

Curriculum Vitae

Liliya Khatmullina

Junior researcher, MSc



Personal details

Date of Birth:	25 January 1992	Working Address:	Prospekt Mira 1, 236022 Kaliningrad, Russia
Citizenship:	Russian Federation	Tel.:	(007) 911 4533682
		E-mail:	liliakhatmullina@gmail.com

Education

2019	finished PhD course in Oceanography at Immanuel Kant Baltic Federal University, Kaliningrad, Russia
2015	MSc. from Master Program for Polar and Marine Sciences POMOR at Saint Petersburg State University (Russia) and Hamburg University (Germany)
2012	BSc. in Biology from Faculty of Biology and Soil Sciences at St. Petersburg State University, Russia

Employment

2016-current	Junior researcher in the Laboratory for Marine Physics, Atlantic branch of P.P. Shirshov Institute of Oceanology, Russian Academy of Sciences, Kaliningrad, Russia
2012-2014	Specialist in optical microscopy, Research Resource Center for Molecular and Cell Technologies of St. Petersburg State University, Russia

Participation in the scientific projects

2019-2020	Member of organizing committee of 5 th Russian young scientists conference “Integrated ocean research” http://kimocon.ru/
2019-present	MOTION Microplastic aggregation and transfer in marine food webs (funded by Swedish Institute https://si.se/en/ programme aimed to support Third Country Participation in the Baltic Sea region) Project coordinator: Prof. Dr. Elena Gorokhova (Sweden, Stockholm) Russian project leader: Dr. Sci. Irina Chubarenko
2019-present	Boundary conditions for problems of transport and fate of microplastics particles in marine environment (Russian Science Foundation, # 19-17-00041) Project leader: Dr.Sci. I.Chubarenko
2018-present	BalticLitter. Litter rim of the Baltic Sea coast: monitoring, impact, and remediation (Russian Foundation for Basic Research, #....) Project leader: Dr.Sci. I.Chubarenko
2019	Volunteer in The Ocean CleanUp 3 rd mission to the Great Pacific Garbage Patch
2018-2019	Volunteer participant of the meetings of SCOR Working Group 153: Floating Litter and its Oceanic Transport Analysis and Modelling (FLOTSAM)
2018-2020	Investigating settling process of marine microplastic particles of various shapes (Russian Foundation for Basic Research, #18-35-00553, project leader)
2016-2018	Microplastics research in the Baltic marine environment (Russian Science Foundation, #15-17-10020) Project leader: Dr.Sci. I. Chubarenko
2015	Collaborative Research Centre 754 (SFB 754) project "Climate-Biogeochemistry Interactions in the Tropical Ocean" funded by the German Research Foundation (DFG). Subproject leader: Pr.Dr. B.Schneider (Christian-Albrechts University, Kiel)
2014	Russian-German XXII Transdrift expedition to the Laptev sea
2011	Microhabitats of benthic Foraminifera in glacial marine sediments (Norwegian Research Council contract 196186/S30, PI: M.Hald, 1.1.2010-31.12.2011) Russian project leader: Dr. S.Korsun (St. Petersburg State University)

Additional Qualifications

2019	Protected Species Observer course by Seiche Training (certificate #1834)
2019	JNCC Marine Mammal Observer course by Seiche Training (certificate #180117)
2013	European Molecular Biology Laboratory Course on Advanced Imaging Technics, Heidelberg, Germany
2012-2013	English extension courses: “Academic English”, “Preparation for

Main publications

1. Chubarenko I., Esiukova E., Khatmullina L., Lobchuk O., Grave A., Kilesa A., Haseler M. From macro to micro, from patchy to uniform: Analyzing plastic contamination along and across a sandy tide-less coast // *Marine Pollution Bulletin*. – 2020. – Vol. 156. – P. 111198. <https://doi.org/10.1016/j.marpolbul.2020.111198>
2. Van Sebille E. et al. The physical oceanography of the transport of floating marine debris // *Environmental Research Letters*. – 2020. – Vol. 15. – №. 2. – P. 023003. <https://doi.org/10.1088/1748-9326/ab6d7d>
3. Khatmullina L., Chubarenko I. Transport of marine microplastic particles: why is it so difficult to predict? // *Anthropocene Coasts*. – 2019. – Vol. 2. – P. 293–305. <https://doi.org/10.1139/anc-2018-0024>
4. Irina Chubarenko, Elena Esiukova, Andrei Bagaev, Igor Isachenko, Natalia Demchenko, Mikhail Zobkov, Irina Efimova, Margarita Bagaeva and Lilia Khatmullina. Behavior of Microplastics in Coastal Zones, In: *Microplastic Contamination in Aquatic Environments*, edited by Eddy Y. Zeng, Elsevier, 2018, Pages 175-223, ISBN 9780128137475, <https://doi.org/10.1016/B978-0-12-813747-5.00006-0>.
5. Bagaev A., Khatmullina L., Chubarenko I. Anthropogenic microliter in the Baltic Sea water column // *Marine Pollution Bulletin*. – 2018. – Vol. 129 (2).–P. 918-923 <https://doi.org/10.1016/j.marpolbul.2017.10.049>
6. Khatmullina L., Isachenko I. Settling velocity of microplastic particles of regular shapes // *Marine Pollution Bulletin*. – 2017. – Vol. 114. – №. 2. – P. 871-880. <http://dx.doi.org/10.1016/j.marpolbul.2016.11.024>
7. Bagaev A., Mizyuk A., Khatmullina L., Isachenko I., Chubarenko I. Anthropogenic fibres in the Baltic Sea water column: Field data, laboratory and numerical testing of their motion // *Science of The Total Environment*. – 2017. – Vol. 599. – P. 560-571. <https://doi.org/10.1016/j.scitotenv.2017.04.185>

Key skills

Languages:	Advanced English
Lab work:	Basic methods of hydrochemical analysis of the main nutrients, bottom sediment sampling and preparation, light and confocal microscopy, biochemistry, microplastics counting
Aboard/field experience:	CTD, Rosette water sampling, Multicorer and Van Veen grab bottom sampling, participation in benthic ecosystem experiment maintenance,

plankton net sampling, neuston towing, plastic litter monitoring

Software:

MS Office, ODV, Leica Software, CS Photoshop, Grapher