

Varvara Nikulina

MSc in Industrial Ecology, MSc in Biophysics, BSc in Biology

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Karlskrona, Sweden

PROFILE

Qualified industrial ecologist with experience in research, project management, fundraising and administrative work. Focused on achieving sustainability objectives using systems thinking and applying methods and tools of industrial ecology and biophysics. Experienced in working with people with different backgrounds, proactively looking for opportunities in creating space for personal development, teamwork and engagement to achieve common goals.

EDUCATION

PhD in Strategic Sustainable Development

January 2017 – current

Blekinge Institute of Technology, Mistra Urban Futures Sweden

Topic: „Transition towards sustainable multimodal personal mobility based on the local context“

MSc in Industrial Ecology

Chalmers University of Technology

Sweden

August 2014 – June 2015

Karl-Franzens Universität Graz

Austria

August 2013 – July 2014

Granted a full scholarship from Erasmus Mundus Programme (European Commission).

Project management, sustainable transportation, leadership for sustainability transition.

Eco-controlling, environmental decision making, sustainable entrepreneurship, value chain management.

Master thesis “How can future methodologies be applied in the planning process? Case study of the bus park and railway station in Kisumu, Kenya and Centralen Gothenburg, Sweden”.

Supported by Trafikverket (Swedish transport administration) and research grant from the Swedish Secretariat for Environmental Earth System Sciences and conducted in partnership with Mistra Urban Futures and UN-HABITAT. Presented at UN Sustainable Development Solutions Network Northern Europe.

MSc in Biophysics

September 2008 – June 2009

Donetsk National University

Ukraine

Granted a full scholarship from the Ukrainian government.

Current challenges of biophysics, systems ecology, medical biophysics of critical state.

Master thesis “The influence of the tree roots’ vibrations on the soil making process”.

BSc in Biology

September 2004 – June 2008

Donetsk National University

Ukraine

Granted a full scholarship from the Ukrainian government.

Botany, zoology, physics, chemistry, anatomy, biochemistry, genetics, soil science, biophysics, mathematics.

Bachelor thesis “Plant vibrations and their biological effects”.

WORK

Project assistant

Blekinge Institute of Technology, Sweden

Chalmers University of Technology, Sweden

July – December 2016

February – June 2016

June – August 2015

Search, collect, review and analyze information. Contributing to the course development. Ensuring data validity and reliability.

Projects: “Analysis of effects of free-floating car sharing services”. “Benchmarking of the sustainable transition organizations in the Northern America and Europe. European funding opportunities for the Challenge Lab”.

Assistant

Mistra Urban Futures, Sweden

September – December 2015

Part of the organizing team of Urban Lunches. Assistance with the administrative work at the office. Part of the communication team and electronic library project.

Chairperson of the regional branch, co-founder

all-Ukrainian Association for Youth Cooperation

“Alternative-V”, Ukraine

February 2011 – August 2013

Organization and co-ordination of short-, long-term international projects, local events and trainings. Work with all sectors, academia. Topics: intercultural learning, social inclusion, environmental awareness and sustainability.

Trainer, leader, project manager and fundraiser for **12 international projects** in Hungary, Poland and Ukraine.

European voluntary service volunteer

Free Time Activity Center TYMY Holesov, Czech Republic

January – October 2010

Teaching Russian, English, keyboard; organization of occasional activities, administrative work.

Project manager, leader and fundraiser of the international youth-exchange “Words, steps, rhythms through diverCITY”.

Research assistant

Donetsk Botanical Garden of National Academy of Sciences of Ukraine

April – December 2009

Experimental work, analysis of data, writing articles; guiding excursions for large groups of adults and children, English-Russian-Ukrainian-English translation

Project “The influence of the tree roots’ vibrations on the soil making process”.

Interviewer for Camp America Program and Au-Pair in America Program

Kyiv Youth Labor Center, Ukraine

September 2007-August 2013

Interviewing applicants, preparation of the documents, writing reports (in English).

VOLUNTEER

Intern

IVL (Swedish Environmental Research Institute)

March – May 2016

Assistant in different projects (i.e. forest and soil, waste to energy), work with grant applications and partners

Treasurer

International Industrial Ecology Professionals

August 2015 – current

Fundraising, networking, establishing new and strengthening existing partnerships.

Board member (event manager)

Chalmers Students for Sustainability

Gothenburg, Sweden

September – December 2014

Organization of the events, part of the decision-making team.

Project leader, program representative (Master in INDUSTRIAL ecology)

Erasmus Mundus Association

February 2014 – current

Promotion of the program, organization of various activities for students, evaluation of the study program.

Co-organizer of European Master Network in Industrial Ecology conference in Gothenburg, Sweden (April 2014). Took part in the discussion of EU Global Strategy at EC (March 2016).

Academic teacher

Donetsk National University, Ukraine

February 2009

Teaching magnetoreception to 3rd year bachelors; administrative work.

Donetsk Technical Lyceum, Ukraine

February 2008

Teaching biology, informatics to 8-9 graders.

SKILLS

Professional skills

Backcasting, EIA, SEA, SIA, LCA, ecological footprint, tools for stakeholder management and dialogue, impact assessment methods, CSR methods, methods and principles of sustainable entrepreneurship and management; methods of classical ecology, magnetoreception, magnetic hydrodynamics.

Computer literacy

Microsoft Office, Matlab, Mathcad, Corel

Communication

Extended experience in public speaking (academic and non-academic), leading of trainings; writing reports in Russian, Ukrainian, English and Czech.

LANGUAGES

Swedish (B1, SAS2)

English (TOEFL 102, GMAT 550)

Czech (C1)
German (B1)

Russian (native)
Ukrainian (native)

PUBLICATIONS

Number of **articles**: 4 (3 in English, 1 in Russian)

Number of **conference papers**: 10

Public author profile on Google Scholar:

https://scholar.google.com/citations?hl=en&user=oXfevxlAAAAJ&view_op=list_works

Public researcher profile on Research Gate:

https://www.researchgate.net/profile/Varvara_Nikulina

h-index: 2 (Google Scholar)

total citations: 11 (November 2017)

REFERENCES

Assoc. Prof. Henrikke Baumann
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at Donetsk Botanical Garden of the National Academy of Sciences of Ukraine
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