

Brief CV
Sergei Korsun

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born 19 March 1960 Moscow Russia; citizen of Russia

Education

Ph.D. in marine biology: Shirshov Inst. of Oceanology, Moscow, 1995

MS in invertebrate zoology: Biological Dept., Leningrad University, Leningrad, 1984

Research

Benthic foraminifera, protists, Arctic marine biology, Quaternary paleogeography and paleoecology.

Recent and relevant publications

- Korsun, S. A.**, Pogodina I. A., Forman S. L., Lubinski D. J., **1995**. Benthic foraminifera in glaciomarine sediments from three arctic fjords of Novaya Zemlya and Svalbard. — *Polar Research* 14(1): 15-31.
- Hald, M. and **Korsun, S.**, **1997**. Distribution of modern benthic foraminifera from fjords of Svalbard, European Arctic: *Journal of Foraminiferal Research*, 27(2): 101-122.
- Korsun, S.** and Hald, M., **1998**. Modern benthic foraminifera off Novaya Zemlya tidewater glaciers, Russian Arctic. *Arctic and Alpine Research*, 30(1):61-77.
- Korsun, S.**, M. Hald, N. Panteleeva and G. Tarasov, 1998. Biomass of foraminifera in the St. Anna Trough, Russian Arctic continental margin. – *Sarsia* 83: 419-431.
- S. Korsun**, **1999**. Benthic foraminifera in the Ob estuary, West Siberia. In: J. Matthiessen et al. (eds) *The Kara Sea Expedition of RV “Akademik Boris Petrov” 1997: First Results of a Joint Russian German Pilot Study*. *Berichte zur Polarforschung* 300: 59-70.
- S. Korsun**, M. Hald, N. Panteleeva and M. Gerasimova, **1999**. Biomass of large foraminifera in the St. Anna Trough. *Berichte zur Polarforschung* v. 342: 59-70.
- Korsun, S.** and M. Hald, **2000**. Seasonal dynamics of benthic foraminifera in a glacially fed fjord of Svalbard, European Arctic. – *Journal of Foraminiferal Research* 30(4): 251-271.
- Polyak, L., **Korsun, S.**, Febo, L.A., Stanovoy, V., Khusid, T., Hald, M., Paulsen, B.E. and Lubinski, D.A., **2002**. Benthic foraminiferal assemblages from the southern Kara Sea, a river-influenced arctic marine environment, *Journal of Foraminiferal Research* 32: 252-273.
- Korsun, S.**, **2002**. Allogromiids in the foraminiferal assemblages on the western Eurasian Arctic shelf. *Journal of Foraminiferal Research* 32: 400-413
- M. Hald, H. Ebbesen, M. Forwick, F. Godtlielsen, L. Khomenko, **S. Korsun**, L. Ringstad Olsen, T.O. Vorren. **2004**. Holocene paleoceanography and glacial history of the West Spitsbergen area, Euro-Arctic margin. *Quaternary Science Reviews* 23: 2075–2088.
- A.J. Gooday, S.S. Bowser, T. Cedhagen, N. Cornelius, M. Hald, **S. Korsun** & J. Pawlowski **2005**. Monothalamous foraminiferans and gromiids (Protista) from western Svalbard: A preliminary survey. *Marine Biology Research* 1: 290-312.
- J.Pawlowski, W.Majewski, D.Longet, J.Guiard, T.Cedhagen, A.J.Gooday, **S.Korsun**, A.A.Habura, S.S.Bowser, **2008**. Genetic differentiation between Arctic and Antarctic monothalamous foraminifers. *Polar Biology* 31: 1205-1216

- Mytyaev M., **Korsun, S.**, Strelkov P. and Matishov, G., **2008**. The raised beaches of the east Kildin Island. *Proceedings of the Russian Academy of Sciences* 423(4): 1–5. [in Russian]
- Hald, M. and **Korsun, S.**, **2008**. The 8200 cal. yr BP event reflected in the Arctic fjord Van Mijenfjorden, Svalbard. *The Holocene*, 18(6): 981–990.
- M. Saher, D. Klitgaard Kristensen, M. Hald, **S. Korsun**, and L. Lindal Jørgensen. Benthic foraminifera assemblages in the Central Barents Sea: an evaluation of the effect of combining live and total fauna studies in tracking environmental change, *Norwegian Journal of Geology* **2009**, vol. 89, pp. 149-161.
- Mityaev M., **Korsun, S.** Geological, geomorphological and neotectonical structure of the eastern Kildin Island. *Geomorphology*, **2010**, no. 1, 77-86 [in Russian]
- Hausmann K., Hülsmann N., Radek R. *Protistology*. English to Russian translation S. Karpov, **ed. S. Korsun**. Moscow, KMK Scientific Press LTD, **2010**, 495 pp.
- Forwick, M, Vorren, T.O., Hald, M., **Korsun, S.**, Roh, Y., Vogt, Chr. & Yoo, K.-C., **2010**. Spatial and temporal influence of glaciers and rivers on the sedimentary environment in Sassenfjorden and Tempelfjorden, Spitsbergen. In: Howe, J.A., Austin, W.E.N, Forwick, M. & Paetzel, M. (eds), *Fjord Systems and Archives*. Geological Society, London, Special Publication 344, p.165–195.
- Korsun, S.**, **2011**. Acantharia. In: *Protista. Part III. Handbook in Zoology*. Ed. S.A. Karpov. St.Petersburg-Moscow, KMK Scientific Press LTD. Pp. 95-120 [in Russian]
- Korsun, S.**, **2011**. Phaeodaria. In: *Protista. Part III. Handbook in Zoology*. Ed. S.A. Karpov. St.Petersburg-Moscow, KMK Scientific Press LTD. Pp. 121-159 [in Russian]
- Korsun, S.**, **2011**. Taxopodida. In: *Protista. Part III. Handbook in Zoology*. Ed. S.A. Karpov. St.Petersburg-Moscow, KMK Scientific Press LTD. Pp. 160-167 [in Russian]
- S. Korsun**, J.F. Fahrni, J. Pawlowski, **2012**. Invading *Aurelia aurita* has established scyphistoma populations in the Caspian Sea. *Marine Biology* 159 (5)1061-1069
- Schönfeld, J., Alve, E., Geslin, E., Jorissen, F., **Korsun, S.**, Spezaferri, S., FOBIMO Group, **2012**, The FOBIMO (FOraminiferal BIO-MOnitoring) initiative – towards a standardised protocol for soft-bottom benthic foraminiferal monitoring studies. *Marine Micropaleontology* 94–95: 1-13.

Projects

- “Construction and interpretation of a modern benthic foraminiferal and environmental database for the Barents and Kara seas, arctic Russia”, project # 1532989 at University of Colorado at Boulder. Financed by the National Research Council (NRC), Office of International Affairs. Grants Program: Collaboration in Basic Science and Engineering (COBASE). 26.10.2000-26.04.2001 (6 months). PI: D.Lubinski
- “Molecular systematics of amoeboid protists”; Swiss National Science Foundation project 7SUPJ062342; Aug 01, 2000 – Jan 31, 2002; PI: Prof J Pawlowski, University of Geneva, Switzerland
- “Genetic diversity and community structure in arctic benthic foraminifera”, Research Council of Norway project # 141050/730, PI: M Hald, Jan 01, 2001 – Dec 31, 2002.
- “Seasonal Dynamics of Giant Agglutinated Foraminifera”, U.S. National Science Foundation award OPP-0003639 to S.S.Bowser; supplement under Eastern Europe Program; Oct 01, 2001 – Mar 31, 2002

- “Marine Climate and Ecosystems in the Seasonal Ice Zone (MACESIZ)” Norwegian Research Council contract 155945/700
- “Sedimentary Processes and Paleoenvironment in northern fjords (SPINOF)” Norwegian Research Council contract 155945/700113593/420
- “Sedimentaary Processes and Paleoenvironment on Northern Continental Margins (SPONCOM)” Norwegian Research Council contract 146540/420
- “Molecular diversity of amoeboid protists” SCOPES project IB73A0-111064/1, PI = Prof J Pawlowski, University of Geneva, Switzerland, 2006-2008
- РФФИ 07-04-01734а, рук. НН Шунатова «Изучение влияния условий изоляции на популяции и сообщества морских организмов на примере реликтового озера Могильное (о. Кильдин, Баренцево море)».
- РФФИ 06-05-64803, рук. Иванова Елена Владимировна. «Комплексы фораминифер в фациях послеледниковых осадков Баренцева моря: факторы среды и условия захоронения»
- “Climate and anthropogenic impact studies on food webs connected to the benthos in the Barents Sea. Part 2: Natural and anthropogenic environmental and climate changes on benthic foraminifera”. Statoil contract 3571 to Arctic Marine Ecosystem Research (ARCTOS) network
- “Особенности формирования таксономического и экологического разнообразия протистов и беспозвоночных животных”. Тематический план фундаментальных НИР СПбГУ 1.0.140.2010, рук. А.И. Гранович, 01.01.2010-31.12.2014.
- “Microhabitats of benthic Foraminifera in glaci-marine sediments” Norwegian Research Council contract 196186/S30, PI: M.Hald, 1.1.2010-31.12.2011.
- “The utilization of benthic foraminifera as bio-indicators of oil and gas activities in the Barents Sea”. Shtokman Development AG subcontract, 2010.
- “The Changing Arctic and Sub-arctic Environment: a research and training programme on marine biotic indicators of recent climate changes in the high latitudes of the North Atlantic (CASE)”. PI: Katrine Husum & Morten Hald, 2010-2014. EU Grant 238111.
- “Foraminiferal-dominated benthic community from the eastern Kara Sea”, Otto Schmidt Laboratory for Polar and Marine Research, grant OSL-13-11, 01.01.2013-31.12.2013.

Selected field experience for the last 5 years

- 2008 June-July, Barents Sea, coastal expedition, participating scientist.
- 2008 August, Greenland Sea, RV *Jan Mayen*, participating scientist.
- 2008 September-October, Caspian Sea, RV *Rift*, participating scientist.
- 2009 September-October, North Pacific, RV *Sonne*, participating scientist.
- 2010 August, Svalbard, RV *Lance*, participating scientist.
- 2011 August, White Sea, coastal expedition with participation of graduate and undergraduate students, students' advisor.
- 2011 September, Kara Sea, RV *Akademik Mstislav Keldysh*, participating scientist.
- 2012 June, White Sea, coastal expedition with participation of graduate and undergraduate students, students' advisor.