

Publications:

In press

1. **Coulson S.J.** & Midgley N.G. The role of glacier mice in the invertebrate colonization of glacial surfaces; the moss balls of the Falljökull, Iceland. *Polar Biology*

2012

2. Gwiazdowicz D.J., Solhøy T., **Coulson S.J.**, Lebedeva N. & Melekhina E. (2012). *Vulgarogamasus immanis* (Acari; Mesostigmata) in Svalbard. *Polish Polar Research* 33; 35-39.

2011

3. Ávila-Jiménez, M.L. & **Coulson, S.J.** (2011) A Holarctic biogeographical analysis of the Collembola (Arthropoda, Hexapoda) unravels recent post-glacial colonization patterns. *Insects* 2; 273-296
4. Gwiazdowicz D.G. & **Coulson S.J.** (2011) High Arctic gamasid mites (Acari, Mesostigmata); community composition on Spitsbergen, Svalbard. *Polar Research* 30; 1-7.
5. Ávila-Jiménez M.L. & **Coulson S.J.** (2011) Can snow depth predict the distribution of the high Arctic aphid *Acyrtosiphon svalbardicum* (Hemiptera: Aphididae) on Spitsbergen? *BMC Ecology* 11:25
6. Ávila-Jiménez M.L., Gwiazdowicz D.G. & **Coulson S.J.** (2011) On the gamasid (Acari: Parasitiformes) mite fauna of Svalbard: a revised checklist of a high Arctic archipelago. *Zootaxa* 3091; 33-41.
7. **Coulson S.J.**, Ávila-Jiménez M.L., Fjellberg A., Snazell R., & Gwiazdowicz D.J. (2011) On the Collembola, Araneae and Gamasida from the Kinnvika region of Nordaustlandet, Svalbard. *Geografiska Annaler* 93 (4); 253-257.
8. Gwiazdowicz D.G., Teodorowicz E. & **Coulson S.J.** (2011) Redescription of *Arctoseius haarlovi* Lindquist, 1963 (Acari, Ascidae) from Spitsbergen, Svalbard. *Entomologica Fennica*. 22;140-148.
9. Gwiazdowicz D.G., Teodorowicz E. & **Coulson S.J.** (2011) Redescription of *Zercon solenites* Haarløv, 1942 (Acari, Zerconidae) with a key to the Svalbard species of the genus *Zercon*. *International Journal of Acarology* 37(sup1);135-148.

2010

10. Ávila-Jiménez, M. L., **Coulson S.J.** , Solhøy T. & Sjöblom A. (2010) Overwintering of Arctic arthropods; the case of the invertebrate fauna of Svalbard now and in the future. *Polar Research* 29;127-137.
11. Gwiazdowicz & **S.J. Coulson.** (2010) Phoresis of the deutonymphs of *Thinoseius spinosus* (Acari, Eviphididae) on the calliphorid dipteran *Protophormia terraenovae* on the High Arctic island of Spitsbergen (Svalbard) including a key to deutonymphs of *Thinoseius*. *International Journal of Acarology* 36;233-236.

2009

12. **Coulson S.J.** (2009) Association of the soil mite *Diapterobates notatus* (Acari, Oribatidae) with *Cynomya mortuorum* (Linnaeus, 1761) (Calliphoridae, Calliphorinae): implications for the dispersal of oribatid mites. *International Journal of Acarology* 35;175-177
13. D.J Gwiazdowicz, **S.J.Coulson** & M.L.Ávila-Jiménez. (2009) First records of *Zercon andrei* Sellnick, 1958 and *Zerconopsis moestairi* (Schweizer, 1949) (Acari, Mesostigmata) from Bjørnøya. *Norwegian Journal of Entomology* 56, 117-119
14. **Coulson S.J.**, Monson F., Moe B. & Gabrielsen G.W. (2009) The invertebrate fauna of High Arctic seabird nests: the microarthropod community inhabiting nests on Spitsbergen, Svalbard. *Polar Biology* 32;1041-1046.

15. **Coulson, S.J.**, Lorentzen, E., Strøm, H. Gabrielsen G.W. (2009) The parasitic tick *Ixodes uriae* (Acari: Ixodidae) on seabirds from Spitsbergen, Svalbard. *Polar Research*. 28;399-402
- 2008**
16. Ávila-Jiménez, M. L., Fjellberg, A. & **Coulson, S.J.** (2008) First record of *Folsomia bisetosella* Fjellberg, 2005 (Hexapoda: Collembola) from High Arctic islands. *Norwegian Journal of Entomology* 55, 129–130.
- 2007**
17. **Coulson, S.J.** 2007 The terrestrial and freshwater invertebrate fauna of the High Arctic archipelago of Svalbard. *Zootaxa* 1448; 41-58.
18. **Coulson, S.J.** 2007 On the occurrence of *Oryzaephilus mercator* on Svalbard, Norway. *Norwegian Journal of Entomology*. 54, 21-22.
19. White, D.M., Hodkinson I.D., Seelen S.J. & **Coulson S.J.** 2007. Characterization of soil carbon from a Svalbard glacier-retreat chronosequence using Pyrolysis-GC/MS analysis. *Journal of Analytical and Applied Pyrolysis* 78; 70-75.
- 2004**
20. **Coulson, S.J.** & Refseth, D. (2004) The terrestrial and freshwater invertebrate fauna of Svalbard (and Jan Mayen), pp57-122 in A catalogue of the terrestrial and marine animals of Svalbard (eds. Prestrud, P. Strøm H. & Goldman H.). *Skrifter* 201. Norwegian Polar Institute, Tromsø.
21. Cooper, E.J., Alsos, I.G., Hagen, D., Smith, F.M., **Coulson, S.J.** & Hodkinson, I.D. (2004) Plant recruitment in the Arctic: Seedbank and seeding emergence on Svalbard. *Journal of Vegetation Science* 15; 115-124.
22. Glasser, N.F., **Coulson, S.J.**, Hodkinson I.D. & Webb, N.R. (2004) Photographic evidence of the return period of a Svalbard surge-type glacier: Pedersenbreen, Kongsfjord. *Journal of Glaciology*. 50(169); 307-308.
23. Hodkinson, I.D., **Coulson, S. J.** & Webb, N.R. (2004) Invertebrate community assembly along proglacial chronosequences in the high Arctic. *Journal of Animal Ecology* 73; 556-568
24. Hodkinson I.D. & **Coulson S.J.** (2004) Are high Arctic terrestrial food webs really that simple? - Bear Island revisited. *Oikos* 106; 427-431
25. Hodkinson, I.D., Bird, J.M. Cooper, E.J. & **Coulson, S.J.** (2004) The sexual morphs of the endemic Svalbard aphid *Acyrtosiphon calvulus* (Ossiannilsson), with notes on species biology. *Norwegian Journal of Entomology* 51; 131-135
26. Ims R.A., Leinaas, H.P. & **Coulson, S.J.** (2004) Spatial and temporal variation in patch occupancy and population density in a model system of an arctic species assemblage of Collembola. *Oikos* 105; 89-100.
27. Hodkinson, I.D., Neerup Buhl, P., **Coulson, S.J.** & Webb N.R. (2004) First record of *Dendrocerus bifoveatus* (Kieffer, 1907)(Hymenoptera: Ceraphronoidea) from Svalbard. *Norwegian Journal of Entomology* 50; 105-106.
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29. **Coulson, S.J.**, Hodkinson, I.D. Webb, N.R. & Convey, P. (2003) A high Arctic population of *Pyla fusca* (Lepidoptera, Pyralidae) on Svalbard? *Polar Biology* 26; 283-285.
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32. **Coulson, S. J.**, Hodkinson, I.D., Jussila R. & Webb, N.R. (2003) *Synodites lineiger* (Thomson, 1893) (Hymenoptera: Ichneumonidae) new to Svalbard, together with an updated list of the known ichneumonid species. *Norwegian Journal of Entomology* 50; 55-56
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33. **Coulson, S. J.**, Hodkinson, I.D., Webb, N.R. & Harrison, J. A. (2002) Survival of saltwater immersion by terrestrial invertebrates. Implications for the colonisation of Arctic islands. *Functional Ecology* 16; 353-356
34. **Coulson, S. J.**, Hodkinson, I.D., Webb, N.R., Mikkola, K., Harrison, J. A. & Pedgley, D. (2002) Aerial colonisation of high Arctic islands by invertebrates: the Diamondback Moth, *Plutella xylostella* (Lepidoptera: Yponomeutidae) as a potential indicator species. *Diversity and Distributions* 8; 327-334.
35. Hodkinson I.D., **Coulson S.J.** & Bird J.M. (2002) Discovery of a rare alate morph of *Acyrtosiphon svalbardicum* Heikinheimo (Homoptera; Aphididae), a hitherto 'apterous' aphid species: description and implications for species ecology. *Norwegian Journal of Entomology* 49; 77-80.
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39. **Coulson, S.J.** & Birkemoe, T. (2000) Long term cold tolerance in Arctic invertebrates: recovery after four years at below -20°C. *Canadian Journal of Zoology* 78; 2055-2058.
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43. Hodkinson I.D., Webb N.R., Bale J.S., **Coulson S.J.** & Strathdee A.T. (1998) Global change and high arctic ecosystems: conclusions and predictions from experiments with terrestrial invertebrates on Spitsbergen. *Arctic and Alpine Research*, 30; 306-313.

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