



Leila Rashidian

Climate Data Analyst | Marine Climatology Specialist

⌚ Tehran, Iran (Remote)

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🌐 GitHub Portfolio: https://mmlera2015-ops.github.io/Climate_Change_analysis

Professional Summary

Climate Data Analyst and Marine Climatology expert with over 10 years of experience in climate change analysis, CMIP/RCP scenarios, GIS-based spatial analysis, and time-series modeling using Python. Experienced in marine forecasting, climate zoning, trend analysis, and interdisciplinary research projects. Open to remote research and consultancy collaborations.

Professional Experience

Meteorological Organization of Iran (IRIMO) – Tehran, Iran

Climate Data Analyst & Project Manager

- Collaborated with the Center for Atmospheric and Oceanic Sciences on marine forecasting projects from the Indian Ocean to the Antarctic.
- Extracted and analyzed climate parameters (temperature, precipitation, wind speed/direction) using Python and GIS.
- Developed long-term climate zoning maps and time-series analyses.

Conducted weekly marine route forecasts (wave height, max/min waves) using MIKE21.

- Led climate change studies using RCP scenarios and physical climate models, including Arctic climate trend analysis.
- Managed climate change impact projects on Caspian Sea water level reduction and sea surface temperature (SST) trends.

- Supervised climate data simulation projects using LARS-WG, R, Python, and GIS (2010–2030).
- Prepared monthly climate reports for Caspian Sea, Persian Gulf, and Oman Sea regions, including GIS maps, wind roses, and SST analysis.
- Collaborated with Iran Meteorological Research Institute on El Niño–La Niña impacts, SPI analysis, and long-term precipitation and temperature trends.

Education

M.Sc. in Climatology & Environmental Planning

Islamic Azad University, Science & Research Branch, Tehran

2009 – 2012

Focus: Climate Change

Thesis: Long-term Numerical Forecasting of Climate Change and Its Effects on Agricultural Products in Fars Province (up to 2050)

B.Sc. in Climatology

Islamic Azad University of Shahre Rey, Iran

1998 – 2002

Technical Skills

Programming & Analysis: Python, R, MATLAB, SPSS

GIS & Spatial Analysis: ArcGIS

Climate & Ocean Models: RegCM4, WRF, SWAN, MIKE21, GRADS

Data: CMIP, RCP scenarios, climate time series, SST analysis

Tools: MS Office 365

Languages

Persian: Native

English: Intermediate (B1)

German: Upper-Intermediate (B2)

Publications

Long-term Forecasting of Climate Change and Its Effects on Fars Province –
LAMBERT Academic Publishing

Climate Change Trend Analysis in the Arctic Based on RCP Scenarios –
LAMBERT Academic Publishing

Interests

Climate Data Science, Python, Machine Learning, GIS, Data Assimilation, Remote
Collaboration

Tehran, 22. Des 2025

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