

Luka Ilić

Atmospheric Scientist · PhD Meteorology

Conferences & Workshops

2026

[Ilić, L., Obiso, V., Gonçalves Ageitos, M., et al. — Sensitivity of Dust Absorption to Regionally and Size-Resolved Mineralogy in MONARCH](#)

WRF-Chem European Workshop, Rijeka, Croatia, 12–14 May 2026

[Ilić, L., Mijić, Z., Petković, S., et al. — Toward a Globally Transferable Numerical Pollen Forecasting System: Advancing DREAM-POLL for Multi-Region Pollen Prediction](#)

WRF-Chem European Workshop, Rijeka, Croatia, 12–14 May 2026

2025

[Ilić, L., Obiso, V., Gonçalves Ageitos, M., et al. — The role of soil mineralogy atlas and iron oxide mixing assumptions upon global and regional dust radiative effects in the MONARCH model](#)

AGU Fall Meeting 2025, New Orleans, LA, 15–19 December 2025, id. A41M-2201

[Ilić, L., Obiso, V., Gonçalves Ageitos, M., et al. — Dust Absorption Sensitivity to Mineralogy in the MONARCH Model](#)

24th AeroCom / 13th AeroSat Workshop, Institut Pascal, Université Paris-Saclay, 13–17 October 2025

[Obiso, V., Gonçalves Ageitos, M., Ilić, L., et al. — Improved Assessment of Shortwave Absorption by Dust Aerosols](#)

24th AeroCom / 13th AeroSat Workshop, Institut Pascal, Université Paris-Saclay, 13–17 October 2025

[Gilè, C., Emili, E., Escribano, J., Ilic, L., et al. — Evaluating the MONARCH Model with Lidar Data: A Step Toward Improving Global Dust Surface Concentrations](#)

EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025, EGU25-9052

2023

[Mijić, Z., Kuzmanoski, M., Ilić, L. — Data quality assurance and characterization of Belgrade Raman lidar station](#)

V Meeting on Astrophysical Spectroscopy, Palić, Serbia, 12–15 September 2023

[Costa-Surós, M., Gonçalves, M., ..., Ilić, L., et al. — New Aerosol-sensitive Heterogeneous Ice Nucleation Parameterization in the EC-Earth3 Earth System Model](#)

EGU General Assembly 2023, Vienna, Austria, 23–28 April 2023, EGU23-13040

[Ničković, S., Ilić, L., Petković, S., et al. — Novel Approach in Airborne Pollen Dispersion Modelling](#)
30th International Conference EcoTER'23, Serbia, 20–23 June 2023

Mijić, Z., Ničković, S., Ilić, L., et al. — Recent Progress and New Approach in Numerical Modelling of Airborne Sub-pollen Particles
II International Conference ICPAE2023, Zrenjanin, Serbia, 24–26 August 2023

[Klose, M. & Pérez García-Pando, C. and the J-WADI Team \(incl. Ilić, L.\) — The Jordan Wind erosion And Dust Investigation \(J-WADI\)](#)
EGU General Assembly 2023, Vienna, Austria, 24–28 April 2023, EGU23-8286

2022

[Ilić, L., Gonçalves, M., Obiso, V., et al. — The role of soil mineralogy atlas and iron oxide mixing assumptions upon global and regional dust radiative effects in the MONARCH model](#)
AGU Fall Meeting 2022, Chicago, IL, 12–16 December 2022, id. A550-1321

Barreto, A., Cuevas, E., García, R. D., ..., Ilić, L., et al. — Long-term characterization of the Saharan Air Layer (SAL) in a North Atlantic subtropical site
International Radiation Symposium 2022, Thessaloniki, Greece, 4–8 July 2022

Mijić, Z., Kuzmanoski, M., Ilić, L. — Remote Sensing of Tropospheric Aerosols: Experience from Belgrade Raman Lidar Station
International Conference ICPAE2022, Zrenjanin, 31 March–2 April 2022

Ničković, S., Ilić, L., Petković, S., et al. — Physically Based Numerical Model for Pollen Forecast
International Conference ICPAE2022, Zrenjanin, 31 March–2 April 2022

[Kuzmanoski, M., Ilić, L., Ničković, S. — Mineral Dust Single Scattering Albedo and Radiative Effects Based on DREAM Model](#)
11th International Conference of the Balkan Physical Union, Belgrade, 28 August–1 September 2022

Mijić, Z., Kuzmanoski, M., Ilić, L., et al. — Review of atmospheric aerosol optical properties profiling and lidar station activities in Serbia
IV Meeting on Astrophysical Spectroscopy, Fruška Gora, Serbia, 30 May–2 June 2022

Kuzmanoski, M., Ilić, L., Ničković, S. — Spatial variability of mineral dust single scattering albedo based on DREAM model

2021

[Ilić, L., Marinou, E., Jovanović, A., Kuzmanoski, M., Ničković, S. — Ice nucleating particle concentrations in DREAM — going one step further](#)

EGU General Assembly 2021, EGU2021-7754

Mijić, Z., Kuzmanoski, M., Ilić, L. — A study on tropospheric aerosols change during the COVID-19 lock-down period: experience from EARLINET

8th WeBIOPATR Workshop and Conference, Belgrade, 29 November–1 December 2021

Ničković, S., Ilić, L., Petković, S., et al. — A Numerical Model for Pollen Prediction: Thunderstorm Asthma Case Study

8th WeBIOPATR Workshop and Conference, Belgrade, 29 November–1 December 2021

2020

[Ilić, L., Cvetković, B., Pejanović, G., et al. — Mineralogy sensitive ice nucleation parameterizations in DREAM](#)

EGU General Assembly 2020, EGU2020-15857

2019

Ilić, L., Jovanović, A., Kuzmanoski, M., Ničković, S. — Modeling of immersion freezing initiation of mineral dust in DREAM

7th WeBIOPATR Workshop and Conference, Belgrade, 1–3 October 2019

Mijić, Z., Jovanović, A., Kuzmanoski, M., Ilić, L. — A climatology of satellite derived aerosol optical depth over Belgrade region

7th WeBIOPATR Workshop and Conference, Belgrade, 1–3 October 2019

Jovanović, A., Ilić, L., Kuzmanoski, M., Mijić, Z. — Case study of the vertical distribution of Saharan dust over Belgrade

7th WeBIOPATR Workshop and Conference, Belgrade, 1–3 October 2019

2018

[Ilić, L., Cvetković, B., Pejanović, G., et al. — Modeling of mineral composition effects on ice nucleation due to dust in DREAM](#)

EGU General Assembly 2018, EGU2018-16921

[Cvetković, B., Ilić, L., et al. — Modeling heterogeneous ice nucleation due to mineral dust using DREAM-NMME](#)

EGU General Assembly 2018, EGU2018-10050

[Ničković, S., Cvetković, B., Pejanović, G., Ilić, L., et al. — Predicting atmospheric dust process from Icelandic soil sources](#)

EGU General Assembly 2018, EGU2018-10338

[Ilić, L. — VI-SEEM DREAMCLIMATE Service](#)

E-Infrastructures for Excellent Science in Southeast Europe and Eastern Mediterranean, Sofia, Bulgaria, 15–16 May 2018

Vassilis, A., Marinou, E., ..., Ilić, L., et al. — The Pre-TECT campaign: Revealing the secrets of desert dust

European Lidar Conference (ELC) 2018

2017

Kuzmanoski, M., Ilić, L., Mijić, Z. — Aerosol remote sensing study of a Saharan dust intrusion episode in Belgrade, Serbia

XIX International Eco-Conference, Belgrade, 25–27 September 2017

Kuzmanoski, M., Ilić, L., Todorović, M., Mijić, Z. — A study of a dust intrusion event over Belgrade, Serbia

6th WeBIOPATR Workshop and Conference, Belgrade, 6–8 September 2017

Ilić, L., Cvetković, B., Ničković, S. — Assessment of health effects of exposure to atmospheric mineral dust using the NMME-DREAM model

Earth's Climate Changes and Impacts Conference, Belgrade, 11–13 October 2017

Mijić, Z., Ilić, L., Kuzmanoski, M. — Vertical Raman LIDAR profiling of atmospheric aerosol optical properties over Belgrade

PHOTONICA 2017, Belgrade, 28 August–1 September 2017

Mijić, Z., Perišić, M., Stojić, A., Kuzmanoski, M., Ilić, L. — Estimation of atmospheric aerosol transport by ground-based remote sensing and modeling

XIX International Eco-Conference, Belgrade, 25–27 September 2017

Mijić, Z., Perišić, M., Ilić, L., et al. — Air mass transport over Balkan region identified by atmospheric modeling and aerosol lidar technique

49th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 18–21 October 2017

Mijić, Z., Ilić, L., Kuzmanoski, M. — Raman lidar for atmospheric aerosol profiling in Serbia

49th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 18–21 October 2017

2016

[Kuzmanoski, M., Ničković, S., Ilić, L. — Spatial distribution of mineral dust single scattering albedo based on DREAM model](#)

EGU General Assembly 2016, EGU2016-4425

2015

Ilić, L., Kuzmanoski, M., Mijić, Z. — Planetary Boundary Layer and Elevated Aerosol Layer Height Retrieval from Lidar Signal in Belgrade

5th WeBIOPATR Workshop and Conference, Belgrade, 14–16 October 2015

2012

Ilić, L. — Numerical Weather Prediction Eta Model

Maxeler Workshop, University of Kragujevac, Serbia, 20 October 2012