

## Course materials AT-330/-830

- Letcher RJ, Bustnes JO, Dietz R, Jenssen BM, Jorgensen EH, Sonne C, Verreault J, Vijayan MM, Gabrielsen GW. Exposure and effects assessment of persistent organohalogen contaminants in arctic wildlife and fish. *Science of the Total Environment* 2010; 408: 2995-3043. doi: 10.1016/j.scitotenv.2009.10.038. (49 pp).
- AMAP Assessment 2018: Biological Effects of Contaminants on Arctic Wildlife and Fish. Download from: <https://www.amap.no/documents/doc/amap-assessment-2018-biological-effects-of-contaminants-on-arctic-wildlife-and-fish/1663>. (96 pp).
- Dietz R, Letcher RJ, Desforges J-P, Eulaers I, Sonne C, Wilson S, Andersen-Ranberg E, Basu N, Barst BD, Bustnes JO, Bytingsvik J, Ciesielski TM, Drevnick PE, Gabrielsen G, Haarr A, Hylland K, Jenssen BM, Levin M, McKinney MA, Norregaard RD, Pedersen KE, Provencher J, Styrishave B, Tartu S, Aars J, Ackerman JT, Rosing-Asvid A, Barrett R, Bignert A, Born EW, Branigan M, Braune B, Bryan CE, Dam M, Eagles-Smith CA, Evans M, Evans TJ, Fisk AT, Gamberg M, Gustavson K, Hartman CA, Helander B, Herzog MP, Hoekstra PF, Houde M, Hoydal K, Jackson AK, Kucklick J, Lie E, Loseto L, Mallory ML, Miljeteig C, Mosbech A, Muir DCG, Nielsen ST, Peacock E, Pedro S, Peterson SH, Polder A, Riget FF, Roach P, Saunes H, Sinding M-HS, Skaare JU, Sondergaard J, Stenson G, Stern G, Treu G, Schuur SS, Vikingsson G. Current state of knowledge on biological effects from contaminants on arctic wildlife and fish. *Science of the Total Environment* 2019; 696, 133792. Doi: 10.1016/j.scitotenv.2019.133792. (40 pp).
- Routti H, Atwood T, Bechshoft T, Boltunov A, Ciesielski T, Desforges J-P, Dietz R, Gabrielsen GW, Jenssen BM, Letcher RJ, McKinney M, Morris A, Rigét FF, Sonne C, Styrishave B, Tartu S. 2019. State of knowledge on current exposure, fate and potential health effects of contaminants in polar bears from the circumpolar Arctic. *Science of the Total Environment* 664, 1063-1083. doi: 10.1016/j.scitotenv.2019.02.030. (21 pp)
- Sonne C, Letcher RJ, Jenssen BM, Desforges JP, Eulaers I, Andersen-Ranberg E, Gustavson K, Styrishave B, Dietz R. A veterinary perspective on One Health in the Arctic. *Acta Veterinaria Scandinavica* 2017; 59. doi: 10.1186/s13028-017-0353-5. (11 pp).
- Dietz R, Desforges JP, Gustavson K, Riget FF, Born EW, Letcher RJ, Sonne C. Immunologic, reproductive, and carcinogenic risk assessment from POP exposure in East Greenland polar bears (*Ursus maritimus*) during 1983-2013. *Environment International* 2018; 118: 169-178. Doi: 10.1016/j.envint.2018.05.020. (10 pp.)
- Dietz R, Outridge PM, Hobson KA. Anthropogenic contributions to mercury levels in present-day Arctic animals-A review. *Science of the Total Environment* 2009; 407: 6120-6131. doi: 10.1016/j.scitotenv.2009.08.036. (12 pp)

Additional literature will be provided during the course.