

- Ostle, N.J., Bol, R., Petzke, K.J. and Jarvis, S.C., 1999: Compound specific  $\delta^{15}\text{N}\text{‰}$  values: amino acids in grasslands and arable soils, *Soil Biology and Biochemistry*, **31**: 1751-1755.
- Sampei, Y. and Matsumoto, E., 2008: C/N ratios in a sediment core from Nakaumi Lagoon, southwest Japan, Usefulness as an organic source indicator, *Geochemistry Journal*, **35**(3): 189-201.
- Sharpe, Z., 2007: *Principles of Isotope Geochemistry*, Prentice Hall. USA.
- Schubert, C.J. and Nielsen, B., 2000: Effects of decarbonation treatments on  $\delta^{13}\text{C}$  values in marine sediments, *Marine Chemistry*, **72**: 55-59.
- Schubert, C.J. and Calvert, S.E., 2001: Nitrogen and carbon isotopic composition of marine and terrestrial organic matter in Arctic Ocean sediments: implications for nutrient utilisation and organic matter composition, *Deep-Sea research I*, **48**: 789-810.
- Smith, B.N. and Epstein, S., 1971: Two categories of  $^{13}\text{C}/^{12}\text{C}$  ratios for higher plants, *Plant Physiology*, **47**: 380-384.
- Thornton, S.F. and McManus, J., 1994: Applications of Organic Carbon and Nitrogen Stable Isotope and C/N Ratios as Source Indicators of Organic Matter Provenance in Estuarine Systems: Evidence from the Tay Estuary, Scotland, *Estuarine Coastal and Shelf Science*, **38**: 219-233.
- Verardo, D.J., Froelich, P.N. and McIntyre, A., 1990: Determination of organic carbon and nitrogen in marine sediments using the Carlo Erba NA-1500 Analyzer, *Deep-Sea Research*, **37**(1): 157-165.

**M. Zemp, H.J. Zumbühl, S.U. Nussbaumer, M.H. Masiokas, L.E. Espizua and P. Pitte**

- Espizua, L.E., 2005: Holocene glacier chronology of Valenzuela Valley, Mendoza Andes, Argentina, *The Holocene*, **15**(7): 1079-1085.
- Espizua, L.E. and Pitte, P., 2009: The Little Ice Age glacier advance in the Central Andes (35°S), Argentina, *Palaeogeography, Palaeoclimatology, Palaeoecology*, **281**(3-4): 345-350.
- GCOS, 2010: Implementation Plan for the Global Observing System for Climate in Support of the UNFCCC (2010 Update), 180 pp.
- Haeberli, W. and Hoelzle, M., 1995: Application of inventory data for estimating characteristics of and regional climatic-change effects on mountain glaciers: a pilot study with the European Alps, *Annals of Glaciology*, **21**: 206-212.
- Holzhauser, H., 2010: *Zur Geschichte des Gornergletschers. Ein Puzzle aus historischen Dokumenten und fossilen Hölzern aus dem Gletschervorfeld*, Geographica Bernensia, G 84, Institute of Geography, University of Bern, 253 pp.
- Holzhauser, H., Magny, M. and Zumbühl, H.J., 2005: Glacier and lake-level variations in west-central Europe over the last 3500 years, *The Holocene*, **15**(6): 789-801.
- Jóhannesson, T., Raymond, C. and Waddington, E., 1989: Time-scale for adjustment of glaciers to changes in mass balance, *Journal of Glaciology*, **35**(121): 355-369.
- Jomelli, V., Favier, V., Rabatel, A., Brunstein, D., Hoffmann, G. and Francou, B., 2009: Fluctuations of glaciers in the tropical Andes over the last millennium and palaeoclimatic implications: a review, *Palaeogeography, Palaeoclimatology, Palaeoecology*, **281**(3-4): 269-282.
- Karlén, W., 1988: Scandinavian glacial and climatic fluctuations during the Holocene, *Quaternary Science Reviews*, **7**(2): 199-209.
- Luckman, B.H., 1993: Glacier fluctuation and tree-ring records for the last millennium in the Canadian Rockies, *Quaternary Science Reviews*, **12**(6): 441-450.
- Masiokas, M.H., Rivera, A., Espizua, L.E., Villalba, R., Delgado, S. and Aravena, J.C., 2009: Glacier fluctuations in extratropical South America during the past 1000 years, *Palaeogeography, Palaeoclimatology, Palaeoecology*, **281**(3-4): 242-268.

- Nesje, A., 2009: Latest Pleistocene and Holocene alpine glacier fluctuations in Scandinavia, *Quaternary Science Reviews*, **28**(21–22): 2119–2136.
- Nesje, A., Dahl, S.O., Thun, T. and Nordli, Ø., 2008: The 'Little Ice Age' glacial expansion in western Scandinavia: summer temperature or winter precipitation? *Climate Dynamics*, **30**(7–8): 789–801.
- Nicolussi, K. and Patzelt, G., 2000: Untersuchungen zur holozänen Gletscherentwicklung von Pasterze und Gepatschferner (Ostalpen), *Zeitschrift für Gletscherkunde und Glazialgeologie*, **36**(1–2): 1–87.
- Nussbaumer, S.U. and Zumbühl H.J., 2011: The Little Ice Age history of the Glacier des Bossons (Mont Blanc massif, France): a new high-resolution glacier length curve based on historical documents, *Climatic Change*, doi: 10.1007/s10584-011-0130-9.
- Nussbaumer, S.U., Zumbühl, H.J. and Steiner, D., 2007: Fluctuations of the Mer de Glace (Mont Blanc area, France) AD 1500–2050: an interdisciplinary approach using new historical data and neural network simulations, *Zeitschrift für Gletscherkunde und Glazialgeologie*, **40**(2005/2006): 1–183.
- Nussbaumer, S.U., Nesje, A. and Zumbühl, H.J., 2011: Historical glacier fluctuations of Jostedalbreen and Folgefonna (southern Norway) reassessed by new pictorial and written evidence, *The Holocene*, **21**(3): 455–472.
- Oerlemans, J., 2007: Estimating response times of Vadret da Morteratsch, Vadret da Palü, Briksdalsbreen and Nigardsbreen from their length records, *Journal of Glaciology*, **53**(182): 357–362.
- Steiner, D., Zumbühl, H.J. and Bauder, A., 2008: Two Alpine glaciers over the past two centuries: a scientific view based on pictorial sources. In Orlove, B., et al., (Eds.), *Darkening peaks: glacier retreat, science, and society*, University of California Press, Berkeley, 83–99.
- Tribolet, G., 1998: *Die Schwankungen des Rezli- und des Geltengletschers. Gletschergeschichtliche und glazialmorphologische Untersuchungen*, Unpublished diploma thesis, University of Bern, 123 pp.
- WGMS, 2008: *Global Glacier Changes: facts and figures*, Zemp, M., Roer, I., Käab, A., Hoelzle, M., Paul, F. and Haeberli, W. (Eds.), UNEP, World Glacier Monitoring Service, Zurich, Switzerland, 88 pp.
- Zumbühl, H.J., 1980: *Die Schwankungen der Grindelwaldgletscher in den historischen Bild- und Schriftquellen des 12. bis 19. Jahrhunderts, Ein Beitrag zur Gletschergeschichte und Erforschung des Alpenraumes*, Denkschriften der Schweizerischen Naturforschenden Gesellschaft (SNG), Band 92, Birkhäuser, Basel/Boston/Stuttgart, 279 pp.
- Zumbühl, H.J., Messerli, B. and Pfister, C., 1983: *Die Kleine Eiszeit: Gletschergeschichte im Spiegel der Kunst*. Katalog zur Sonderausstellung des Schweizerischen Alpen Museums Bern und des Gletschergarten-Museums Luzern vom 09.06.–14.08.1983 (Luzern), 24.08.–16.10.1983 (Bern), 60 pp.
- Zumbühl, H.J. and Holzhauser, H., 1988: Alpengletscher in der Kleinen Eiszeit, Sonderheft zum 125jährigen Jubiläum des SAC, *Die Alpen*, **64**(3): 129–322.
- Zumbühl, H.J., Steiner, D. and Nussbaumer, S.U., 2008: 19th century glacier representations and fluctuations in the central and western European Alps: an interdisciplinary approach, *Global and Planetary Change*, **60**(1–2): 42–57.

#### **N. Graham and E. Wahl**

- Amman, C., 2008: The Paleoclimate Reconstruction Challenge, *PAGES news*, 16(1): 4.
- D'Arrigo, R., Wilson, R. and Jacoby G., 2006: On the long-term context for late 20th century warming, *Journal of Geophysical Research*, **111**: D03103, doi:10.1029/2005JD006352.
- Esper, J., Cook, E.R., and Schweingruber, F.H., 2002: Low-frequency signals in long tree-ring chronologies for reconstructing of past temperature variability, *Science*, **295**: 2250–2253.