

Ana Cirisan

Research associate and lecturer - docent

Faculty of Ecology and Environmental Protection
Union – Nikola Tesla University
Cara Dušana 62–64
Belgrade, Serbia

e-mail: acirisan@unionnikolatesla.edu.rs
tel: +381 63 1418 475



EDUCATION

- 2012 PhD in Atmospheric Science and Climatology
 ETH Zurich – Institute for Atmospheric and Climate Science
 Zurich, Switzerland
- 2009 MSc in Meteorology and Environmental Modelling
 Association of Centers for Interdisciplinary and Multidisciplinary Studies and
 Developmental Research – ACIMSI, University of Novi Sad
 Novi Sad, Serbia
- 2005 BSc in Meteorology and Environmental Modelling
 Department of Physics, Faculty of Sciences, University of Novi Sad
 Novi Sad, Serbia

EMPLOYMENT HISTORY

- | | | |
|--------------|---|---|
| 2022–present | Research Associate
and lecturer - docent | Union – Nikola Tesla University
Faculty of Ecology and Environmental Protection
Belgrade, Serbia |
| 2014–2018 | Postdoctoral
research fellow | Department of Earth Sciences and Atmosphere
University of Quebec at Montreal
Montreal, QC, Canada |
| 2012–2013 | Postdoctoral
research fellow | ETH Zurich
Institute for Atmospheric and Climate Science
Zurich, Switzerland |
| 2009–2012 | PhD student | ETH Zurich
Institute for Atmospheric and Climate Science
Zurich, Switzerland |

2005–2009 **Postgraduate
research fellow** ACIMSI
University of Novi Sad
Novi Sad, Serbia

PROFESSIONAL EXPERIENCE

2020 QA Engineer Internship

2010-2011 Teaching assistant, ETH Zurich, Zurich, Switzerland

2007-2008 Meteorologist and teaching assistant, University of Novi Sad, Novi Sad, Serbia

RESEARCH PROJECTS

2023 LoCoSol+ (Low-cost monitoring of solar thermal systems with IoT sensor and a machine learning outlook). Fachhochschule Nordwestschweiz, Muttenz, Switzerland and Energie Zukunft Schweiz, Basel, Switzerland

2014–2018 NETCARE (Network on Climate and Aerosols: Addressing Key Uncertainties in Remote Canadian Environments), Canada

2009-2012 LAMMOC (Microphysical and radiative changes in cirrus clouds by geoengineering the stratosphere) within COST Action ES0604 WaVaCS

SELECTED PUBLICATIONS

Mrazovac Kurilić, S., Presburger Ulniković, V. and Ćirišan, A. (2023). Contamination and health risk assessment of heavy metals in PM10 in central Serbia. *Global Sustainability Challenges*, 1(1).

Ćirišan, A., Podrašćanin, Z., Nikolić Bujanović, Lj., Mrazovac Kurilić, S. and Ilić, P. (2023). Trend Analysis Application on Near Surface SO₂ Concentration Data from 2010 to 2020 in Serbia, *Water Air Soil Pollut* 234, 186. <https://doi.org/10.1007/s11270-023-06111-3>

Mrazovac Kurilić, S., Nikolić Bujanović, Lj., Tomić, M., Ćirišan, A. and Podrašćanin, Z. (2022). Monitoring of air quality and meteorological parameters by IoT device at Cara Dušan street in Belgrade. In Mrazovac Kurilić, S. and Nikolić Bujanović, Lj. (Eds.), *The Second International Conference on Sustainable Environment and Technologies “Creating sustainable commUNiTy”* (pp. 183-193), University „Union-Nikola Tesla”, Belgrade, Serbia.

Mrazovac Kurilić, S., Ćirišan, A., Podrašćanin, Z. and Nikolić Bujanović, Lj. (2022). SO₂ pollution in Šabac (2009-2020). In S. Šerbula (Eds.), *29th International Conference Ecological Truth and Environmental Research – EcoTER’22* (pp. 39-42). University of

Belgrade, Technical Faculty in Bor, Serbia

Keita, S. A., Girard, E., Raut, J.-C., Leriche, M., Blanchet, J.-P., Pelon, J., Onishi, T., and Cirisan, A. (2020). A new parameterization of ice heterogeneous nucleation coupled to aerosol chemistry in WRF-Chem model version 3.5.1: evaluation through the ISDAC measurements, *Geosci. Model Dev.* <https://doi.org/10.5194/gmd-2020-50>

Cirisan, A., Girard, E., Blanchet, J.-P., Keita, S.A., Gong, W., Irish, V. and Bertram, A.K. (2020). CNT Parameterization Based on the Observed INP Concentration during Arctic Summer Campaigns in a Marine Environment. *Atmosphere*, 11, 916

Irish, V., Hanna, S., Willis, M., China, S., Thomas, J., Wentzell, J., Cirisan, A., Si, M., Leaitch, R., Murphy, J., Abbatt, J., Laskin, A., Girard, E., and Bertram, A. (2019). Ice nucleating particles in the marine boundary layer in the Canadian Arctic during summer 2014. *Atmos. Chem. Phys.*, 19, 1027- 1039

Abbatt, J. P. D. et al. (2019). Overview paper: New insights into aerosol and climate in the Arctic, *Atmos. Chem. Phys.*, 19, 2527–2560, <https://doi.org/10.5194/acp-19-2527-2019>

Cirisan, A., P. Luo, B., Engel, I., Wienhold, F. G., K. Krieger, U., Weers, U., Romanens, G., Levrat, G., Jeannet, P., Ruffieux, D., Philipona, R., Calpini, B., Spichtinger, P., and Peter, T. (2014). Balloon-borne match measurements of mid-latitude cirrus clouds, *Atmos. Chem. Phys.*, 14, 7341–7365, doi:10.5194/acp-14-7341-2014.

Cirisan A., Spichtinger, P., Luo, B.P., Weisenstein, D.K., Wernli, H., Lohmann, U., Peter, T. (2013). Microphysical and radiative changes in cirrus clouds by geoengineering the stratosphere. *J. Geophys. Res. Atmos.*, 118, 4533-4548, doi:10.1002/jgrd.50388.