

Curriculum

Personal

Surname / First **Blanka BARTÓK**
Permanent address 400497, Str. Colonia Faget 8E, Cluj-Napoca, Romania
E-mail blanka.bartok@ubbcluj.ro
Date of birth 20 February 1981

Work experience

Dates 01.03.2017 → present
Occupation or Associate professor
Main activities Research and teaching
Name and address Faculty of Geography, Babes-Bolyai University, Cluj-Napoca, Romania

Dates 01.12.2017 → 30.09.2018
Occupation or postdoc
Main activities Research in climatology. CLIM4ENERGY A service providing climate change indicators tailored for the energy sector
Name of employer Laboratoire des Sciences du Climat et de l'Environnement, LSCE/IPSL/CEA/CNRS, France

Dates 01.10.2015 → 28.02.2017
Occupation or Assistant lecturer
Main activities Research and teaching
Name of employer Faculty of Geography, Babes-Bolyai University, Cluj-Napoca, Romania

Dates 01.10.2014 → 30.09.2015
Occupation or postdoc
Main activities Research in climatology. SolEnergyEU: Integrated assessment of present and future solar energy availability over Europe
Name of employer Institute for Atmospheric and Climate Science, ETH Zürich, Switzerland

Dates 01.03. 2009 → 01.10.2014
Occupation or Assistant lecturer
Main activities Research and teaching
Name of employer Faculty of Geography, Babes-Bolyai University, Cluj-Napoca, Romania

Dates 17.06.2014 → 08.07.2014
Occupation or Visiting researcher
Main activities Research in climatology: Validation of solar surface radiation databases (observations, satellite data, CARPATCLIM) over the Carpathian Basin
Name of employer Hungarian Meteorological Service, Budapest, Hungary

Dates 01.10.2004 → 28.02.2009
Occupation or Visiting assistant lecturer
Main activities Teaching
Name and address Faculty of Geography, Babes-Bolyai University, Cluj-Napoca, Romania

Education and training

Dates	2004 - 2013
Title of	PhD
Principal subjects	Climatology. Title of the PhD thesis: Changes in solar surface radiation over Europe
Name of	Department of Meteorology, University of Debrecen, Debrecen, Hungary
Dates	2004 - 2005
Title of	Master of Science
Principal subjects	Management of atmospheric and water resources
Name of	Faculty of Geography, Babes-Bolyai University, Cluj-Napoca, Romania
Dates	2000 – 2004
Title of	Bachelor of Science in Geography
Principal subjects	Geography with specialization in Meteorology and Hydrology
Name of	Faculty of Geography, Babes-Bolyai University, Cluj-Napoca, Romania

Languages

Mother tongue Hungarian

Other languages English, Romanian

Self-assessment <i>European level</i> (*)	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
English	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
Romanian										

Social skills and good ability to work in a team as well as independently, problem solving, sociability

Organizational skills and project management, organization of workshops and field trips, writing reports

Technical skills and competences handling automatic and classical weather stations with standard sensors (e.g. for radiation, temperature, humidity, precipitation, wind direction and speed, atmospheric pressure).

Computer skills and competences Linux environment, advanced skills in Climate Data Operator (CDO), Panoply, basic programming skills in R
Windows environment (MS Office), Geographical Information System (ArcGIS), SPSS Statistics for Windows

Scientific projects

- 2017-2018 A service providing climate change indicators tailored for the energy sector CLIM4ENERGY, Copernicus Climate Change Service (C3S) project, Project coordinator: Robert Vautard LSCE/CEA
- 2015-2016 Changes in surface solar radiation in observations and in CMIP5/EURO-CORDEX models in Europa; institutional project, Universitatea Babes-Bolyai, project code GTC-31779/2016, director of the project
- 2015-2016 New gridded database of clear-sky solar radiation derived from ground-based observations over Europe, institutional project, Universitatea Babes-Bolyai, project code GSCE-32593/2016, director of the project
- 2015-2017: Extreme weather events related to air temperature and precipitation in Romania, project code PN-II-RU-TE-2014-4-0736, Project coordinator: Adina-Eliza Croitoru, period 01.10.2015 – 30.09.2017
- 2009 - 2012 Evaluation of natural resources and possibilities for their capitalization in the Corund–Praid area. Global Environment Facility, Small Grants Programme – Societatea de Geografie Cholnoky. Director: Pál Zoltan
- Sustainable development in Korond and Parajd regions (Jud. Harghita, RO), GEF Romania, 2009-2011

- 2009-2011 Expanding Horizons In European Geography Teaching (ExHEGeT) Natural and Anthropogenic hazards, Lifelong Learning Program, Coordinator UBB Pál Zoltán
- 2005-2007 Solar and wind energy potential of Hajdu-Bihar (HU) és Bihor (RO) counties, bilateral collaboration between University of Oradea and University of Debrecen, OMFB-00703/200, RO-46/05), 2005-2007.

Workshops and short courses

- PATC Course: Earth Sciences Simulation Environments, Barcelona Supercomputing Center, 30/Nov/2016 - 02/Dec/2016, Barcelona, Spain
- ISI-MIP cross-sectoral workshop, International Institute for Applied Systems Analysis, 2-5 March, 2015, Laxenburg, Austria
- Covering the fundamentals of the retrieval algorithms used to derive the Essential Climate Variables provided by CM SAF, CM SAF Event Week by EUMETSAT, 2012
- COST Action 734 training course on Climate Change and Impact to Agriculture, 5 – 9 July 2010, Keszthely, Hungary
- Summer School On Environmental Dynamics - Climate Forcings and Global Patterns, 13-20 June 2008, Venice, Italy
- Seminar of World Meteorological Day, 27 March, 2008, Debrecen, Hungary
- European Research Course on Atmosphere (ERCA), 07 January – 10 February, 2007, Grenoble, France
- 5th International Seminar for Homogenization and Quality Control in Climatological Databases, 29.05. – 02.06., 2006, Budapest, Hungary
- iLEAPS Summer School on Formation and Growth of Atmospheric Aerosols, University of Helsinki, 1-10 August, 2005, Hyytiälä Foresty Field Station, Finland
- COST Action training course on Agrometeorological Simulation, University of Thessaly, 4-9 July, 2005, Volos, Greece
- Workshop of Increasing Solar Energy Value with Satellites, Outcome of the European Heliosat 3 Project, 23 February 2005, Freiburg, Germany
- Workshop of Risk analysis and other applications of statistics, 13.-14. April, 2004, Budapest, Hungary
- Summer School on Meteorological Forecast, Department of Meteorology, Eötvös Loránd University, 9-12, Sept., 2002, Blatonalmádi, Hungary

Prizes and awards

- Arany János Award for Young Researchers, Hungarian Academy of Sciences, Budapest, 2016
- Excellence Researcher Award, Babes-Bolyai University, Cluj-Napoca, 2016
- Comenius Award for teaching, Babes-Bolyai University, Cluj-Napoca, 2009
- Gold Medal of Science „*Pro Scientia*”, Hungarian Academy of Sciences, Budapest, 2005

International grants and invited talks

- invited talk at Hungarian Academy of Science, Budapest, 44th Meteorological Day, Hungary, November 2018
- invited talk at Hungarian Academy of Science, Budapest, 41st Meteorological Day, Hungary, November 2015
- invited teaching, LLP Erasmus Staff Exchange Programme, Department of Meteorology, University of Debrecen, Debrecen, Hungary, May 2014
- Domus senior grant, Hungarian Academy of Sciences, Budapest, 2014
- “Nicolae Titulescu” Grant, Department of Meteorology, University of Debrecen, Debrecen, Hungary, May-July, 2006
- Seminar of World Meteorological Day, 27 March, 2008, Debrecen, Hungary

Membership in professional societies

- member of Renewable Energy Commission, Romanian Academy of Sciences
- member of Hungarian Academy of Sciences
- member of Hungarian Meteorological Society, Budapest, Hungary
- member of Cholnoky Jenő Geographical Association, Cluj-Napoca, Romania
- member of Air and Water Association, Cluj-Napoca, Romania