

Publications 2015

Abass, K, Carlsen A, Rautio A. Approaches to describe risks and future needs. Chapter 5, 99-111. In: *AMAP Assessment 2015: Human health in the Arctic*, Oslo, Norway, 2015. vii + 165pp, 2015.

Batini C., Hallast P, Zadik D, Delser PM, Benazzo A, Ghirotto S, Arroyo-Pardo E, Cavalleri GL, de Knijff P, Dupuy BM, Eriksen HA, King TE, de Munain AL, Lopez-Parra AM, Lutradis A, Milasin J, Novelletto A, Pamjav, H, Sajantila A, Tolun A, Winney B, Jobling MA. Large-scale Recent expansion of European Patrilineages shown by population resequencing. *Nat Commun.* 2015 May 19;6:7152. doi: 10.1038/ncomms8152.

Emelyanova A. 2015. Cross-regional analysis of population aging in the Arctic. Academic doctoral dissertation. *Acta Universitatis Ouluensis D Medica* 1326, Juvenes Print Tampere, 1-94, <http://herkules oulu.fi/isbn9789526210049/isbn9789526210049.pdf>.

Emelyanova A, Rautio A. Policies of Arctic countries to promote the volunteering in old age. In book: *Aging, Wellbeing and Climate Change in the Arctic*. (eds. Naskali P, Seppänen M, Begum S) Routledge, London and New York, 2015. pp. 49-68.

Emelyanova A., Sokolova F. (in Russian). 2015. Higher education in Russia in the context of globalization and integration processes: review of Russian research literature. *Vestnik of Northern (Arctic) Federal University, Series "Humanitarian and Social Sciences"*, 1, 15-27.

Hallast P, Batini C, Zadik D, Delser PM, Wetton JH, Arroyo-Pardo E, Cavalleri GL, de Knijff P, Disol GC, Dupuy BM, Eriksen HA, Jorde LB, King TE, Larmuseau MH, de Munain AL, Lopez-Parra AM, Loutradis A, Milasin J, Novelletto A, Pamjav H, Sajantila A, Schempp W, Sears M, Tolun A, Tyler-Smith C, Van Geystelen A, Watkins S, Winney B, Jobling MA. The Y-chromosome tree bursts into leaf: 13,000 high-confidence SNPs covering the majority of known clades. *Mol Biol Evol.* 2015 Mar;32(3):661-73. doi: 10.1093/molbev/msu327. Epub 2014 Dec 2.

Kummu M, Sieppi E, Koponen J, Laatio L, Vähäkangas K, Kiviranta H, Rautio A, Myllynen P. Organic anion transporter 4 (OAT 4) modifies placental transfer of perfluorinated alkyl acids PFOS and PFOA in human placental *ex vivo* perfusion system. *Placenta* 36: 1185-1191, 2015. Aug 6. pii: S0143-4004(15)30013-8. doi: 10.1016/j.placenta.2015.07.119.

Murtomaa-Hautala M, Ruokojärvi P, Viluksela M, Rautio A: Temporal trends in the levels of polychlorinated dioxins, -furans, -biphenyls and polybrominated diethyl ethers in bank voles in Northern Finland. *Science of the Total Environment* 526: 70-76, 2015. <http://dx.doi.org/10.1016/j.scitotenv.2015.04.067>.

Nieminen P, Abass K, Vähäkangas K, Rautio A. Statistically non-significant papers in environmental health studies included more outcome variables. *Biomedical and Environmental Sciences* 28(9): 666-673, 2015, DOI: 10.3967/bes2015.093.

Pacyna JM, Cousins IM, Halsall C, Rautio A, Pawlak J, Pacyna EG, Sundseth K, Wilson S, Munthe J. Impacts on human health in the Arctic owing to climate-induced changes in contaminant cycling – the EU ArcRisk project policy outcome. *Environmental Science and Policy* 50: 200-213, 2015. <http://dx.doi.org/10.1016/j.envsci.2015.02.010>.

Pelkonen O., Pasanen M., Tolonen A., Koskinen M., Hakkola J., Abass K., Laine J., Hakkinen M., Juvonen R., Auriola S., Storvik M., Huuskonen P., Rousu T., Rahikkala M., Reactive metabolites in early drug development: predictive *in vitro* tools, *Current Medicinal Chemistry.* 22(4) (2015), pp. 538-550.

Pirkola S, Eriksen HA, Partonen T, Kiesepää T, Veijola J, Jääskeläinen E, Mylläri-Figuerola E-M, Salo PM, Paunio T. Seasonal variation in Affective and Other clinical Symptoms Among High-Risk Families for Bipolar Disorders in an Arctic Population. *Int J Circumpolar Health* 2015 Jan;74(1):29671. doi: 10.3402/ijch.v74.29671.

Rautio A., Poppel B., Young K. (contributing authors Emelyanova A., Juutilainen S., Sunnari V.). 2015. Human health and well-being. In J.N. Larsen, G. Fondahl (Eds.). Arctic Human Development Report-II: Regional Processes and Global Linkages (297-346). Nordic Council of Ministers, Copenhagen, 500 pp., 10.6027/TN2014-567.

Sundseth K, Pacyna JM, Banel A, Pacyna EG, Rautio A. Climate change impacts on environmental and human exposure to mercury in the Arctic. *Int J Environ Res Public Health* 12: 3579-3599; doi: 10.3390/ijerph120403579, 2015.