

# CURRICULUM VITAE

Elena Golikova

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**Personal details:** born 19 August 1980 St-Petersburg, Russia.

## Current position:

Junior Researcher, Dept. of Invertebrate Zoology, Faculty of Biology, St-Petersburg State University (**SPSU**).

**Research interests:** Benthic foraminifera as bioindicators of anthropogenic environmental impact, arctic benthic foraminiferal assemblages, salt marsh foraminifera, marginal marine foraminifera of high latitudes.

## Education:

St. Petersburg State University (**SPSU**), Faculty of Biology and Soil Science

2006 – Postgraduate school at the Dept. of Invertebrate Zoology

2003 – MS in Invertebrate Zoology

2001 – BS in Biology

## Teaching experience:

**2018** "Evolutionary and taxonomic diversity of marine invertebrates", International course , St Petersburg University and Educational and Research Station "Belomorskaia" (SPbU) at the White Sea, Russia, 25 July - 19 August 2018.

**2016- up to present:** "Invertebrate Zoology", practical training course for schoolers of SPSU Academic Gymnasium

**2016-up to present:** "Soil Zoology", practical training course for undergraduate students, Institute of Earth Sciences of SPSU

**2004-2014:** "Invertebrate Zoology", summer practical course for undergraduate students, Faculty of Biology SPSU (Marine Biological Station of the SPSU, White Sea)

**2001-2014:** "Invertebrate Zoology", practical training course for undergraduate students, Faculty of Biology, SPSU

## Field experience:

- Arctic Norwegian Fjords (Varangerfjord, Tanafjord), Barents Sea, coastal expedition, participating scientist: July 2019
- Barents Sea, coastal expedition, participating scientist: July 2015, July 2016
- White Sea Biological station of ZIN RAS: June-August 1999-2001; October 2014-2018; March-April 2014-2018; May 2014
- North Sea, RV *Alkor* (GEOMAR, Kiel, Germany), participating scientist: May 2014
- White Sea, RV *Prof. Kuznetsov*, participating scientist: August 2012
- Solovetsky archipelago (Onega Bay, White Sea), coastal expedition, participating scientist: July 2001; July 2004; July 2009
- White Sea, Kandalaksha State Nature Reserve, coastal expedition, participating scientist: July 2007
- Marine Biological Station of SPSU (Kandalaksha Bay, White Sea), coastal expedition: every year in different seasons since 1998

## Grants:

**2018-2020** "Environmental monitoring of Arctic coastal ecosystems: Sensitivity to petroleum pollution (Arctic EcoSens)". Norwegian-Russian project funded by the Research Council of Norway together with Russian Foundation for Basic Research (project number 18-54-20001), participant.

**2018** Travel grant of the St Petersburg University for participation in the 53rd European Marine Biology Symposium, Ostend, Belgium, 17-21 September, 2018, principal investigator.

**2017-2018** "Teleconnections of the Late Quaternary paleoclimatic events between the subpolar North Atlantic and Southern ocean (Indian sector)" funded by the Russian Science Foundation (project number 16-47-02009), participant.

**2014-2016** "Environmental MAnagement of Petroleum activities in the Barents Sea: Norwegian-Russian collaboration (EMAP)" – Norwegian-Russian project funded by the Research Council of Norway (Project Number: 233635) together with Russian Foundation for Basic Research (project number 14-04-93083), participant.

**2014** "Subpolar salt marsh foraminifera", OSL-14-11 (Otto Schmidt Laboratory for Polar and Marine Research, Arctic and Antarctic Research Institute) funded by German Ministry for Education and Research (BMBF), participant.

**2012-2014** "Taxonomic revision, phylogenetic analysis and morphospecies structure in the order Himatismenida (Amoebozoa incertae sedis)" funded by the Russian Foundation for Basic Research (project number 12-04-01835), participant.

**2009-2011** "Biodiversity, population structure and species problem among naked lobose amoebae" funded by the Russian Foundation for Basic Research (project number IAS 1.15.225.2009), participant.

## Short-term visits:

**May 2014:** GEOMAR, Kiel, Germany. Collaboration with Dr. Joachim Schönfeld. Financial support from OSL-14-11 grant and RFBR 14-04-93083 grant.

## Cruise reports:

**2014** Schönfeld, J., **Golikova, E.**, Jurkat, L., Lange, M., Mey, R., Milker, Y., Müller-Navarra, K., Schmid, S., Schmiedl, G., Wein, T. and Weissenbach, J. Cruise Report ALKOR 438 [AL438] - Foraminiferal biomonitoring in the North Sea, May 29 - May 31, 2014, Kiel (Germany) - Kiel (Germany) GEOMAR Helmholtz-Zentrum für Ozeanforschung, Kiel, Germany, 54 pp. <http://oceanrep.geomar.de/26578/>; DOI 10.3289/CR\_AL438.

## Participation in conferences & workshops:

**2019** The 54th European Marine Biology Symposium (EMBS54), Dublin, Ireland, 24-29 August 2019

- 2019** "From normal marine to extreme environments: A Micropaleontological Perspective". The Micropalaeontological Society's Joint Foraminifera and Nannofossil Meeting, Fribourg, Switzerland, 1–4 July 2019.
- 2018** "Arctic EcoSens-2018": Russian-Norwegian Bilateral Cooperation Project, 03-05 October 2018, St. Petersburg, Russia.
- 2018** The 53rd European Marine Biology Symposium (EMBS53), Ostend, Belgium, 17-21 September 2018.
- 2018** The International Symposium on Foraminifera – FORAMS 2018, Edinburgh, UK, 17-22 June 2018.
- 2017** XXII International Conference on Marine Geology, Moscow, Russia, 20 – 24 November 2017.
- 2017** International workshop "Bridging gaps and generations in foraminiferal biomonitoring: toward a new COST Action on pollution monitoring", Department Geosciences, University of Fribourg, Switzerland, 23-27 September 2017.
- 2017** 10th International Workshop on Agglutinated Foraminifera (IWAF-10), Congress Centre of Slovak Academy of Sciences, Smolenice Castle, Slovakia, April 19-23, 2017.
- 2016** The Young Systematists' Forum, 25th November 2016, National History Museum, London, UK.
- 2016** The Norwegian-Russian research seminar "Biomonitoring methodologies of offshore oil and gas activities in Norway and Russia", 15-16 November 2016, St. Petersburg, Russia.
- 2016** The Batsheva de Rothschild Workshop "Live Foraminifera as a new model system for monitoring and reconstructing marine environments", 10-16 September 2016, Eilat, Israel.
- 2016** TMS Foraminifera and nannofossil groups joint meeting 2016: From life strategies to the geological record, Anger, France, 19-24 June 2016.
- 2016** Arctic Frontiers: Industry and Environment, Tromsø, Norway 24-29 January, 2016.
- 2015** International Workshop: Methodology and principles of Arctic environmental monitoring of hydrocarbons, St. Petersburg, 2-3 of December, 2015.
- 2015** XXI International Conference on Marine Geology, Moscow, Russia, 16 – 20 November 2015
- 2014** OSL Fellowship Workshop 2014, St. Petersburg, Russia, 15 – 16 December 2014.
- 2014** OSL Fellowship Workshop 2014, St. Petersburg, Russia, 27 – 28 January 2014.
- 2014** FORAMS 2014 – the International Symposium on Foraminifera, Concepcion, Chile, 19-24 January 2014.
- 2012** International Exploratory Workshop on Foraminiferal Bio-Monitoring II (FOBIMO II), Fribourg, Switzerland, August 30th-September 2nd, 2012.
- 2012** The Micropalaeontological Society's Foraminifera and Nannofossil Groups Joint Meeting, June 21-22, 2012, Edinburgh, Great Britain.
- 2012** International Conference "Salinity in biological sciences" (On the 50th anniversary of the concept of critical salinity and the 80th anniversary of Professor V.V. Khlebovich). Zoological Institute RAS, February 27-29, Saint-Petersburg, Russia.
- 2011** International Exploratory Workshop on Foraminiferal Bio-Monitoring (FOBIMO), Fribourg, Switzerland, 22-24 June.
- 2010** FORAMS 2010, International Symposium on Foraminifera, September 5 – 10, University of Bonn, Germany.
- 2009** International Workshop «The utilisation of Benthic Foraminifera as Bio-Indicators of Oil and Gas Activities in the Barents Sea», Murmansk- Meridien Hotel, 24 - 25 February 2009.
- 2007** V European Congress of Protistology and XI European Conference on Ciliate Biology, July 23–27, 2007, St. Petersburg, Russia.
- 2003** IV Scientific session of the Marine Biological Station, St-Petersburg State University, St. Petersburg, Russia.
- 2001** II Scientific session of the Marine Biological Station, St-Petersburg State University, St-Petersburg, Russia.

### Participation in research training courses:

- 2017** 1st FRESCO Summer School on Living Foraminifera in Coastal Environments, Angers, France, 2-7 July 2017.
- 2011** International Polychaete Course, White Sea Biological Station, Moscow State University, Russia, 7-20 September.
- 2001** Course "Methods of Molecular Systematics", Laboratory of Cell Biology, Zoological Institute of the Eberhard Karls University, Tübingen, Germany (Diploma).

### List of publications:

- 2018** Golikova E., Kniazeva O., Korsun S. Multiyear data on benthic foraminifera in a glaciated fjord of Svalbard. *Data in Brief*, 17: 363-392. <https://doi.org/10.1016/j.dib.2018.01.046>
- 2016** Alve, E., Korsun, S., Schönfeld, J., Dijkstra, N., **Golikova, E.**, Hess, S., Husum, K., Panieri, G. Foram-AMBI: A sensitivity index based on benthic foraminiferal faunas from North-East Atlantic and Arctic fjords, continental shelves and slopes. *Marine Micropaleontology*, 122: 1-12. [doi:10.1016/j.marmicro.2015.11.001](https://doi.org/10.1016/j.marmicro.2015.11.001)
- 2014** S. Korsun, M. Hald, **E. Golikova**, A. Yudina, I. Kuznetsov, D. Mikhailov & O. Knyazeva. Intertidal foraminiferal fauna and the distribution of Elphidiidae at Chupa Inlet, western White Sea. *Marine Biology Research*, 10:2, 153-166, [DOI: 10.1080/17451000.2013.814786](https://doi.org/10.1080/17451000.2013.814786)
- 2013** Schönfeld, J., **Golikova E.**, Korsun S., Spezaferri, S. The Helgoland Experiment – assessing the influence of methodologies on Recent benthic foraminiferal assemblage composition. *Journal of Micropalaeontology*, 32: 161–182. [doi: 10.1144/jmpaleo2012-022](https://doi.org/10.1144/jmpaleo2012-022)
- 2013** S. Korsun, **E. Golikova**, A. Yudina, I. Kuznetsov, D. Mikhailov, O. Knyazeva. Freshwater discharge and the distribution of intertidal foraminifera, outer Chupa Inlet, western White Sea. *Proceedings of the Zoological Institute RAS*. Suppl. 3, pp. 235-243.
- 2012** Schönfeld, J., Alve, E., Geslin, E., Jorissen, F., Korsun, S., Spezaferri, S., members of the FOBIMO Group, incl. E.Golikova. The FOBIMO (FOraminiferal Blo-Monitoring) initiative - Towards a standardized protocol for soft-bottom benthic foraminiferal monitoring studies. *Marine Micropaleontology*, 94–95: 1-13. <http://dx.doi.org/10.1016/j.marmicro.2012.06.001>
- 2003** Golikova E.A., Fateev A.E. Investigations of the temperature resistance of fabriciin polychaetes *Fabricia sabella* Müller and *Fabriciola baltica* Friedrich (Sabellidae, Fabriciinae) from Keret's archipelago region of the White Sea. *Vestnik Sankt-Peterburgskogo Universiteta*, Seria 3, 4 (27): 12-17 [in Russian].
- 2002** Fateev A.E., **Golikova E.A.** Resistance of two species of fabriciin polychaetes to low salinity (Sabellidae: Fabriciinae) from the White Sea. *Vestnik Sankt-Peterburgskogo Universiteta*, Seria 3, 1 (3): 28-34 [in Russian].

### **Published abstracts:**

- 2019 Golikova, E.**, Varfolomeeva, M., Korsun, S. Subarctic salt marsh foraminifera under seasonal ice. P. 96. In: Abstract Book of 54<sup>th</sup> European Marine Biology Symposium. Dublin, Ireland, 25-29 August 2019.
- 2019 Golikova, E.**, Mikhailov, D., Voltsky, I., Varfolomeeva, M., and Korsun, S. Living on the edge: intertidal foraminifera at the 78°N, Central Spitsbergen. Pp. 29-30. In: "From normal marine to extreme environments: A Micropaleontological Perspective". The Micropalaeontological Society's Joint Foraminifera and Nannofossil Meeting, Fribourg, Switzerland, 1–4 July 2019.
- 2018 E. Golikova.** Salt marsh foraminifera next to the polar circle: a baseline study. In: "Arctic EcoSens-2018": Russian-Norwegian Bilateral Cooperation Project, 03-05 October 2018, St. Petersburg University, St. Petersburg, Russia.
- 2018 E. Golikova**, M. Varfolomeeva, S. Korsun. Salt marsh foraminifera from the subarctic White Sea. P. 132. In: Book of Abstract "The 53rd European Marine Biology Symposium (EMBS53), Ostend, Belgium, 17-21 September 2018".
- 2018 E. Golikova**, M. Varfolomeeva, S. Korsun. A subarctic salt marsh and its unexpectedly high foraminiferal abundance, White Sea, northern Europe. In: The International Symposium on Foraminifera – FORAMS 2018, Edinburgh, UK, 17-22 June 2018.
- 2018** Mikhailov D., Holzmann M., **Golikova E.**, Pawlowski J., Korsun S. Molecular analyses reveal a paraphyletic origin for Trochamminidae. In: The International Symposium on Foraminifera – FORAMS 2018, Edinburgh, UK, 17-22 June 2018.
- 2017 E.Golikova**, D. Mikhailov, S.Korsun. The salt marsh foraminifer *Trochammina inflata* in the White Sea: a local variety or new subspecies? Pp. 73-76. In: Geology of the seas and oceans: Proceedings of XXII International Conference on Marine Geology. Vol. 1, - Moscow: GEOS. [in Russian].
- 2017 E.Golikova**, D. Mikhailov, S.Korsun. The salt marsh foraminifer *Trochammina inflata* with a distinct morphotype in the White Sea: a local variety or new subspecies? In: Ján Soták, Kaminski M.A., Fekete K. & Kowal-Kasprzyk J. (eds.), 2017. 10th International Workshop on Agglutinated Foraminifera. Grzybowski Foundation Special Publication, 23, p.36.
- 2016 E.Golikova**, S.Korsun. The intertidal foraminifer *Trochammina inflata* with a distinct morphotype in the White Sea, Russian Arctic: a local variety or new species? Young Systematists' Forum, 25th November 2016, National History Museum, London, UK.
- 2016 E.Golikova**, M.Varfolomeeva, D.Mikhailov, S.Korsun. Far north: modern salt marsh foraminifera from the subarctic White Sea. P. 44. The Batsheva de Rothschild Workshop "Live Foraminifera as a new model system for monitoring and reconstructing marine environments", 10-16 September 2016, Eilat, Israel.
- 2016 E.Golikova**, M.Varfolomeeva, S.Korsun. Salt marsh foraminifera of Tierra del Fuego, southern Chile. In: TMS Foraminifera and nannofossil groups joint meeting 2016: From life strategies to the geological record, Anger, France, 19-24 June 2016.
- 2016 Golikova E.A.**, Varfolomeeva M.A., Mikhailov D.A., Korsun S.A. Salt-marsh foraminifera from the subarctic White Sea: a baseline study. P. 120. In: Arctic Frontiers: Industry and Environment, Tromsø, Norway 24-29 January, 2016.
- 2015 Golikova E.A.**, Varfolomeeva M.A., Mikhailov D.A., Korsun S.A. Subpolar intertidal and saltmarsh foraminifera. Pp. 95-98. In: Geology of the seas and oceans: Proceedings of XXI International Conference on Marine Geology. Vol. 1, - Moscow: GEOS.
- 2014** S.Korsun, E.Alve, **E.Golikova**, S.Hess, K.Husum, G.Panieri, and J.Schoenfeld. "Does AMBI, a commonly used macrofauna-based ecological monitoring measure, work for benthic foraminifera?" Pp. 74-75. In: Abstracts Volume "International Symposium on Foraminifera FORAMS 2014", 19-24 January, Chile.
- 2012** Schönfeld J., **Golikova E.**, Korsun S., Spezzaferri S. The Helgoland Experiment - assessing the influence of methodologies on Recent benthic foraminiferal assemblage composition. In: The Micropalaeontological Society's Foraminifera and Nannofossil Groups Joint Meeting, 21-22 June, Edinburgh, Great Britain.
- 2010 E. Golikova**, S. Korsun. Arctic benthic foraminiferal assemblages as a potential indicator of anthropogenic environmental impact. Pp. 96-97 in Abstracts Volume « FORAMS 2010, International Symposium on Foraminifera», September 5 – 10, 2010, University of Bonn, Germany.
- 2007 E.A.Golikova**, M.A.Varfolomeeva, S.A.Korsun. Community structure of benthic foraminifera from a glaciated fjord of Spitsbergen. Pp. 33-34 in Abstracts of V European Congress of Protistology and XI European Conference on Ciliate Biology, July 23-27, 2007, St. Petersburg, Russia.
- 2003 Golikova E.A.**, Fateev A.E. Investigations of temperature resistance of fabriciin polychaetes *Fabricia sabella* Müller and *Fabriciola baltica* Friedrich (Sabellidae, Fabriciinae) from Keret's archipelago region of the White Sea. Pp. 52-53. In Abstracts of the IV Scientific session of the Marine Biological Station, St. Petersburg State University, St. Petersburg, Russia [in Russian].