

Primaria Lugoj (Gradinita Nr.5)

WEEKLY AIR-QUALITY REPORT

Timp de la: **10/05/2026, 00:00**
Timp până la: **17/05/2026, 00:00**

Numele dispozitivului: **Primaria Lugoj (Gradinita Nr.5)**
Locația dispozitivului: **Str. Ceahlăului 19, Lugoj 305500, Romania**

Parametrii: **CAQI , PM₁₀ , PM_{2.5} , NO₂ , O₃ , CO , Temperature , Wind Speed , Wind Direction , SO₂ , R. Humidity , PM₁ , PM₁₀₀ , Pressure**

Primaria Lugoj (Gradinita Nr.5)
Str. Ceahlăului 19, Lugoj 305500,
Romania



Media indicelui de calitate al aerului (ICA): **18**

Prezentare generală zilnică: Parametrii indicelui de calitate al aerului (ICA)

	CAQI AQI	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	NO ₂ μg/m ³	O ₃ μg/m ³
Average	18	17.97	6.15	6.8	27.93
Maximum	23	22.63	7.59	8.9	33.74
Date	11/05/2026	11/05/2026	11/05/2026	16/05/2026	15/05/2026
Minimum	14	12.66	3.49	4.16	23.28
Date	15/05/2026	15/05/2026	15/05/2026	13/05/2026	12/05/2026

The data shown above is based on Media zilnică .

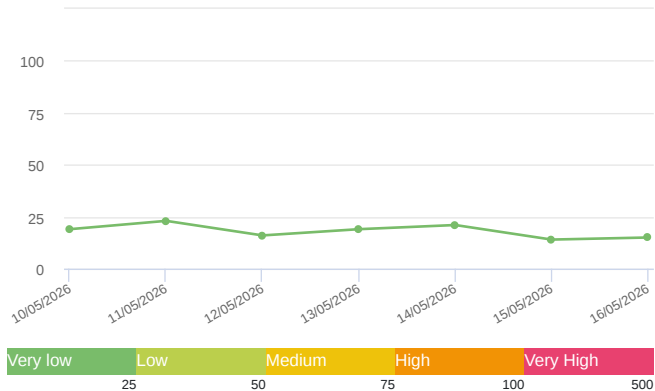
Prezentare generală zilnică: Alți parametri

	CO ppb	Temperature °C	Wind Speed m/s	Wind Direction degree	Battery %	SO ₂ ppb	R. Humidity %	PM ₁ μg/m ³	PM ₁₀₀ μg/m ³	Pressure HPa
Average	291.89	17.77	0.82	204.46	100	2.54	63.2	4.14	26.33	993.69
Maximum	304.35	20.69	3.07	287.52	100	2.63	71.36	5.32	31.46	1001.56
Date	11/05/2026	11/05/2026	13/05/2026	13/05/2026	10/05/2026	14/05/2026	12/05/2026	10/05/2026	11/05/2026	10/05/2026
Minimum	282.29	12.36	0.31	126.34	100	2.48	52.59	1.93	21.2	988.16
Date	15/05/2026	13/05/2026	14/05/2026	14/05/2026	10/05/2026	12/05/2026	15/05/2026	15/05/2026	15/05/2026	16/05/2026

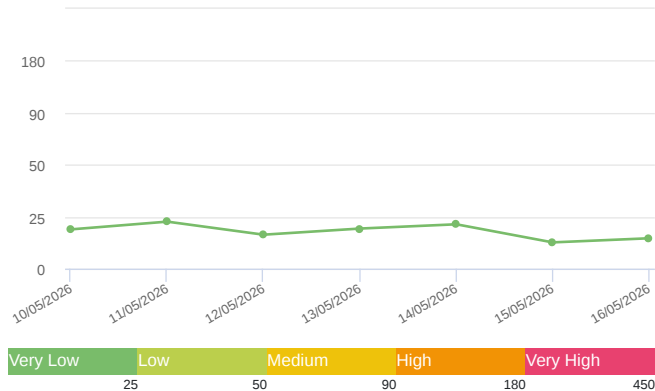
The data shown above is based on Media zilnică .

Media zilnică

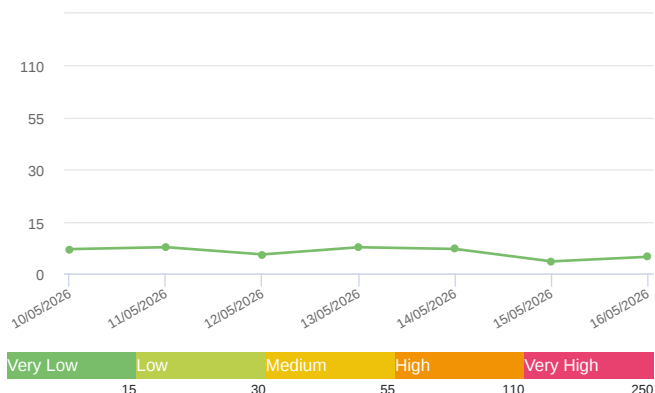
CAQI (AQI)



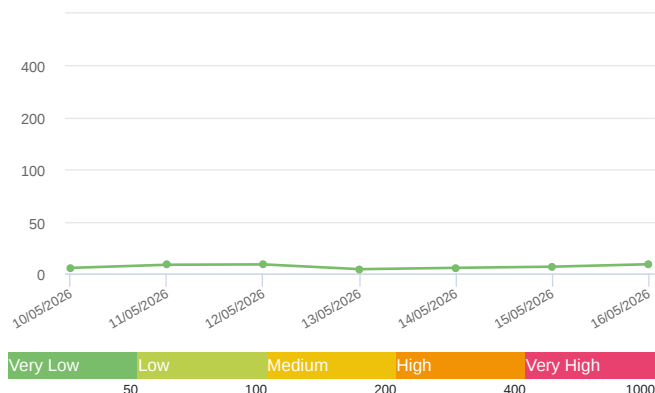
PM₁₀ (μg/m³)



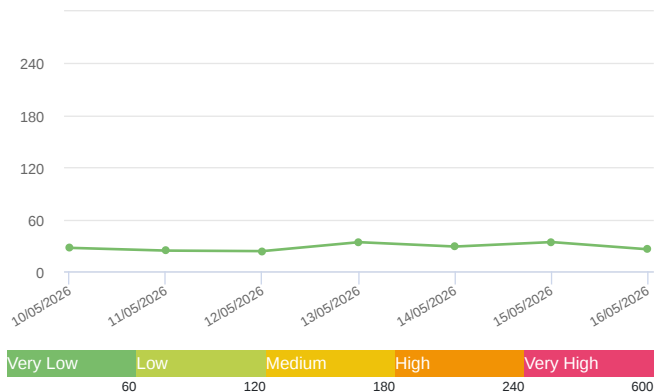
PM_{2.5} (μg/m³)



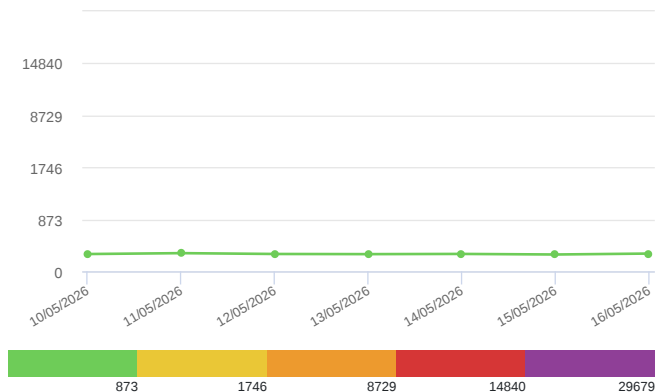
NO₂ (μg/m³)



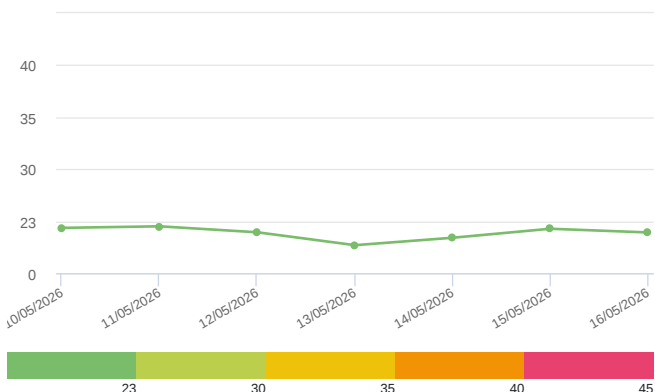
O₃ (μg/m³)



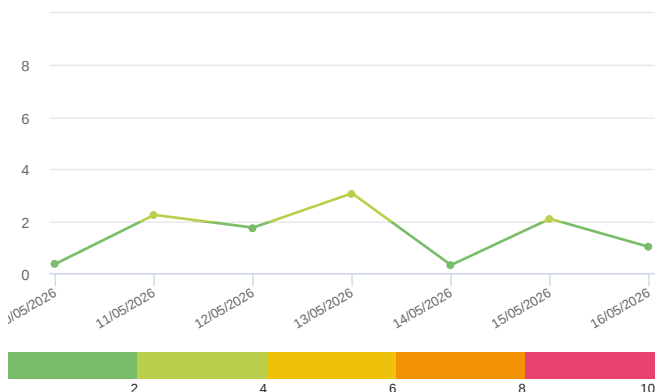
CO (ppb)



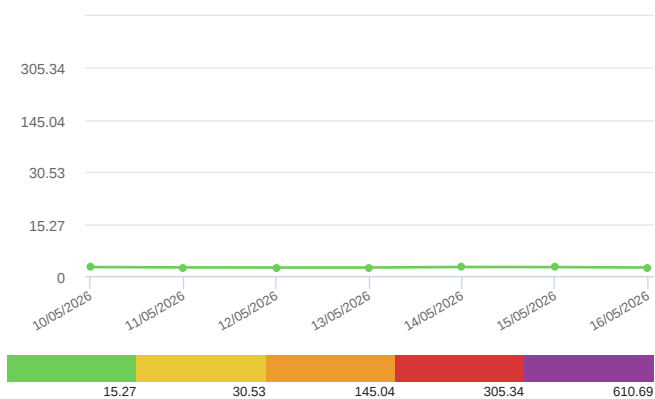
Temperature (°C)



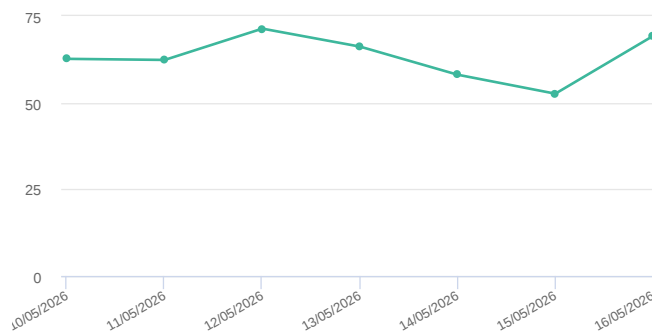
Wind Speed (m/s)



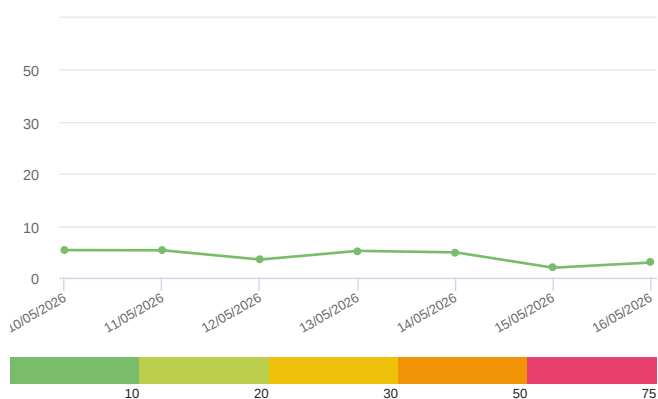
SO₂ (ppb)



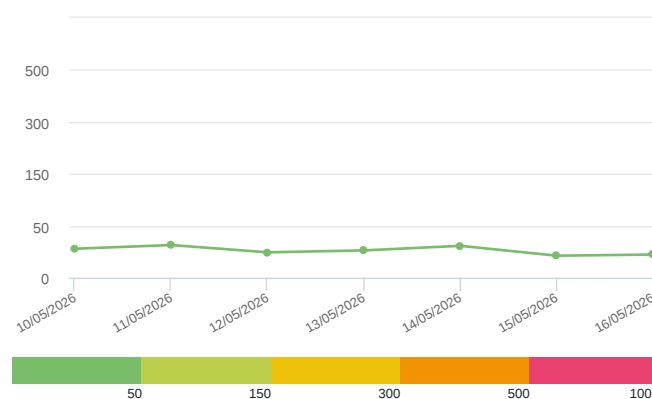
R. Humidity (%)



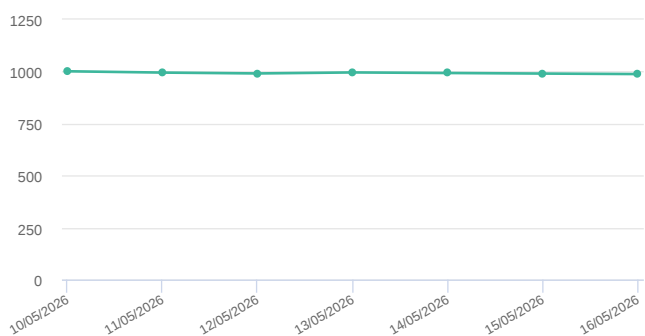
PM₁ (μg/m³)



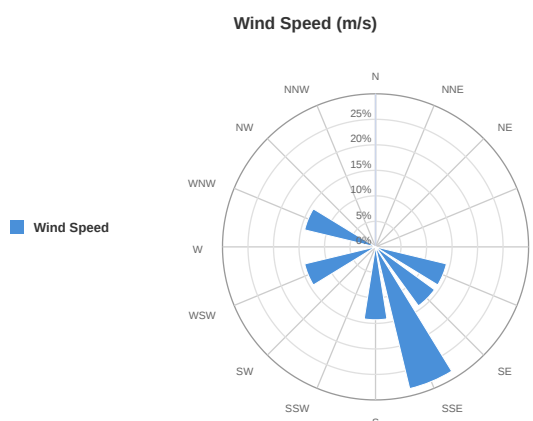
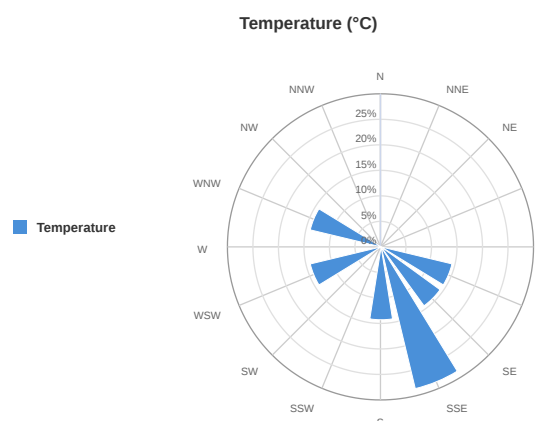
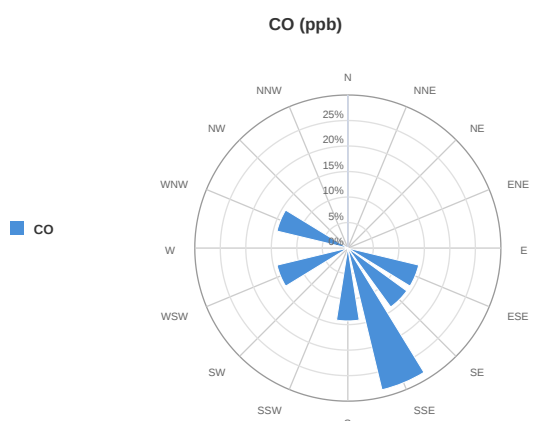
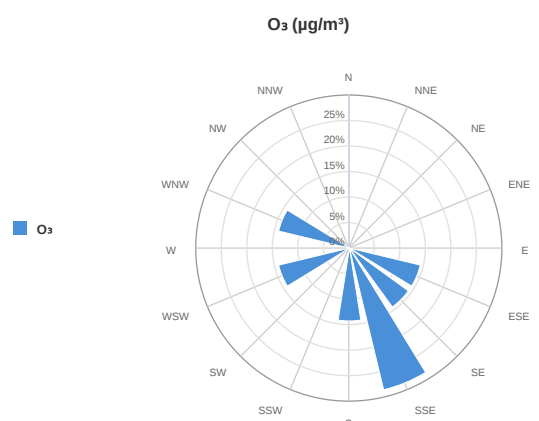
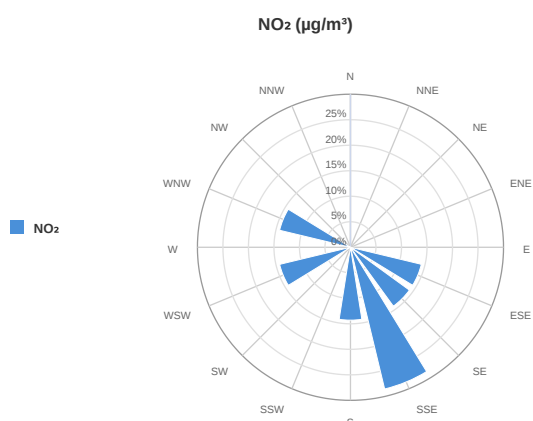
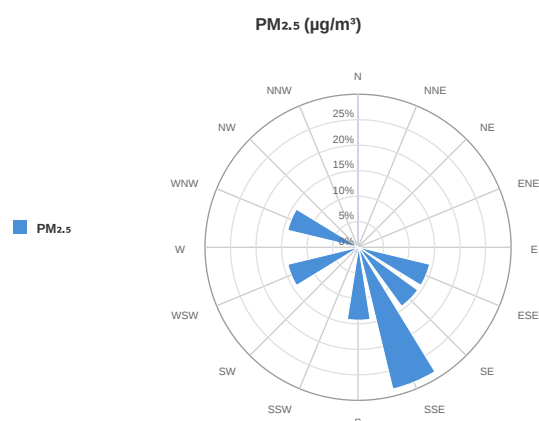
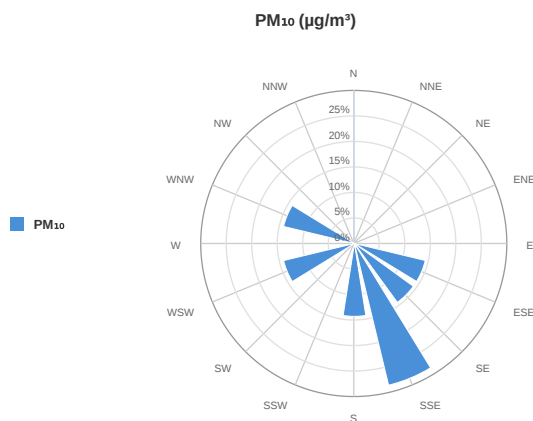
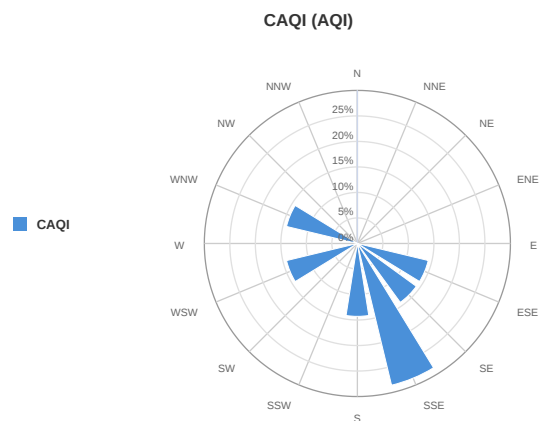
PM₁₀₀ (μg/m³)



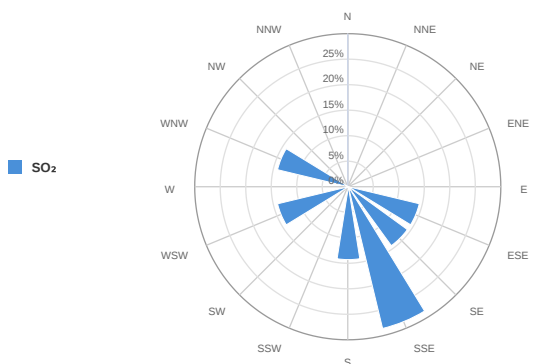
Pressure (hPa)



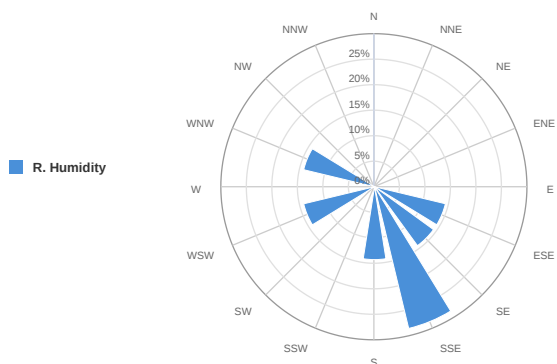
Media zilnică



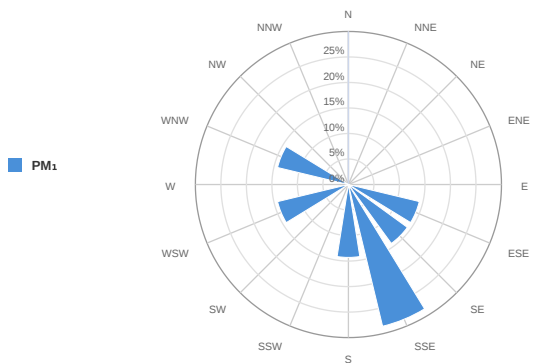
SO₂ (ppb)



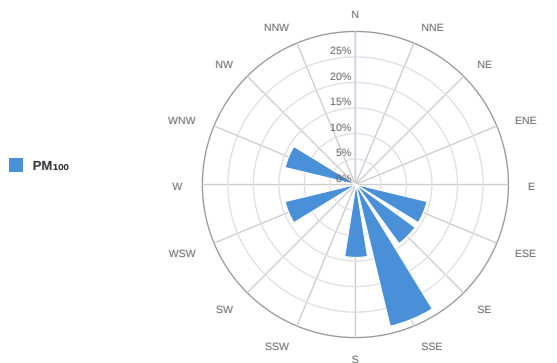
R. Humidity (%)



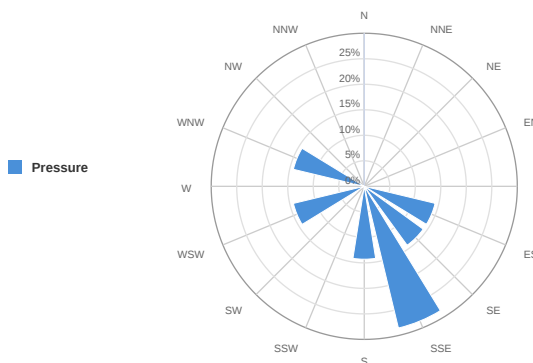
PM₁ (μg/m³)



PM₁₀₀ (μg/m³)



Pressure (HPa)



Alerte

No alerts for the selected date and time range

Insights

- 16/05/2026, 23:59 **Predominantly Very Low Air Quality Days Observed:** The CAQI values predominantly fall within the 'Very Low' range (0-25) according to our provided threshold, indicating generally good air quality across the majority of the observed dates. The highest CAQI observed is 28.
- 16/05/2026, 23:59 **Nitrogen Dioxide (NO₂) levels within 'Very Low' to 'Low' Zones:** NO₂ concentrations consistently remain within the 'Very Low' to 'Low' range (0 - 53.14 μg/m³) across the observed period, suggesting minimal NO₂ pollution relative to the provided thresholds.
- 16/05/2026, 23:59 **Ozone (O₃) concentrations at 'Low' to 'Medium' levels:** O₃ levels fluctuated from 'Low' to 'Medium' zones (30.57 - 91.68 μg/m³). The peak O₃ level of 66.24 μg/m³ was observed on May 15, 2026, placing it in the 'Medium' zone.
- 16/05/2026, 23:59 **Particulate Matter (PM_{2.5}) in 'Very Low' to 'Low' zones:** PM_{2.5} concentrations mostly reside within the 'Very Low' to 'Low' categories (0 - 30 μg/m³). The highest recorded PM_{2.5} was 7.59 μg/m³.
- 16/05/2026, 23:59 **PM₁₀ levels generally in 'Very Low' to 'Low' range:** PM₁₀ concentrations generally fall within the 'Very Low' to 'Low' range (0-50 μg/m³). The highest value was 22.63 μg/m³.
- 16/05/2026, 23:59 **Wind Direction Variability Observed:** The wind direction varies significantly across the week, ranging from approximately 109 to 288 degrees. This shift may influence the dispersion of air pollutants.
- 16/05/2026, 23:59 **Wind Speed Fluctuations and Air Quality:** Wind speed varies from 0.31 m/s to 3.07 m/s. Higher wind speeds may contribute to better air quality by dispersing pollutants, but the CAQI remains consistently low.
- 16/05/2026, 23:59 **CO Levels Relatively Stable:** Carbon Monoxide levels remain relatively stable, ranging from approximately 282 ppb to 304 ppb. Further analysis with extended historical data would establish a baseline.
- 16/05/2026, 23:59 **Temperature Variation and Air Quality Correlation:** Temperature fluctuates between 12.36°C and 20.69°C. There's no immediately obvious correlation between temperature fluctuations and CAQI values in this limited data.
- 16/05/2026, 23:59 **R. Humidity Does Not Drastically Affect CAQI:** Relative humidity varies from 52.59% to 71.36%. Given consistent CAQI values, these fluctuations do not drastically impact air quality within this data set.

Parametrii indicelui de calitate al aerului (ICA)

Media zilnică

To Date	CAQI AQI	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	NO ₂ μg/m ³	O ₃ μg/m ³
10/05/2026, 23:59	19	18.91	7.04	5.4	27.07
11/05/2026, 23:59	23	22.63	7.59	8.38	23.88
12/05/2026, 23:59	16	16.34	5.5	8.75	23.28
13/05/2026, 23:59	19	19.3	7.57	4.16	33.58
14/05/2026, 23:59	21	21.34	7.08	5.45	28.57
15/05/2026, 23:59	14	12.66	3.49	6.55	33.74
16/05/2026, 23:59	15	14.62	4.81	8.9	25.39

Alți parametri

Media zilnică

To Date	CO ppb	Temperature °C	Wind Speed m/s	Wind Direction degree	Battery %	SO ₂ ppb	R. Humidity %	PM ₁ μg/m ³	PM ₁₀₀ μg/m ³	Pressure HPa
10/05/2026, 23:59	289.5	20.01	0.35	109.11	100	2.61	62.64	5.32	27.91	1001.56
11/05/2026, 23:59	304.35	20.69	2.24	163.25	100	2.5	62.33	5.28	31.46	995.25
12/05/2026, 23:59	290.39	18.05	1.75	242.86	100	2.48	71.36	3.5	24.46	991.11
13/05/2026, 23:59	287.69	12.36	3.07	287.52	100	2.48	66.17	5.17	26.28	995.97
14/05/2026, 23:59	291.67	15.63	0.31	126.34	100	2.63	58.06	4.88	30.69	993.24
15/05/2026, 23:59	282.29	19.63	2.09	170.3	100	2.59	52.59	1.93	21.2	990.55
16/05/2026, 23:59	297.37	17.99	1.01	149.48	100	2.48	69.23	2.93	22.29	988.16

Oizom will not be responsible for Environmental Data accuracy once Validated