





PERSONAL INFORMATION

Nina Lončar



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Sex Female | Date of birth 23/07/1977 | Nationality Croatian

WORK EXPERIENCE

17/10/2018 - present

Associate professor

Department of Geography, University of Zadar, Zadar, Croatia

- Lecturer: Undergraduate programme: Geography of Natural Hazards, Medical Geography, Graduate programme: Physical geography and Environmental changes, Environmental management and Disaster risk Reduction; Doctoral study: Natural hazards and Catastrophes in the Mediterranean

01/02/2013 – 16/10/2018

Assistant professor

Department of Geography, University of Zadar, Zadar, Croatia

- Head of Chair for Applied geography
- Lecturer: Undergraduate programme: Geography of Natural Hazards, Medical Geography, Graduate programme: Physical geography and Environmental changes, Environmental management and Disaster risk Reduction; Doctoral study: Natural hazards and Catastrophes in the Mediterranean

01/11/2006 - 01/02/2013

Assistant

Department of Geography, University of Zadar, Zadar, Croatia

- Lecturer: Regional geography of Latin America (since academic year 2007/08), Natural Hazards (since academic year 2008/09), Medical geography (since academic year 2012/2013), Regional geography of North America (2007/08), Regional geography of Africa (2006/07)
- Assistant (seminar courses): Regional geography of North America (2009/10, 2010/11), Soil geography (2008/09, 2009/10) Geoecology (2008/09) Hydrogeography (2006/07), Physical geography (2006/07)

07/11/2005 – 07/02/2006

Geography teacher

- Elementary school "Murterski škoji", Murter

15/01/2004 – 20/02/2004

Geography teacher

- Elementary school "Fran Galović", Murter

10/2002 – 04/2003

Assistant in collaboration with non-governmental societies

Ministry of Environment, Zagreb, Croatia

EDUCATION AND TRAINING

10/06/2012

DOCTOR OF PHILOSOPHY (Ph. D.)

Faculty of Science, University of Zagreb

- In scientific area of interdisciplinary sciences, Scientific field of geography, Scientific branch of physical geography
- Thesis: Isotopic composition of the speleothems from the Eastern Adriatic islands caves as an indicator of palaeoenvironmental changes

- 10/06/2012 **MA Geography**
 Faculty of Science, University of Zagreb

 - Thesis: Geomorphological characteristics of the Crveno jezero Lake near Imotski (Croatia)

- 03/2019 **UAS operator CERTIFICATE**
 Croatian Civil Aviation Agency

- 11/2012 **Disaster Risk Reduction Trainer**
 Disaster Risk Reduction Trainer Course, Disaster Prevention and Preparedness Initiative For South-Eastern Europe, UN Capacity for Disaster Reduction Initiative (UN CADRI), Swedish Civil Contingencies Agency (MSB)

- 10/2011 **Disaster Risk Reduction Course**
 Disaster Risk Reduction Training Course, Prevention and Preparedness Initiative For South-Eastern Europe, UN Capacity for Disaster Reduction Initiative (UN CADRI), Swedish Civil Contingencies Agency (MSB), Neptun, Romania

- 07/2011 **ESRI Arc Gis Desktop 1 and 2**
 Prehnit, Ltd, University of Zadar

 - Getting started with GIS, Tools and Funcionality

- 01/2009 **MIT GIS workshop and courses**
 Massachusetts Institute of Technology - Office of Educational Innovation and Technology, Cambridge, MA, USA

 - Introduction to GIS using ESRI ArcGIS Desktop, Open Source and Free Mapping Tools, Introduction to GIS using free software tools and data, Site Selection - Making Spatial Decisions Using a GIS, Introduction to Google Maps API, Using Elevation Data and Hydrographic Tools in a GIS, Mapping and Using US Census Data, Model Builder, StarHydro

PERSONAL SKILLS

Mother tongue(s) **Croatian**

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills

- good communication skills gained through my experience as teacher and lecturer as well as collaborator on various professional and research projects and enrolment in NGO's and associations (Croatian Geographical Society – Zadar, Caving club, Diving club and association)
- Assistant for collaboration with NGOs within Ministry of Enviroment, december 2002 - april 2003.

Organisational / managerial skills

- Since 2015 Editor in Chief, scientific journal Geoadria
- 2013 – 2018 Vice President of the Croatian Geographical Society – Zadar
- 2011- 2013 Secretary of Croatian Geographical Society - Zadar
- Since 2010 Member of the Committee for diving activities the University of Zadar
- tutoring students on their assignments through my courses and trough projects such as: Festival of Science and Using GIS to improve geographic knowledge among secondary school teachers and students
- mentor to 12 Master Thesis, and currently mentoring 4 graduate (Ms) and two doctoral thesis
- good organisation and management skills acquired trough collaboration on various professional and research projects
- Editor of the magazine “Okoliš” published by the Ministry of Enviroment (january-april 2003)

Job-related skills

Collaborations in Academia

- Geological Survey of Israel - Research visit, Collaboration with Dr. Mira Bar-Matthews and Avner Ayalon in performing U-Th, $\delta^{18}\text{O}$, $\delta^{13}\text{C}$ measurements on speleothems, 10-29 October, 2010
- Collaboration with Prof. John E. Myroie, Department of Geosciences, Mississippi State University, Starkville, USA. 26 Dec 2008 -10 Jan 2009. Subject: Small carbonate islands; Caves of the Croatian islands. Participation in a field course taught by the Department of Geosciences at the Gerace Research Centre on San Salvador Island, Bahamas, 26 Dec 2008–06 Jan 2009
- Visiting the Department of Earth Atmospheric and Planetary Sciences Massachusetts Institute of Technology, Boston, USA, collaboration with Dr. Jacob Waldbauer, 11 Jan – 11 February 2009
- Collaboration with Office of Educational Innovation and Technology at Massachusetts Institute of Technology on StarHydro project (Participation in discussions to determine ways in which StarHydro application can be improved to allow easier integration with undergraduate curriculum outside MIT)
- Collaboration with Prof. Noreen Tuross, The Laboratory of Archaeological Biochemistry, University of Harvard, Boston, USA, $^{13}\text{C}/^{12}\text{C}$ analyses on soil samples, February 2009

Scientific and professional research experience (reverse chronological order):

2020-2024 Croatian Scientific Fundation, Research project Relative sea level change and climate change along theeastern Adriatic coast, Team leader for research of Phreatic overgrowths on speleothems as sea-level indicator

2018-2023 Croatian Scientific Fundation project: Geospatial Analasis Laboratory, Research collaborator

2017 Topographic survey, inventory and evaluation of the possibilities of valorisation of cave on the Lastovo Island, PP Lastovsko otočje, co-leader

2017. Quantitative analysis of gullies in the area of the Pag Island based on the high resolution model, Natura Jadera, co-leader

2016. Popularization of Science and Use of Geographic Information Systems (GIS) in Schools, University of Zadar, co-leader

2015 (in progeress) The Shipweck of Gnalić – Mirror of Renaissance World, Research collaborator

2015 (in progeress) The Ragusan Ship S. Girolamo, Research collaborator

2014 (in progeress) Croatian Scientific Fundation project: Reconstruction of the Quaternary environment in Croatia using isotope methods REQUENCRIM, Research collaborator;

2012 (in progress) Scientific project: Reconstruction of regional climatic changes – speleothem records from northern Dalmatia, Research collaborator

2010-2015 Scientific project: Geographical basis for the development of Croatian littoral regions, Research collaborator

2010. Gaining experience in radiometric and stable isotope measurements, MZOS, UKF Grant Agreement No. 71/10, project leader

2010 Paleoclimatic and speleological research of the caves on Mijet Island, Research collaborator

2007 – 2009 Scientific project: Croatian coastal karst zone – geomorphological and ecological features, Research collaborator

2003 – 2006 Egsokarstic, glacial and periglacial relief forms in the area of the North Velebit National Park, Research collaborator

2003 – 2006 Egsokarstic, glacial and periglacial relief forms in the area of the Paklenica National Park, Research collaborator

2002 – 2003 Geological and geomorphological inventarisation of Telašćica Nature Park, Research collaborator

Computer skills

- GIS
- excellent command of Microsoft Office™ tools
- very good in using graphic programs such as Corell, Photo shop

- Other skills
- speleologist
 - Certified Dive Master (three star, CMAS)

- Driving licence
- B

ADDITIONAL INFORMATION

Main research interests:

geomorphology, karstology, palaeoclimatology, environmental changes, natural hazards
Author or co-author of 20 scientific papers, 5 book chapters and 31 conference abstracts.

Publications**Selected publications:**

Lončar, N., Bar-Matthews, M., Avalon, A., Faivre, S., Surić, M. (2018): Holocene climatic conditions in the Eastern Adriatic recorded in stalagmites from Strašna peć Cave (Croatia) <https://doi.org/10.1016/j.quaint.2018.11.006>
Perić, Z., Lončar, N., Barišin, A. (in press): Influence of heat waves on mortality in Croatia, *Geoadria* 23(2)
Lončar, N., Bar-Matthews, M., Avalon, A., Surić, M., Faivre, S., 2017: Early And Mid-Holocene environmental conditions in the Eastern Adriatic recorded in speleothems from mala špilja Cave and Velika špilja Cave (Mljet Island, Croatia). *Acta Carsologica*, 46 (2–3) 229–249
Surić, M., Lončarić, R., Bočić, N., Lončar, N., Buzjak, N., (2017): Monitoring of selected caves as a prerequisite for the speleothem-based reconstruction of the Quaternary environment in Croatia, *Quaternary international* 494, 263-274
Surić, M., Lončarić, R., Lončar, N., Buzjak, N., Bajo, P., Drysdale, R. N., 2017: Isotopic characterization of cave environments at varying altitudes on the eastern Adriatic coast (Croatia) – implications for future speleothem- based studies, *Journal of Hydrology*, 545 367-380
Surić, M., Lončarić, R., Lončar, N., 2010: Submerged caves of Croatia – distribution, classification and origin, *Environmental Earth Sciences*, 61 (7), 1473-1480.

Projects

Please see **Scientific and professional research experience (reverse chronological order):**

Conferences**Recent conferences:**

9th International Conference on Geomorphology. New Delhi : International Association of Geomorphologists, Indian Institute of Geomorphologists (IGI), 2017.
ESEH Biennial Conference 2017, Natures in between. Environments in areas of contact among states, economic systems, cultures and religions Zagreb, Croatia, 28 June to 2 July 2017
14th International Conference of the Geological Society of Greece, Thessaloniki, Greece, 24. 05. – 05. 06. 2016., Geological Society of Greece & Aristotle University of Thessaloniki
24th International Karstological School "Classical Karst", Paleokarst, Postojna, Slovenija 13- 17 June 2016, Inštitut za raziskovanje krasa ZRC SAZU
6. hrvatski geografski kongres Integrativna i primijenjena istraživanja u prostoru, Trogir, Hrvatska, 29. 09. – 02. 10. 2015.
ESIR Isotope Workshop XIII, Zadar, Hrvatska, 20.-24. 09. 2015.
16th International Conference Climate Change: The Karst Records (KR6), University of Birmingham, UK, 26. – 29. 06. 2011

Honours and awards**Research/professional grants and prizes awarded:**

Unity Through Knowledge Fond, 2A Gaining Experience Grant, financial support for research visit to Geological Survey of Israel, project reworded: Gaining experience in radiometric and stable isotope measurements, October 2010
Keith Runcorn Travel Award – financial support for participating in the European Geosciences Union General Assembly 2010, reworded paper: Assessment of potential hazards in Croatian karst area with emphasis on the degradation of karst aquifers, December 2009
The International Association of Geomorphologists (IAG/AIG) grant for young geomorphologists, May 2007
Ministry of Science and Technology - financial support for participating in Regional Conference on Geomorphology - Geodiversity of polar landforms, Longyearbyen, July 2007
State scholarships, Ministry of Science and Technology for academic year 1998/1999
1999/2000

Memberships

Memberships:

2017- Member of Institute for Maritime Heritage Ars Nautica
2013-2018 Vice President of the Croatian Geographical Society – Zadar
2011-2013 Secretary of the Croatian Geographical Society – Zadar
2010-2014 Member of the Committee for scientific diving activities the University of Zadar
Member of Croatian Geomorphological Society
Member of Croatian Geographical Society – Zadar
2015- Member of Supervising Committee of Diving Club Sv. Roko
1998-2004 Member of Speleological Society DISKF-Zagreb
2009 - Member of Speleological Society SO Liburnia, Zadar

References

Relevant publications in last 5 years:

Perić, Z., Lončar, N., Barišin, A. (u tisku): Utjecaj toplinskih valova na smrtnost stanovništva, Geoadria 23(2)
Lončar, N., Bar-Matthews, M., Avalon, A., Surić, M., Faivre, S., 2017: Early And Mid-Holocene environmental conditions in the Eastern Adriatic recorded in speleothems from mala špilja
Surić, M., Lončarić, R., Bočić, N., Lončar, N., Buzjak, N. (2017): Monitoring of selected caves as a prerequisite for the speleothem-based reconstruction of the Quaternary environment in Croatia, Quaternary International, X, 1-12
Surić, M., Lončarić, R., Lončar, N., Buzjak, N., Bajo, P., Drysdale, R. N. (2017): Isotopic characterization of cave environments at varying altitudes on the eastern Adriatic coast (Croatia)– Implications for future speleothem-based studies, Journal of Hydrology, 545, 367-380.
Domazetović, F., Lončar, N., Šiljeg, A. (2017): Quantitative Analysis of the Adriatic Sea-Level Rise Impact on the Croatian Coast: GIS Approach, Naše More, 64 (2), 33-44

References:

<https://scholar.google.hr/citations?user=0e7LmVUAAAAJ&hl=hr>
<https://bib.irb.hr/lista-radova?autor=293426>

ANNEXES