

Lect. PhD VALERIA IBELLO

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-4308-2020

ScopusID: 14123450800

Yoksis Researcher ID: 207413

Education Information

Doctorate, Università degli studi di Napoli Federico II, Sea Science and Engineering, Earth Science, Italy 2005 - 2010

Undergraduate Double Major, Università degli Studi di Napoli-Parthenope, Marine Environmental Science, Oceanography, Italy 1994 - 2001

Foreign Languages

Italian, C2 Mastery

English, C2 Mastery

Turkish, B1 Intermediate

Certificates, Courses and Trainings

Environment and Sustainability, Supporting a Global Ocean Acidification Observing Network – toward increased involvement of developing states / Final coordination meeting on standardized methodology, communication and networking, International Atomic Energy Agency, 2019

Environment and Sustainability, Workshop: Technical Meeting on the Management, Analysis and Quality Control of Ocean Acidification Observation Data, International Atomic Energy Agency, 2018

Environment and Sustainability, Workshop: Best practices for Durafet-based ocean and laboratory pH time-series, Laboratoire d'Océanographie de Villefranche, Villefranche-sur-Mer, Nice, France, 2017

Environment and Sustainability, European Earth System and Climate Modelling School (E2SCMS), European Network for Earth System modelling (ENES), 2012

Dissertations

Doctorate, New hints on nutrients dynamics and their impact on carbon sequestration in the Mediterranean Sea, Università Degli Studi di Napoli, Sea Science and Marine Engineering, Earth Science, 2010

Postgraduate, Pollution of the Phlegraeen lagoons: multi-parameter approach and evaluation of the relationships between chemical analyzes and ecotoxicological responses. , Università degli Studi di Napoli-Parthenope, Marine Environmental Science, Oceanography, 2001

Research Areas

Oceanography, Ocean Observation Systems, Ocean Modeling and Forecasting, Chemical Oceanography, Biogeochemical Cycles, Biological Oceanography

Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Institute of Marine Sciences, Oceanography, 2013 - Continues

Expert PhD, Middle East Technical University, Institute of Marine Sciences, Oceanography, 2011 - 2013

Research Assistant, National Institute of Oceanography and Applied Geophysics, Department of Oceanography , 2008 - 2010

Research Assistant, National Research Council, Institute of Marine Science, Chemical Oceanography, 2002 - 2008

Courses

RESEARCH METHODS AND ETHICS IN MARINE SCIENCES, Postgraduate, 2020 - 2021

SEMINARS IN MARINE SCIENCES, Postgraduate, 2020 - 2021

GEOCHEMICAL CYCLES, Postgraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2013 - 2014

OCEAN ACIDIFICATION, Postgraduate, 2017 - 2018, 2015 - 2016

Advising Theses

Ibello V., Ozhan K., Ocean Acidification and Anthropogenic Carbon in the Eastern Mediterranean Sea and the Effects of Acidification on Calcifying Organisms, Doctorate, E.KOCAMAN(Student), Continues

Ibello V., Fach Salihoğlu B. A., Yelekçi Ö., NUMERICAL SIMULATIONS OF EUTROPHICATION PROCESSES IN IZMIR BAY WITH A COUPLED THREE DIMENSIONAL ECO-HYDRODYNAMIC MODEL, Postgraduate, Ö.Yelekçi(Student), 2013

Jury Memberships

Academic Staff Examination, Academic Staff Examination, Middle East Technical University, September, 2016

Taught Courses And Trainings

Ibello V., Deniz ve Orman Okulu, Öğretmen Eğitim Kampı/Lectures and experiments on global warming and Ocean Acidification., 2020 - 2020

Ibello V., Bir İyilik Yap, Denize Atma! (TÜBİTAK program 4004, 2019 - 2019

Ibello V., Lectures and experiments on global warming and Ocean Acidification/Climate Change Awareness Day (İklim Değişikliği Farkındalık Günü), 2018 - 2018

Ibello V., European Research Night/Lectures and experiments on global warming and Ocean Acidification, 2018 - 2018

Ibello V., Lectures and experiments on global warming and Ocean Acidification, 2017 - 2017

Research Infrastructure Information

Ibello V., Özhan K., Ocean Acidification and Marine Carbonate System Laboratory , September 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ocean carbon from space: Current status and priorities for the next decade**
Brewin R. J., Sathyendranath S., Kulk G., Rio M., Concha J. A., Bell T. G., Bracher A., Fichot C., Frölicher T. L., Galí M., et al.
Earth-Science Reviews, vol.240, 2023 (SCI-Expanded)
- II. **Ocean acidification research in the Mediterranean Sea: Status, trends and next steps**
Hassoun A. E. R., Bantelman A., Canu D., Comeau S., Galdies C., Gattuso J., Giani M., Grelaud M., Hendriks I. E., IBELLO V., et al.
FRONTIERS IN MARINE SCIENCE, vol.9, 2022 (SCI-Expanded)
- III. **Assessing the impact of nutrient loads on eutrophication in a semi-enclosed bay combining observations and coupled hydrodynamic-ecosystem modelling**
Yelekci Ö., Ibello V., Fach Salihoğlu B. A., Küçüksezgin F., Yumruktepe C. V., Sayin E., Salihoğlu B., Tuğrul S.
Mediterranean Marine Science, vol.22, no.3, pp.677-696, 2021 (SCI-Expanded)
- IV. **New insights into C, N and P stoichiometry in the Mediterranean Sea: The Adriatic Sea case**
Santinelli C., IBELLO V., Lavezza R., Civitarese G., Seritti A.
CONTINENTAL SHELF RESEARCH, vol.44, pp.83-93, 2012 (SCI-Expanded)
- V. **Seasonal and inter-annual variability of plankton chlorophyll and primary production in the Mediterranean Sea: a modelling approach**
Lazzari P., Solidoro C., Ibello V., Salon S., Teruzzi A., Beranger K., Colella S., Crise A.
BIOGEOSCIENCES, vol.9, no.1, pp.217-233, 2012 (SCI-Expanded)
- VI. **First basin-wide experimental results on N-2 fixation in the open Mediterranean Sea**
Ibello V., Cantoni C., Cozzi S., Civitarese G.
GEOPHYSICAL RESEARCH LETTERS, vol.37, 2010 (SCI-Expanded)
- VII. **Ventilation of deep waters in the Adriatic and Ionian Seas following changes in thermohaline circulation of the Eastern Mediterranean**
Manca B. B., Ibello V., Pacciaroni M., Scarazzato P., Giorgetti A.
CLIMATE RESEARCH, vol.31, pp.239-256, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Winter convection continues in the warming southern Adriatic**
IBELLO V., Miroslav G., Vanessa C., Giuseppe C.
Eos, Transactions American Geophysical Union, vol.86, 2005 (Scopus)

Books & Book Chapters

- I. **İklim Değişikliği, Ekosistem Servisleri ve Bölgesel Yönetim Stratejileri**
Salihoğlu B., Şahin Yücel E., Ibello V., Yücel M.
in: İklim Değişikliği Ve Türkiye Denizleri Üzerine Etkileri, Barış SALİHOĞLU, Bayram ÖZTÜRK, Editor, Türk Deniz Araştırmaları Vakfı (TÜDAV), İstanbul, pp.1-23, 2021
- II. **Metodologie analitiche per la misura dei valori di composizione isotopica di carbonio, azoto e ossigeno in differenti comparti del sistema marino.**
Mario S., Maurizio R. d., Michele G., Carolina C., Leonardo L., IBELLO V.

in: Metodologia di studio del plancton marino, Sokal G., I. Buttino, M. Cabrini, O. Mangoni, A. Penna, C. Totti, Editor, ISPRA, pp.425-449, 2021

- III. **Assimilazione dei nutrienti azotati e dell'azoto molecolare nel particolato vivente mediante tecnica di arricchimento isotopico (^{15}N)**
Cantoni C., Cozzi S., Ibello V., Lipizer M.
in: Metodologia di studio del plancton marino, Sokal G., I. Buttino, M. Cabrini, O. Mangoni, A. Penna, C. Totti, Editor, ISPRA, Rome, pp.351-362, 2010
- IV. **Metodologie analitiche per la misura dei valori di composizione isotopica di carbonio, azoto e ossigeno in differenti comparti del sistema marino**
Sprovieri M., Cantoni C., Giani M., Ibello V., Langone L., Ribera D'Alcalá M.
in: Metodologia di studio del plancton marino, Sokal G., I. Buttino, M. Cabrini, O. Mangoni, A. Penna, C. Totti, Editor, ISPRA, Rome, pp.425-449, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **Carbon dioxide exchanges in the North-eastern Levantine basin**
Ibello V.
İklim Değişikliği ve Türkiye Denizleri Üzerine Etkileri (online workshop), Türk Deniz Araştırmaları Vakfı (TÜDAV), , İstanbul, Turkey, 15 January 2021, pp.1-15
- II. **Levant Baseninde Nitrifikasyon ve Azot Fiksasyonu: Zaman Serisi Çalışması.**
Ibello V., Küçükavşar S., Karahan A., Örek H., Arkin Ş. S., Salihoğlu B.
III. Ulusal Deniz Bilimleri Konferansı, İzmir, Turkey, 9 - 12 May 2018
- III. **Assessing CO₂ air-sea fluxes and pH levels in the northeastern Mediterranean Sea**
Ibello V., Kocaman E., Özhan K., Örek H.
The Fourth Global Ocean Acidification Observing Network (GOA-ON) International Workshop, Hangzhou, China, 14 - 17 April 2019
- IV. **Partikül Organik Karbon Gönderimi Bats ve Pap İstasyonlarında tep ve mineral balastın Etkisi bir modelleme çalışması**
IBELLO V., Yumruktepe V. Ç., SALİHOĞLU B.
Türkiye Deniz Bilimleri Konferansı 2016, Turkey, 31 May - 03 June 2016, pp.196-197
- V. **DENİZLERDEKİ MİKROBİYAL REAKSİYONLARIN YENİYAKLAŞIMLAR KULLANILARAK ARAŞTIRILMASI: GENETİK, BİYOJEOKİMYA VE MODELLEME**
Küçükavşar S., Arkin Ş. S., Salihoğlu B., Karahan A., Ibello V.
Türkiye Deniz Bilimleri Konferansı, Ankara, Turkey, 31 May - 03 June 2016
- VI. **Partikül Organik Gonderimi: BATS Ve PAP İstasyonlarında TEO Ve Mineral Balastın Etkisi, Bir Modelleme Çalışması.**
Ibello V., Yumruktepe V. Ç., Salihoğlu B.
III Türkiye Deniz Bilimleri Konferansı, Ankara, Turkey, 31 May - 03 June 2016, pp.196-197
- VII. **Farklı Subtropik Kuzey Atlantik Ekosistem Yapılarının Algoritma Sınaması Yaklaşımı Kullanarak Karşılaştırılması**
Yumruktepe V. Ç., Salihoğlu B., Ibello V.
Türkiye Deniz Bilimleri Konferansı, Ankara, Turkey, 1 January - 31 December 2016
- VIII. **Denizlerdeki Mikrobiyal Reaksiyonların Yeni Yaklaşımları kullanılarak Araştırılması: Genetik biyokimya ve Modelleme**
Küçükavşar S., Arkin Ş. S., Salihoğlu B., Karahan A., Ibello V.
Türkiye Deniz Bilimleri Konferansı, Ankara, Turkey, 31 May - 03 June 2016
- IX. **Key Processes Influencing Particle Carbon Flux A Modelling Study**
Ibello V., Momme B., Yumruktepe V. Ç., Salihoğlu B.
2015 Aquatic Sciences Meeting Aquatic Sciences: Global And Regional Perspectives — North Meets South, Granada, Spain, 22 - 27 February 2015

- X. **Comparison of biogeochemical dynamics in two time series sites of a North Atlantic Ocean site PAP and BATS a modeling approach**
 Ibello V., Butenschon M., Salihoğlu B., Kideys A. E.
 European Geosciences Union General Assembly (EGU2013-12317), Vienna, Austria, 7 - 13 April 2013, vol.15, pp.1
- XI. **Mediterranean Sea primary productivity simulated by OPATM-BFM model.**
 Lazzari P., Ibello V., Salon S., Teruzzi A., Solidoro C., Crise A.
 The Mediterranean Science Commission (CIESM), Venice, Italy, 10 - 14 May 2010, pp.1-2
- XII. **A model-based climatology of the biogeochemistry of the Mediterranean sea sub-basins**
 Lazzari P., Ibello V., Salon S., Solidoro C., Crise A., Teruzzi A., Volpe G.
 ASLO Aquatic Sciences Meeting, Nice, France, 25 - 30 January 2010, pp.1
- XIII. **Nitrogen fixation in the Mediterranean sea**
 Ibello V., Cantoni C., Cozzi S., Civitarese G., Ribera D'alcala' M.
 ASLO Aquatic Sciences Meeting, Florida, United States Of America, 2 - 07 March 2008, pp.178
- XIV. **Seasonal and interannual variability of the oceanographic properties in the southern Adriatic**
 Civitarese G., Ibello V., Cantoni C., Cozzi S., Catalano G., Lucchetta A.
 Geoitalia, Rimini, Italy, 12 - 14 September 2007, pp.1
- XV. **DOC distribution and DOM stoichiometry in the Adriatic Sea: preliminary results**
 Santinelli C., Ibello V., Seritti A., Nannicini L., Civitarese G.
 Geoitalia, Rimini, Italy, 12 - 14 September 2007, pp.1
- XVI. **Nitrogen dynamics in the pelagic system of the Mediterranean Sea, with special emphasis to dinitrogen fixation.**
 Ibello V., Cantoni C., Cozzi S., Civitarese G.
 Geoitalia, Rimini, Italy, 12 - 14 September 2007, pp.1
- XVII. **Assessing the role of DON in the oligotrophic ocean: the analogy between the Mediterranean Sea and the Atlantic Ocean. Atlantic Ocean Biogeochemistry and biodiversity**
 Ibello V., Williams R., Wolff G., Civitarese G., Rivera D'alacala' M.
 The Royal Society, London, United Kingdom, 20 July 2006, pp.1
- XVIII. **Relevant aspects of nitrogen dynamics in the Mediterranean Sea**
 Cantoni C., Civitarese G., Ibello V., Zùnig D., Stavrakakis S., Heussner S., Calafat A., Delsaut N.
 Significant Processes, Observations, and Transformation in Oceanic Nitrogen (SPOT-ON), Rostock, Germany, 26 June - 01 July 2005, pp.1
- XIX. **Mesoscale impact on the biogeochemistry and on the trophic status of the North West Mediterranean**
 Ibello V., Sparnocchia S., Civitarese G., Lucchetta A., Cantoni C.
 Consorzio Nazionale Interuniversitario per le Scienze del Mare (CONISMA), Palermo, Italy, 18 - 22 October 2004, pp.1
- XX. **Nitrogen assimilation in an oligotrophic environment: preliminary results from the ADIOS-Fast Response Experiment**
 Cantoni C., Civitarese G., Luchetta A., Ibello V., Sparnocchia S.
 EGS-AGU-EGU Joint Assembly, Nice, France, 6 - 11 April 2003, pp.1

Supported Projects

IBELLO V., KOCAMAN E., Project Supported by Higher Education Institutions, Assessing T_{OT} alkalinity in the East Mediterranean Sea (ATOMS), 2020 - Continues

Salihoğlu B., Yücel M., Şahin Yücel E., Ibello V., Akoğlu E., Örek H., Ok M., Karahan A., Uysal Z., Sürücü B., et al., H2020 Project, BRIDGE-BS: Advancing Black Sea Research and Innovation to Co-Develop Blue Growth within Resilient Ecosystems, 2021 - 2025

Belivermiş M., Özhan K., Ibello V., IAEA International Atomic Energy Agency Supported Project, Evaluating the Impact of Ocean Acidification on Seafood – a Global Approach, 2019 - 2022

IBELLO V., KÜÇÜKAVŞAR S., KARAHAN A., Project Supported by Higher Education Institutions, Discovering the diversity and functionality of diazotrophs in the East Mediterranean Sea (DIAZOGENE), 2017 - 2022

SALİHOĞLU B., IBELLO V., TUBITAK Project, Denizlerdeki Mikrobiyal Reaksiyonların Yeni Yaklaşımlar Kullanılarak Araştırılması: Genetik, Biyojeokimya ve Modelleme, 2016 - 2018

St Johns M., Salihoglu B., Ibello V., FP7 Project, European Union Basin-scale Analysis, Synthesis and Integration (EURO-BASIN), 2010 - 2014

Ibello V., Papathanassiou E., FP6 Project, Southern European Seas: assessing and Modelling Ecosystem changes, 2006 - 2011

Ibello V., Corselli C., Other International Funding Programs, Vulnerability of the Italian coastal area and marine ecosystems to climatic changes and their role in the Mediterranean carbon cycles (VECTOR), 2006 - 2010

Ibello V., Pinardi N., FP5 Project, Mediterranean ocean forecasting system : toward environmental predictions (MFSTEP), 2003 - 2006

Heussner S., Ibello V., FP5 Project, Atmospheric deposition and impact of pollutants, key elements and nutrients on the open Mediterranean sea (ADIOS), 2001 - 2003

Memberships / Tasks in Scientific Organizations

Mediterranean Ocean Acidification Hub (GOA-ON OA MED HUB), Member of Science Committee, 2019 - Continues, United States Of America

Scientific Refereeing

GEOPHYSICAL RESEARCH LETTERS, SCI Journal, April 2017

Tasks In Event Organizations

Ibello V., Aquatic Sciences Meeting, Scientific Congress, Granada, Spain, Şubat 2015

Metrics

Publication: 33
Citation (WoS): 247
Citation (Scopus): 226
H-Index (WoS): 4
H-Index (Scopus): 5

Congress and Symposium Activities

İklim Değişikliği ve Türkiye Denizleri Üzerine Etkileri (online workshop), Türk Deniz Araştırmaları Vakfı (TÜDAV), Panelists, İstanbul, Turkey, 2021

ASLO Aquatic Sciences Meeting, Session Moderator, Granada, Spain, 2015

Invited Talks

METU-IMS Scientific Webinar Series/Air-Sea carbon dioxide exchanges in the Mediterranean Sea: a focus on the North-eastern Levantine basin, Seminar, Middle East Technical University, Institute of Marine Science, Turkey, June 2020

Scholarships

Research Links, British Council, 2015 - 2015

Short Term Mobility , Other International Organizations, 2007 - 2007

Short Term Mobility , Other International Organizations, 2006 - 2006