

Ståle Haaland

Contact information

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Current Research

My research field is within general limnology, hydrology and aquatic chemistry. Current work includes studies of acid rain, climate change, precipitation quantity and quality and its effects on runoff quality and eutrophication, aquatic effects due to deicing of roads, effects of clay and NOM on natural phosphorous background concentration in runoff and surface waters. I also work on biomanipulation, the EU Water Framework Directive, and chairs the Norwegian Limnological Association.

Projects

Catchment Leira and Nitelva, southern Norway – river and lake water chemistry (Bioforsk)

Catchment Vansjø, southern Norway – river and lake water chemistry (Bioforsk)

Selected publications

Haaland S., Riise, G. and Stuanes, A.O. (2006) The impact of precipitation on the quality of dissolved organic carbon in runoff from a headwater area in Norway. *Verh.Int.Ver.Limnol.* 29(5)

Grøterud, O. and Haaland, S. (2006) Nitrate and humic colour retention of fifteen soft water lakes, southern Norway. *Verh.Int.Ver.Limnol.* 29(5)

Haaland, S., Blakar, I., Grøterud, O., Hongve, D. and Riise, G. (2007) Long term trend of TOC concentrations in Norwegian lakes - The impact of reduced anthropogenic sulphate emissions and lake ionic strength. *Verh.int.Verein.Limnol.* 30 (in press).

Grøterud, O. and Haaland, S. (2007) Østensjøvannet – A shallow hypertrophic lake in Norway with significant internal phosphorus loading during summer. *Vatten* 4(63).

Haaland, S., Austnes, K., Kaste, Ø., Mulder, J., Riise, G., Semb Vestgarden, L. and Stuanes, A.O. (2008) Manipulation of precipitation in small headwater catchments at Storgama, Norway: Effects on leaching of organic carbon and nitrogen species. *Ambio* 37(1): 48-55.

Haaland, S. and Mulder, J. (2009) Dissolved organic carbon pool and their replenishment in shallow soils of heathland catchments - manipulation of precipitation amount and frequency. *Biogeochemistry* (in press).

Grøterud, O. and Haaland, S. (2009) Discrepancies between conductivity and pH values measured in acid humic waters - how can this published data be explained? *Vann*, nr 1-2009.