

# CV





Name: **Mihai**  
Surname: **Dima**  
Email: [mihai.dima@unibuc.ro](mailto:mihai.dima@unibuc.ro)  
Web: <http://mihai.dmn.ro>



## Studies

1982-1986 – **ColegiuHigh School "Gheorghe Lazar"**, Bucharest  
1987-1992 - **Faculty of Physics**, University of Bucharest  
1992-1997 – **Faculty of Cybernetics**, Academy of Economic Studies  
1996-2000 - PhD, **Faculty of Physics**, University of Bucharest




## Research topics

-  **[Separating internal from solar and anthropogenic induced climate variability](#)**
-  **[Physical mechanisms of interannual to millennial climate variability](#)**
-  **[Reconstructing and understanding of past climate changes based on proxy data](#)**
-  **[Climate-economics interactions](#)**

**Scientific publications:**      **36**

**Citations:**                      **850**      (<http://www.researcherid.com/rid/G-1370-2010>)

## Research stages abroad ( 3months/year)

-  **[Max-Plank Institute for Meteorology](#)**, Hamburg, Germany (1997-2001 )
-  **[University of Bremen](#)**, Geosystem Modelling Dep., Bremen, Germany (2002-2004)
-  **[Alfred Wegener Institute for Polar and Marine Research](#)**, Bremerhaven, Germany (2006-2018)









## Awards

2004: [Humboldt Fellow](#) la Universitatea din Bremen si Institutul Alfred-Wegener Institut pentru Cercetari Polare si Marine, Bremerhaven, Germania, cu proiectul “Studiul variabilitatii climatice folosind date observationale, inregistrari proxy si Modele de Circulatie Generala”

## Reviewer for







-  [Journal of Climate](#)
-  [Climate Dynamics](#)
-  [Geophysical Research Letters](#)
-  [Journal of Geophysical Research](#)
-  [International Journal of Climatology](#)
-  [Climate of the Past](#)
-  [Nonlinear Processes in Geophysics](#)
-  [Geology](#)
-  [International Panel for Climate Change](#)
-  [National Science Foundation \(USA\)](#)
-  [Humboldt Foundation \(Germany\)](#)

## Courses at Faculty of Physics, University of Bucharest

-  Mechanics
-  Thermodynamics
-  Physics of the Climate System
-  Anthropogenic Influence on Climate
-  Introduction in Environmental Physics
-  Atmospheric Physics
-  Techniques for Atmospheric Investigations
-  Statistical Methods for Climate Data Analyzes

**Book/Chapters in books:            11**

## Scientific research management and policy

-  **Director of Interdisciplinary School of Doctoral Studies, University of Bucharest** (2018)
-  **Secretary of State for Research and Innovation** (2016)  
**President** of National Authority for Scientific Research and Innovation
-  **President of National Council for Scientific Research** (2013)
-  **Member of National Council for Scientific Research** (2011-2012)  
**President of Earth Sciences Commission**
-  **Member of National Council for Attestation of University Titles and Diploma** (2011-2012)  
Panel: **Mathematics and Natural Sciences**  
Commission: **Earth Sciences**
-  **Representative of National Council for Scientific Research at European Science Foundation,**  
(2012)  
Commission: **Life, Earth and Environmental Sciences**

## Selected scientific publications

(citations available on [ResearcherID](#))

1. **North Atlantic versus Global Control on Dansgaard-Oeschger Events**, Dima, M., Lohmann, G., Knorr, G., [Geophysical Research Letters](#), 2018 (in press).
2. **Atlantic Multidecadal Oscillation footprint on global high cloud cover**, Vaideanu, P., Dima, M., Voiculescu, M., [Theoretical and Applied Climatology](#), 134, 1245-1256, 2018.
3. **Large-scale modes impact on Iraq climate variability**, Al-Khalidi, J., Dima, M., Stefan, S., [Theoretical and Applied Climatology](#), DOI 10.1007/s00704-017-2180-z, 2017.
4. **North Atlantic and Indian Ocean links with Iraq Climate**, Al-Khalidi, J., Dima, M., Vaideanu, P., [Atmosphere](#), 8(2), 235, 2017.
5. **Global patterns of solar influence on high cloud cover**, Dima, M., Voiculescu, M., [Climate Dynamics](#), 47, 667-678, 2016.
6. **Intensification and poleward shift of subtropical western boundary currents in a warming climate**, Hu, Y., Lohmann, G., Hu, Y., Wei, W., Dima, M., Ionita, M., Liu, J. [Journal of Geophysical Research](#), 121(7), 4928-4945, 2016.
7. **Linkages between atmospheric blocking, sea ice export through Fram Strait and the Atlantic Meridional Overturning Circulation**, Ionita, M., Scholz, P., Lohmann, G., Dima, M., Prange, M., [Scientific Reports](#), 6, 32881, 2016.
8. **Possible North Atlantic origin for changes in ENSO properties during the 1970s**, Dima, M., Lohmann, G., Rimbu, N., [Climate Dynamics](#), 44, 925-935, 2015.
9. **Predicting the June 2013 European Flooding Based on Precipitation, Soil Moisture, and Sea Level Pressure**, Ionita, M., Dima, M., Lohmann, G., Scholz, P., Rimbu, N., [Journal of Hydrometeorology](#), 16, 598-614, 2015.
10. **Pteropod time series from the North Western Mediterranean (1967-2003): impacts of pH and climate variability**, Howes, E. L., Stemann, L., Assailly, C., Irrison, J. O., Dima, M., Bijma, J., Gattuso, J. P., [Marine Ecology-Progress Series](#), 531, 193-206, 2015.
11. **Distinct modes of internal variability in the Global Meridional Overturning Circulation associated with the Southern Hemisphere westerly winds**, Wei, W., Lohmann, G., Dima, M., [Journal of Physical Oceanography](#), 42(5), 785-801, 2012.
12. **Interannual to decadal summer drought variability over Europe and its relationship to global sea surface temperature**, Ionita, M., Lohmann, G., Rimbu, N., Chelcea, S., Dima, M., [Climate Dynamics](#), doi: 10.1007/s00382-011-1028-y 2011.

13. **Hysteresis behavior of the Atlantic ocean circulation identified in observational data**, Dima, M., Lohmann, G., **Journal of Climate**, 24(2), 397-403, 2011.
14. **Evidence for Two Distinct Modes of Large-Scale Ocean Circulation Changes over the Last Century**, Dima, M., Lohmann, G., **Journal of Climate**, 23, 5-16, 2010.
15. **Subtropical coral reveals abrupt early 20th century freshening in the western North Pacific Ocean**, Felis, T., Suzuki, A., Kuhnert, H., Dima, M., Lohmann, G. and H. Kawahata, **Geology**, 37(6), 527-530, 2009.
16. **Conceptual model for millennial climate variability: a possible combined solar-thermohaline circulation origin for the ~1500-year cycle**, Dima, M., and G. Lohmann, **Climate Dynamics**, 32(2-3), 301-311, 2008.
17. **Rapid 20th Century increase in coastal upwelling off northwest Africa**, McGregor, H. V., Dima, M., Fischer, H. W., Mulitza, S., **Science**, 315, 637-639, 2007
18. **A mechanism for the Atlantic Multidecadal Oscillation**, Dima, M., Lohmann, G., **Journal of Climate**, 20(11), 2706-2719, 2007
19. **Distinct modes of interdecadal variability identified in a climate reconstruction of the last centuries from a South Pacific coral**, Dima, M., Felis, T., Lohmann, G., Rimbu, N., **Climate Dynamics**, DOI 10.1007/s00382-005-0043-2, 2005.
20. **Seasonal prediction of Danube flow variability based on stable teleconnection with sea surface temperature**, Rimbu, N., Dima, M., Lohmann, G., Musat, I., **Geophysical Research Letters**, 32, 21, L21704 10.1029/2005GL024241, 2005.
21. **Solar induced and internal climate variability at decadal timescales**, Dima, M., Lohmann, G., Dima, I., **International Journal of Climatology**, 25(6), 713-733, 2005.
22. **Fundamental and derived modes of climate variability. Concept and application to interannual variability**, Dima, M., Lohmann, G., **Tellus A**, 56A, 229-249, 2004.
23. **Impacts of the North Atlantic Oscillation and the El Nino-Southern Oscillation on Danube river flow variability**, . Rimbu, N., Dima, M., Lohmann, G., Stefan, S., **Geophysical Research Letters**, 31, doi:10.1029/2004GL020559, 2004.
24. **Climate signature of solar irradiance variations: Analysis of long-term instrumental and historical data**, . Lohmann, G., Rimbu, N.,. Dima, M., **International Journal of Climatology**, 24, 1045 - 1056. doi: 10.1002/joc.1054, 2004.

25. **Decadal variability of the Danube river streamflow in the lower basin and its relation with the North Atlantic Oscillation**, Rimbu, N., Boroneant, C., Buta, C., **Dima, M.**, **International Journal of Climatology**, 22, 1169-1179, 2002.
26. **Arctic Oscillation variability generated through inter-ocean interactions**, **Dima, M.**, Rimbu, N., Dima, I., **Geophysical Research Letters**, 29(14), 22:1-4, 2002.
27. **Quasi-Decadal Variability in the Atlantic Basin Involving Tropics-Midlatitudes and Ocean-Atmosphere Interactions**, **Dima, M.**, Rimbu, N., Stefan, S., Dima, I., **Journal of Climate**, 14(5), 823-832, 2001.
28. **Interdecadal variability generated by interactions between Pacific and Atlantic oceans**, **Dima, M.**, Stefan, S., Dima, V., Borsan, D., **Geophysical Research Letters**, 28(23), 4459-4462, 2001.
29. **The Role of Indian Ocean SST in Forcing East African Rainfall Anomalies during December-January 1997/98**, Latif, M., Dommenges, D., **Dima, M.**, Grötzner, A., **Journal of Climate**, 12(12), 3497-3504, 1999.

## Carti/Capitole in carti

1. **Causes and Consequences of the Late 1960s Great Salinity Anomaly**, Dima, M., Lohmann, G., in **Global Warming Challenges and Opportunities for Policy and Practice**, ISBN 978-953-307-733-8, edited by Elias G. Carayannis (2011).  
<http://www.intechopen.com/articles/show/title/causes-and-consequences-of-the-late-1960s-great-salinity-anomaly>
2. **Physics of Climate Changes**, Dima, M., Stefan, S., Ars Docendi Publishing House, Bucharest, 200 pp. (2008).
3. **Visual FoxPro 5.0 The Basics**, Dima, G., Dima, M., TEORA Publishing House, Bucharest, 182 pg., ISBN 973-601-859-8 (1999).
4. **Software Hand-book for Third High-School Year Students - Applied software**, Dima, G., Dima, M., TEORA Publishing House, Bucharest, 296 pg., ISBN 973-601-754-0 (1998).
5. **Software Hand-book for Fourth High-School Year Students - Computer Programming (software systems)**, Dima, G., Dima, M., TEORA Publishing House, Bucharest, 296 pg., ISBN 973-601-754-0 (1998).
6. **Computers Textbook, Computers programming**, Dima, G., Dima, M., TEORA Publishing House, Bucharest, 182 pg., ISBN 973-601-859-8 (1998).
7. **Editing Documents in Word 6 for Windows**, Dima, G., Dima, M., TEORA Publishing House, Bucharest, 296 pg., ISBN 973-601-754-0 (1996).
8. **FoxPro 2.5, 2.6 for DOS**, Dima, G., Dima, M., TEORA Publishing House, Bucharest, 539 pg., ISBN 973-276-X (1995).
9. **FoxPro 2.6 for Windows**, Dima, G., Dima, M., TEORA Publishing House, Bucharest, 510 pg., ISBN 973-601-193-3 (1995).
10. **FoxPro Through Menus and Windows**, Dima, G., Dima, M., TEORA Publishing House, Bucharest, 267 pg., ISBN 973-601-140-2 (1994).
11. **FoxPro (2.0. version)**, Dima, G., Dima, M., TEORA Publishing House, Bucharest, 456 pg. ISBN 973-601-117-8 (1993).

