

Contents of Volume 39

- Editorial: New Directions 1
- Eskelinen, O.: Diet of the wood lemming *Myopus schistocolor* 49–57
- Hanski, I.: In the midst of ecology, conservation, and competing interests in the society 183–186
- Harris, R. J. & Reed, J. M.: Behavioral barriers to non-migratory movements of birds 275–290
- Hasegawa, E., Tinaut, A. & Ruano, F.: Molecular phylogeny of two slave-making ants: *Rosomyrmex* and *Polyergus* (Hymenoptera: Formicidae) 267–271
- Hauber, M. E.: First contact: A role for adult-offspring social association in the species recognition system of brood parasites 291–305
- Hellstedt, P., Kalske, T. & Hanski, I.: Indirect effects of least weasel presence on field vole behaviour and demography: a field experiment 257–265
- Hromoda, M., Tryjanowski, P. & Antczak, M.: Presence of the great grey shrike *Lanius excubitor* affects breeding passerine assemblage 125–130
- Jędrzejewski, W., Schmidt, K., Okarma, H. & Kowalczyk, R.: Movement pattern and home range use by the Eurasian lynx in Białowieża Primeval Forest (Poland) 29–41
- Johannesen, E., Brudevoll, J., Jenstad, M., Korslund, L. & Kristoffersen, S.: Behavioural dominance of grey-sided voles over bank voles in dyadic encounters 43–47
- Kaitala, V.: Travelling waves in spatial population dynamics 161–171
- Kallio-Nyberg, I., Saura, A. & Ahlfors, P.: Sea migration pattern of two sea trout (*Salmo trutta*) stocks released into the Gulf of Finland 221–235
- Kauhala, K. & Tiilikainen, T.: Radio location error and the estimates of home range size, movements, and habitat use: a simple field test 317–324
- Koivula, M.: Boreal carabid-beetle (Coleoptera, Carabidae) assemblages in thinned uneven-aged and clear-cut spruce stands 131–149
- Koskela, J. T., Kunnasranta, M., Hämäläinen, E. & Hyvärinen, H.: Movements and use of haul-out sites of radio-tagged Saimaa ringed seal (*Phoca hispida saimensis* Nordq.) during the open-water season 59–67
- Kotiaho, J. S. & Hovi, M.: Correcting species richness hotspots for latitudinal gradients: a new method 3–6
- Kotta, J. & Møhlenberg, F.: Grazing impact of *Mytilus edulis* L. and *Dreissena polymorpha* (Pallas) in the Gulf of Riga, Baltic Sea estimated from biodeposition rates of algal pigments 151–160
- Laakkonen, J.: Relative medullary thickness of shrews from arid environments: Intraspecific spatial analysis, and comparison to arctic shrews and tropical tenrecs 249–255
- Lundkvist, E., Landin, J. & Karlsson, F.: Dispersing diving beetles (Dytiscidae) in agricultural and urban landscapes in south-eastern Sweden 109–123
- Merilä, J. & Sterner, M.: Medicinal leeches (*Hirudo medicinalis*) attacking and killing adult amphibians 343–346
- Reunanen, P., Mönkkönen, M. & Nikula, A.: Habitat requirements of the Siberian flying squirrel in northern Finland: comparing field survey and remote sensing data 7–20
- Park, K. J., Booth, F., Newborn, D. & Hudson, P. J.: Breeding losses of red grouse in Glen Esk (NE Scotland): comparative studies, 30 years on 21–28
- Pigliucci, M.: Are ecology and evolutionary biology “soft” sciences? 87–98
- Saarinen, K. & Jantunen, J.: A comparison of the butterfly fauna of agricultural habitats under different management history in Finnish and Russian Karelia 173–181
- Sippola, A.-L., Siitonen, J. & Puntila, P.: Beetle diversity in timberline forests: a comparison between old-growth and regeneration areas in Finnish Lapland 69–86
- Starks, P. T.: The adaptive significance of stabilimenta in orb-webs: a hierarchical approach 307–315
- Sundell, J. & Norrdahl, K.: Body size-dependent refuges in voles: an alternative explanation of the Chitty effect 325–333
- Ukkonen, P.: The early history of seals in the northern Baltic 187–207
- Vamosi, S. M.: Predation sharpens the adaptive peaks: survival trade-offs in sympatric sticklebacks 237–248
- Vences, M., Galán, P., Vieites, D. R., Puente, M., Oetter, K. & Wanke, S.: Field body temperatures and heating rates in a montane frog population: the importance of black dorsal pattern for thermoregulation 209–220
- Virtanen, R., Parviainen, J. & Henttonen, H.: Winter grazing by the Norwegian lemming (*Lemmus lemmus*) at Kilpisjärvi (NW Finnish Lapland) during a moderate population peak 335–341
- Ylikarjula, J., Heino, M., Dieckmann, U. & Kaitala, V.: Does density-dependent individual growth simplify dynamics in age-structured populations? A general model applied to perch, *Perca fluviatilis* 99–107
- Book review:
- Hamilton, W. D. 2001: The Collected Papers of W. D. Hamilton: Narrow Roads of Gene Land. Volume 2: Evolution of Sex [rev. Philip T. Starks] 273–274