

CURRICULUM VITAE

Last Name	PASQUERO
First Name	CLAUDIA
Title	Prof.
Address	Earth and Environmental Sciences Dept. University of Milan Bicocca, Building U4 Piazza della Scienza 4 20126 Milano - Italy
Telephone	0264482055
e-Mail	Claudia.pasquero@unimib.it
Web Page	https://sites.google.com/unimib.it/pasquero
Teaching Career	<p>Grad and undergrad teaching at University of Milan, Bicocca (2010-present)</p> <p>Grad and undergrad teaching at University of California, Irvine (2007-2009)</p> <p>Grad teaching at California Institute of Technology (2006)</p> <p>Undergrad teaching at University of California, Los Angeles (2003-2005)</p> <p>Advisor for 6 PhD students, 8 master students, 15 laurea thesis</p>
Teaching Activities	<p>Ocean observations and data analysis (Instructor), graduate course, Univ. of Milan, Bicocca.</p> <p>Physics of the Sea (Instructor), graduate course, Univ. of Milan, Bicocca.</p> <p>Geophysics (Instructor), undergraduate course, Univ. of Milan, Bicocca.</p>
Other Activities	<p>Member of the Harmony Mission Advisory Group, European Space Agency Earth Explorer X, 2018-present</p> <p>Italian vice-representative for the International Union on Geodesy and Geophysics, 2019-present</p> <p>Vice-director of the Committee on Mathematical Geophysics, 2006 – present.</p> <p>Reviewer and panelist for US NSF, Israeli NSF, Italian ANVUR VQR.</p> <p>Reviewer for over 30 international ISI journals</p>
Research Activities	<p>ESA Climate Change Initiative GLAUCO: Global and Local Atmospheric response to the Underlying Coupled Ocean (2021-2023)</p> <p>JPI Climate and Oceans “EUREC4A-OA” project (2020-2023)</p> <p>HPC-TRES Air-sea interactions at the submesoscales (2020-2021)</p> <p>ESA Harmony Science Studies (2019-2022)</p>

	<p>HPC-TRES Precipitations in the Alpine region (2017-2020)</p> <p>Cariplo EXTRA Extreme rainfall in the Alpine region (2017-2020)</p> <p>MIUR "RITMARE" project (2012-2016)</p>
<p>List of 10 main Publications of the last 5 years</p>	<p>M.E. Hamouda*, C. Pasquero, E. Tziperman (2021) A breakdown of the link between Arctic and North Atlantic Oscillations in warm climate projections, <i>Nature Climate Change</i>, doi: 10.1038/s41558-020-00966-8</p> <p>C. Pasquero, F. Desbiolles*, A.N. Meroni (2020) Air-sea feedbacks in the cold wakes of tropical cyclones, GRL, doi: 10.1029/2020GL091185.</p> <p>C. De Falco*, A. Bracco, C. Pasquero (2020) Climatic and oceanographic controls on coral bleaching conditions in the Maldivian region, <i>Frontiers in Marine Sciences</i>, doi: 10.3389/fmars.2020.539869.</p> <p>A. N. Meroni*, M. Giurato*, F. Ragone*, C. Pasquero (2020) Observational evidence of the preferential occurrence of wind convergence over sea surface temperature fronts in the Mediterranean, <i>QJRMMS</i>, doi: 10.1002/qj.3745.</p> <p>P. Sternai, L. Caricchi, C. Pasquero, E. Garzanti, D.J.J. van Hinsbergen, S. Castelltort (2020) Magmatic forcing of Cenozoic climate, <i>J. Geophysical Research - Solid Earth</i>, 125, e2018JB016460, doi: 10.129/2018JB016460 .</p> <p>A. Napoli*, A. Crespi, F. Ragone*, M. Maugeri, C. Pasquero (2019) Variability of orographic enhancement of precipitation in the Alpine region, <i>Scientific Reports</i>, doi: 10.1038/s41598-019-49974-5.</p> <p>F. Ragone*, M. Mariotti*, A. Parodi, J. von Hardenberg, C. Pasquero (2018) A climatological study of Western Mediterranean Medicanes in numerical simulations with explicit and parameterized convection, <i>Atmosphere</i>, 9(10), 397, doi:10.3390/atmos9100397.</p> <p>A.N. Meroni*, L. Renault, A. Parodi, C. Pasquero (2018) Role of the oceanic vertical thermal structure in the modulation of heavy precipitations over the Ligurian Sea, <i>Pure and Applied Geophysics</i>, doi:10.1007/s00024-018-2002-y.</p> <p>A.N. Meroni*, A. Parodi, C. Pasquero (2018) Role of the horizontal SST structure in the modulation of heavy precipitations, <i>J. Geophys. Res. Atmosphere</i>, doi: 10.1029/2018jd028276.</p> <p>A. N. Meroni*, M. Miller, E. Tziperman, C. Pasquero (2017) Excitation of ocean internal waves by intense cyclonic winds, <i>J. Physical Oceanography</i>, 47, 1961-1980.</p>
<p>Scientific Expertise</p>	<p>Air-sea interactions, extreme meteorological events, tropical cyclones, climate dynamics, ocean transport.</p>