Geotechnical Engineering, Charlotte, MI.
- Iverson R.M. (1997). The physics of debris flows. Reviews of Geophysics, American Geophysical Union.
- Jakob, M., & Hungr, O. (2005). Debris-flow hazards and related phenomena. En *Springer eBooks*. <https://doi.org/10.1007/b138657>
- Lins, H. F., & Slack, J. R. (1999). Streamflow trends in the United States. *Geophysical Research Letters*, 26(2), 227-230. <https://doi.org/10.1029/1998GL900291>
- Linsley, R.K., Kohler, M.A., Paulhus J.L.H. (1958). Hydrology for Engineers. New York: McGraw Hill.
- McCarthy, G.T. (1938) The Unit Hydrograph and Flood Routing. ASCE Conference on Water, Worcester.
- Mockus, V. (1949). Estimation of Total (peak rates of) Surface Runoff for Individual Storms, Chapter 10, SCS National Engineering Handbook. Washington, D.C: USDA Soil Conservation Service.

- O'Brien, J. S., & Julien, P. Y. (1985). Physical properties and mechanics of hyperconcentrated sediment flows. Proc. ASCE HD Delineation of landslides, flash flood and debris flow Hazards.
- O'Brien, J., & Julien, P. (1988). Laboratory Analysis of Mudflow Properties. Journal of Hydraulic Engineering, 114, 877-887. Recuperado de: <https://www.semanticscholar.org/paper/Laboratory-Analysis-of-Mudflow-Properties-O'Brien-Julien/5f68cfbf848b81a178ce5b9be380f361b9555537>
- Pierson, T.C., & Costa, J.E. (1986). A Rheologic Classification of Subaerial Sediment-water Flows. Geological Society of America Special Paper 210(2444), 3-12
- Ponce, V. M., & Hawkins, R. H. (1996). Runoff Curve Number: Has it reached maturity?. Journal of Hydrologic Engineering, 1(1), 11-19. [https://doi.org/10.1061/\(ASCE\)1084-0699\(1996\)1:1\(11\)](https://doi.org/10.1061/(ASCE)1084-0699(1996)1:1(11)).
- Powers, D.M. (2011). Evaluation: from precision, recall and F-measure to ROC, informedness, markedness & correlation. Journal of Machine Learning Technologies, 2(1), 37-63.
- Takahashi, T. (1981). Estimation of potential debris flows and their hazardous zones: Soft countermeasures for a disaster. Natural disaster science, 3(1), 57-89.
- Takahashi, T. (1991). Debris Flow. Nueva York, Estados Unidos: IAHR Monographs, CRC Press.
- Trenberth, K. E., Dai, A., van der Schrier, G., Jones, P. D., Barichivich, J., Briffa, K. R., & Sheffield, J. (2014). Global warming and changes in drought. Nature Climate Change, 4(1), 17-22. <https://doi.org/10.1038/nclimate2067>
- Wischmeier W.H. & Smith D.D. (1978) Predicting rainfall erosion losses-A Guide to conservation Planning Agricultural Handbook No. 537