

References and URL's to the literature cited

Course: *Isotope and tracer approaches*

Penna, D., Ahmad, M., Birks, S. J., Bouchaou, L., Brenčič, M., Butt, S., ... & Shanley, J. B. (2014). A new method of snowmelt sampling for water stable isotopes. *Hydrological Processes*, 28(22), 5637-5644.

Masson-Delmotte, V., Hou, S., Ekaykin, A., Jouzel, J., Aristarain, A., Bernardo, R. T., ... & Frezzotti, M. (2008). A review of Antarctic surface snow isotopic composition: observations, atmospheric circulation, and isotopic modeling*. *Journal of Climate*, 21(13), 3359-3387.

Loose, B., Schlosser, P., Smethie, W. M., & Jacobs, S. (2009). An optimized estimate of glacial melt from the Ross Ice Shelf using noble gases, stable isotopes, and CFC transient tracers. *Journal of Geophysical Research: Oceans*, 114(C8).

Marques, J. M., Matos, C., Carreira, P. M., Marques, J. E., Teixeira, J., & Chaminé, H. I. (2014). Assessment of mixing between shallow and thermal waters using geochemical and environmental isotope tracers (N Portugal): a review and reinterpretation. *Environmental Earth Sciences*, 72(7), 2557-2567.

Cable, J., Ogle, K., & Williams, D. (2011). Contribution of glacier meltwater to streamflow in the Wind River Range, Wyoming, inferred via a Bayesian mixing model applied to isotopic measurements. *Hydrological Processes*, 25(14), 2228-2236.

Lambs, L. (2000). Correlation of conductivity and stable isotope ^{18}O for the assessment of water origin in river system. *Chemical Geology*, 164(1), 161-170.

Xing, B., Liu, Z., Liu, G., & Zhang, J. (2015). Determination of runoff components using path analysis and isotopic measurements in a glacier-covered alpine catchment (upper Hailuoguo Valley) in southwest China. *Hydrological Processes*, 29(14), 3065-3073.

Rodriguez, M., Ohlanders, N., & McPhee, J. (2014). Estimating glacier and snowmelt contributions to stream flow in a Central Andes catchment in Chile using natural tracers. *Hydrology and Earth System Sciences Discussions*, 11(7), 8949-8994.

Klaus, J., & McDonnell, J. J. (2013). Hydrograph separation using stable isotopes: review and evaluation. *Journal of Hydrology*, 505, 47-64.

Gurnell, A. M. (1990). Improved methods of assessment of snow and glaciers as water balance and river flow components. *IAHS Publ*, (193), 157-172.

Dahlke, H. E., Lyon, S. W., Jansson, P., Karlin, T., & Rosqvist, G. (2014). Isotopic investigation of runoff generation in a glacierized catchment in northern Sweden. *Hydrological Processes*, 28(3), 1383-1398.

Einsiedl, F., Maloszewski, P., & Stichler, W. (2009). Multiple isotope approach to the determination of the natural attenuation potential of a high-alpine karst system. *Journal of Hydrology*, 365(1), 113-121.

Jeelani, G., Feddema, J. J., Veen, C. J., & Stearns, L. (2012). Role of snow and glacier melt in controlling river hydrology in Liddar watershed (western Himalaya) under current and future climate. *Water Resources Research*, 48(12).

Bhatia, M. P., Das, S. B., Kujawinski, E. B., Henderson, P., Burke, A., & Charette, M. A. (2011). Seasonal evolution of water contributions to discharge from a Greenland outlet glacier: insight from a new isotope-mixing model. *Journal of Glaciology*, 57(205), 929-941.

Zuecco, G., Carturan, L., De Blasi, F., Seppi, R., Zanoner, T., Borga, M., & Dalla Fontana, G. (2015, April). Spatio-temporal variability in tracer signature of snow, ice and stream water in a glacierized catchment of the Ortles-Cevedale (Eastern Italian Alps). In *EGU General Assembly Conference Abstracts* (Vol. 17, p. 9527).

Ohlanders, N., Rodriguez, M., & Mc Phee Torres, J. (2013). Stable water isotope variation in a Central Andean watershed dominated by glacier and snowmelt.

Aizen, V. B., Aizen, E., Fujita, K., Nikitin, S. A., Kreutz, K. J., & Takeuchi, L. N. (2005). Stable-isotope time series and precipitation origin from firn-core and snow samples, Altai glaciers, Siberia. *Journal of Glaciology*, 51(175), 637-654.

Finley, J. B., Drever, J. I., & Turk, J. T. (1995). Sulfur isotope dynamics in a high-elevation catchment, West Glacier Lake, Wyoming. In *Biogeochemical Monitoring in Small Catchments* (pp. 227-241). Springer Netherlands.

Schmieder, J., Marke, T., & Strasser, U. (2016, April). Tracer and hydrometric techniques to determine the contribution of glacier melt to a proglacial stream in the Ötztal Alps (Tyrol, Austria). In *EGU General Assembly Conference Abstracts* (Vol. 18, p. 2840).

Colbeck, S. C. (1977). Tracer movement through snow. *IAHS-AISH Publ*, 118, 255-262.

Gow, A. J., & Epstein, S. (1972). On the use of stable isotopes to trace the origins of ice in a floating ice tongue. *Journal of geophysical research*, 77(33), 6552-6557.

Jouzel, J., Alley, R. B., Cuffey, K. M., Dansgaard, W., Grootes, P., Hoffmann, G., ... & Stievenard, M. (1997). Validity of the temperature reconstruction from water isotopes in ice cores. *Journal of Geophysical Research: Oceans*, 102(C12), 26471-26487.

Jeelani, G., Kumar, U. S., Bhat, N. A., Sharma, S., & Kumar, B. (2015). Variation of $\delta^{18}\text{O}$, δD and 3H in karst springs of south Kashmir, western Himalayas (India). *Hydrological Processes*, 29(4), 522-530.

Jeelani, G., Kumar, U. S., Bhat, N. A., Sharma, S., & Kumar, B. (2015). Variation of $\delta^{18}\text{O}$, δD and 3H in karst springs of south Kashmir, western Himalayas (India). *Hydrological Processes*, 29(4), 522-530.

URL to the cited literature

<http://onlinelibrary.wiley.com/doi/10.1002/hyp.10273/full>

<http://journals.ametsoc.org/doi/abs/10.1175/2007JCLI2139.1>

<http://onlinelibrary.wiley.com/doi/10.1029/2008JC005048/full>

<http://link.springer.com/article/10.1007/s12665-014-3162-4>

<http://onlinelibrary.wiley.com/doi/10.1002/hyp.7982/full>

<http://www.sciencedirect.com/science/article/pii/S0009254199001400>

<http://onlinelibrary.wiley.com/doi/10.1002/hyp.10418/full>

<http://www.hydrol-earth-syst-sci-discuss.net/11/8949/2014/hessd-11-8949-2014.pdf>

<http://www.sciencedirect.com/science/article/pii/S0022169413006513>

http://hydrologie.org/redbooks/a193/iahs_193_0157.pdf

<http://onlinelibrary.wiley.com/doi/10.1002/hyp.9668/full>

<http://www.sciencedirect.com/science/article/pii/S0022169408005829>

<http://onlinelibrary.wiley.com/doi/10.1029/2011WR011590/full>

<http://www.ingentaconnect.com/content/igsoc/jog/2011/00000057/00000205/art00016>

<http://adsabs.harvard.edu/abs/2015EGUGA..17.9527Z>

<http://repositorio.uchile.cl/handle/2250/126393>

<http://www.ingentaconnect.com/content/igsoc/jog/2005/00000051/00000175/art00013>

http://link.springer.com/chapter/10.1007/978-94-011-0261-2_13

<http://adsabs.harvard.edu/abs/2016EGUGA..18.2840S>

http://hydrologie.org/redbooks/a118/iahs_118_0255.pdf

<http://onlinelibrary.wiley.com/doi/10.1029/JC077i033p06552/full>

<http://onlinelibrary.wiley.com/doi/10.1029/97JC01283/full>

<http://onlinelibrary.wiley.com/doi/10.1002/hyp.10162/full>

<http://onlinelibrary.wiley.com/doi/10.1002/hyp.10162/full>