

## Brief Curriculum Vitae of Aniello Russo

**Aniello Russo** has more than 20 years of experience in ocean observation and operational oceanography, including Polar studies and experiments.

He participated in more than 20 oceanographic cruises, in the Mediterranean Sea and in polar area (Ross Sea, Antarctica), leading some of them and being responsible for physical oceanography data collection in several of them.

He has been scientific responsible of Research Unit in several international, EU and Italian projects.

**Birth** 13 February 1966

### Education

1991: Laurea degree Cum Laude in Nautical Sciences, marine-physical environment address, at Naval University Institute of Napoli (Italy).

### Profession

1 April 2014–present Senior Scientist at NATO STO Centre for Maritime Research and Experimentation (La Spezia, Italy).

1996-2001 Scientist at the Institute of Marine Science (Ancona section) of the Italian CNR.

2001-present Assistant Professor at Polytechnic University of Marche (Ancona, Italy), on special leave since 1 April 2014 in order to join CMRE.

1993-1996 Fellowship and contracts at Institute of Marine Science (Ancona section) of the Italian National Research Council (CNR).

1992-93 Ensign of the Italian Navy, Hydrographic Institute (Genova), in fulfillment of mandatory military service.

Visiting Scientist at the Physical Oceanography Modelling Research Group of the Harvard University (Cambridge, USA) in 1995, 1997 and 1998 (4 months in total).

In 2006 he was awarded the US Naval Research Laboratory Command Coin.

In 2013 he got the Italian scientific qualification for Associate Professor (Scientific Sector: Oceanography and Physics of the Atmosphere).

From 1998 to 2013 he taught graduate and undergraduate classes at Polytechnic University of Marche (Oceanography, Physical Oceanography, Oceanographic Measurements, Environmental Modeling, Climatic Hazard, Fundamentals of Meteorology and Climatology), and he supervised several Ph.D. students and post-docs.

He is associate Editor of the journal *Advances in Oceanography and Limnology*, and reviewer for several scientific journals.

### Publications

He authored 40 Scopus-indexed publications, getting 1479 citations with  $h$ -index=18 (18 papers cited at least 18 times);

79 Google Scholar-indexed publications, getting 2044 citations with  $h$ -index=20 and i10-index=33 (33 papers cited at least 10 times).

#### Selected papers (2013-2016):

1. Chiggiato, J., Bergamasco, A., Borghini, M., Falcieri, F.M., Falco, P., Langone, L., Misericocchi, S., Russo, A., Schroeder, K. (2016). Dense-water bottom currents in the Southern Adriatic Sea in spring 2012. *Marine Geology*, 375, 134-145, DOI: 10.1016/j.margeo.2015.09.005
2. Carlson, D.F., Griffa, A., Zambianchi, E., Suaria, G., Corgnati, L., Magaldi, M.G., Poulain, P.-M., Russo, A., Bellomo, L., Mantovani, C., Celentano, P., Molcard, A., Borghini, M. (2016). Observed and modeled surface Lagrangian transport between coastal regions in the Adriatic Sea with implications for marine protected areas. *Continental Shelf Research*, 118, 23-48, DOI: 10.1016/j.csr.2016.02.012
3. Brando, V.E., Braga, F., Zaggia, L., Giardino, C., Bresciani, M., Matta, E., Bellafiore, D., Ferrarin, C., Maicu, F., Benetazzo, A., Bonaldo, D., Falcieri, F.M., Coluccelli, A., Russo, A., Carniel, S. (2015). High-resolution satellite turbidity and sea surface temperature observations of river plume interactions during a significant flood event. *Ocean Science*, 11 (6), 909-920, DOI: 10.5194/os-11-909-2015
4. Carpi, P., Martinelli, M., Belardinelli, A., Russo, A., Coluccelli, A., Santojanni, A. (2015). Coupling an oceanographic model to a Fishery Observing System through mixed models: The importance of fronts for anchovy in the Adriatic Sea. *Fisheries Oceanography*, 24 (6), 521-532, DOI: 10.1111/fog.12126
5. Falcieri F.M., A. Benetazzo, M. Sclavo, A. Russo, S. Carniel (2014). Po River plume pattern variability investigated from model data. *Continental Shelf Research*, 87, 84-95, doi:10.1016/j.csr.2013.11.001
6. Appiotti F., M. Krželj, A. Russo, M. Ferretti, M. Bastianini, F. Marincioni (2014). A multidisciplinary study on the effects of climate change in the northern Adriatic Sea and the Marche region (central Italy). *Regional Environmental Change*, 14 (5), 2007-2024, DOI: 10.1007/s10113-013-0451-5
7. Rice A.E., J.W. Book, S. Carniel, A. Russo, K. Schroeder, W.T. Wood (2013). Spring 2009 water mass distribution, mixing and transport in the southern Adriatic after a low production of winter dense waters. *Continental Shelf Research*, 64, 33-50, DOI: 10.1016/j.csr.2013.04.034
8. Mihanović, H., I. Vilibić, S. Carniel, M. Tudor, A. Russo, A. Bergamasco, N. Bubić, Z. Ljubešić, D. Viličić, A. Boldrin, V. Malačić, M. Celio, C. Comici, F. Raicich (2013). Exceptional dense water formation on the Adriatic shelf in the winter of 2012. *Ocean Science*, 9, 561-572, doi:10.5194/os-9-561-2013.

#### Main CMRE Reports:

1. Russo, A., R. Onken. Validation and forecast skill evaluation with different categories of rapid environmental assessment data: the NOMR12 experiment. -- La Spezia: CMRE, 2014/12. (*Monographs; CMRE Memorandum Report (MR Series)*) CMRE-MR-2014-012 - NATO Unclassified.
2. Onken, R., M. Ampolo-Rella, G. Baldasserini, I. Borrione, D. Cecchi, E. Coelho, S. Falchetti, H.-V. Fiekas, A. Funk, Y.-M. Jiang, M. Knoll, C. Lewis, B. Mourre, P. Nielsen, A. Russo, R. Stoner, E. Thorp Küsel. REP14-MED Cruise Report. -- La Spezia: CMRE, 2014/09. (*Monographs; CMRE Cruise Reports (CR Series)*) CMRE-CR-2014-06- REP14-MED - NATO Unclassified.