

## PERSONAL INFORMATION

## VINKO BANDELJ



Scopus author ID: 21738976000 Scopus h-index: 11

Google Scholar h-index: 12

Web of Science ResearcherID: J-2129-2019 WoS h-index: 10

Publons: <https://publons.com/researcher/1459300/vinko-bandelj>

ORCID: <https://orcid.org/0000-0003-0455-1806>

ResearchGate Score: 21.02

## WORK EXPERIENCE

From 1-12-2017 to present

**Researcher permanent position**

National Institute of Oceanography and Applied Geophysics - OGS, Italy

- Application of advanced statistical methods to complex marine biological, hydrodynamic and chemical data from monitoring or models; marine connectivity; habitat suitability models; monitoring and management of marine protected areas.

From 1-5-2011 to 30-11-2017

**Researcher**

National Institute of Oceanography and Applied Geophysics - OGS, Italy

- Application of advanced statistical methods to complex marine hydrodynamic, biogeochemical and biological data, marine connectivity, habitat suitability models

From 2007 to 2011

**Post-doc researcher**

National Institute of Oceanography and Applied Geophysics - OGS, Italy

- Application of advanced statistical methods to complex marine hydrodynamic, biogeochemical and biological data, habitat suitability models, bioenergetic growth model

## TEACHING

AA 2010-2011

**University teacher**

Univerza na Primorskem - Università del Litorale, Koper, Slovenia

- Teacher in Limnology for 3rd grades students in Biodiversity:

## EDUCATION AND TRAINING

From 2004 to 2006

Ph.D. in "Biomonitoring Methodologies for Environmental Alterations" at the University of Trieste

From 1997 to 2003

M.Sc. in Environmental Sciences at the University of Trieste

SUMMER SCHOOLS AND COURSES

20-29 July 2005 Summer School Multivariate Analysis of Ecological Data, University of South Bohemia, České Budějovice (Repubblica Ceca)

15 September 2020 S4D4C European Science Diplomacy online Course

PERSONAL SKILLS

Mother tongues SOVENIAN, ITALIAN

Other languages

	COMPRESIONE		PARLATO		SCRITTO
	Ascolto	Lettura	Interazione orale	Produzione orale	
ENGLISH	C2	C2	C2	C2	C2
GERMAN	A2	B1	A2	A2	A2
SPANISH	McGraw Hill A2 certificate				

Communication skills

- Good communication skills gained through many presentations at international conferences, in several interviews for media (TV, radio, newspapers) and in local conferences of scientific dissemination.

Digital competence

- Very good command of statistical software and languages (R, Matlab, Canonco, Statistica)
- Very good command of Geographic Information System software (QGIS)
- Very good command of Microsoft Office and OpenOffice.org suites
- Very good command of photo editing software (Affinity Photo, GIMP, RAWTherapee)

- [1] Vračko M., Bandelj V., Barbieri P., Benfenati E., Chaudhry Q., Cronin M., Devillers J., Gallegos A., Gini G., Gramatica P., Helma C., Mazzatorta P., Neagu D., Netzeva T., Pavan M., Patlewicz G., Randić M., Tsakovska I., Worth A., 2006: Validation of counter propagation neural network models for predictive toxicology according to the OECD principles: a case study, SAR and QSAR in Environmental Research 17: 265-284
- [2] Solidoro C., Bandelj V., Barbieri P., Cossarini G., Fonda Umani S., 2007: Understanding dynamics of biogeochemical properties in the northern Adriatic Sea by using Self-Organizing Maps and k-means clustering, Journal of Geophysical Research 112, C07S90, doi:10.1029/2006JC003553
- [3] Bandelj V., Socal G., Park Y.-S., Lek S., Coppola J., Camatti E., Capuzzo E., Milani L., Solidoro C., 2008: Analysis of multitrophic plankton assemblages in the lagoon of Venice, Marine Ecology Progress Series 368: 23-40
- [4] Socal G., Acri F., Bastianini M., Bernardi Aubry F., Bianchi F., Cassin D., Coppola J., De Lazzari A., Bandelj V., Cossarini G., Solidoro C., 2008: Hydrological and biogeochemical features of the Northern Adriatic Sea in the period 2003-2006, Marine Ecology, 29: 449-468
- [5] Solidoro C., Bastianini M., Bandelj V., Codermatz R., Cossarini G., Melaku Canu D., Ravagnan E., Salon S., Trevisani S., 2009: Current state, scales of variability and trends of biogeochemical properties in the Northern Adriatic Sea, Journal of Geophysical Research, 114, C07S91, doi: 10.1029/2008JC004838
- [6] Solidoro C., Bandelj V., Cossarini G., Libralato S., Melaku Canu D., 2009. Challenges for ecological modelling in a changing world: Global Changes, Sustainability and Ecosystem Based Management. Ecological Modelling 220: 2825-2827, doi: 10.1016/j.ecolmodel.2009.08.018.
- [7] Bandelj V., Curiel D., Lek S., Rismondo A., Solidoro C., 2009. Modelling spatial distribution of hard bottom benthic communities and their functional response to environmental parameters. Ecological Modelling 220: 2838-2850, doi: 10.1016/j.ecolmodel.2009.04.024.
- [8] Curiel D., Falace A., Bandelj V., Rismondo A., 2012. Applicability and intercalibration of macrophyte quality indices to characterise the ecological status of Mediterranean transitional waters: the case of the Venice lagoon, Marine Ecology, doi: 10.1111/j.1439-0485.2011.00507.x
- [9] Curiel D., Falace A., Bandelj V., Kaleb S., Solidoro C., Ballesteros E., 2012. Species composition and spatial variability of macroalgal assemblages on biogenic reefs in the northern Adriatic Sea. Botanica Marina, doi: 10.1515/bot-2012-0166
- [10] Bandelj V., Solidoro C., Curiel D., Cossarini G., Melaku Canu D., Rismondo A., 2012. Fuzziness and Heterogeneity of Benthic Metacommunities in a Complex Transitional System, PLoS ONE, 7(12), e52395, doi:10.1371/journal.pone.0052395.
- [11] Arashkevich E.G., Stefanova K., Bandelj V., Siokou I., Terbiyik Kurt T., Ak Örek Y., et al. 2014. Mesozooplankton in the open Black Sea: Regional and seasonal characteristics. Journal of Marine Systems, 135, 81–96.
- [12] Mazzocchi M.G., Siokou I., Tirelli V., Bandelj V., Fernandez de Puelles M.L., Ak Örek Y., et al. 2014. Regional and seasonal characteristics of epipelagic mesozooplankton in the Mediterranean Sea based on an artificial neural network analysis. Journal of Marine Systems, 135, 64–80.
- [13] Melaku Canu, D., Solidoro, C., Bandelj, V., Quattrocchi, G., Sorgente, R., Olita, A., Fazioli, L., Cucco, A., 2015. Assessment of oil slick hazard and risk at vulnerable coastal sites. Marine Pollution Bulletin 94, 84–95. doi:10.1016/j.marpolbul.2015.03.006
- [14] Falace, A., Kaleb, S., Curiel, D., Miotti, C., Galli, G., Querin, S., Ballesteros, E., Solidoro, C., Bandelj, V., 2015. Calcareous Bio-Concretions in the Northern Adriatic Sea: Habitat Types, Environmental Factors that Influence Habitat Distributions, and Predictive Modeling. PLoS ONE 10, e0140931. doi:10.1371/journal.pone.0140931
- [15] Zunino, S., D. Melaku Canu, V. Bandelj, and C. Solidoro. 2017. "Effects of Ocean Acidification on Benthic Organisms in the Mediterranean Sea under Realistic Climatic Scenarios: A Meta-Analysis." Regional Studies in Marine Science 10 (Supplement C):86–96. <https://doi.org/10.1016/j.rsma.2016.12.011>.
- [16] Carlucci, R., Bandelj V., Ricci P., Capezzuto F., Sion L., Maiorano P., Tursi A., Solidoro C., Libralato S. 2018. Exploring spatio-temporal changes of the demersal and benthopelagic assemblages of the North-western Ionian Sea (Central Mediterranean Sea). Marine Ecology Progress Series 598: 1-19, doi:10.3354/meps12613
- [17] Bandelj, V., Solidoro, C., Laurent, C., Querin, S., Kaleb, S., Gianni, F., Falace, A., 2020. Cross-scale connectivity of macrobenthic communities in a patchy network of habitats: The Mesophotic Biogenic Habitats of the Northern Adriatic Sea. Estuarine, Coastal and Shelf Science 245, 106978. <https://doi.org/10.1016/j.ecss.2020.106978>
- [18] Bandelj V., De Felice A., Soidoro C., Leonori I. 2020. Predicting the spatial distribution of small pelagic fish in the Adriatic Sea and their response to climate change. *Submitted*.

## Books chapters

[19] Solidoro C., Bandelj V., Bernardi Aubry F., Camatti E., Ciavatta S., Cossarini G., Facca C., Franzoi P., Libralato S., Melaku Canu D., Pastres R., Pranovi F., Raicevich S., Socal G., Sfriso A., Sigovini M., Tagliapietra D., Torricelli P., 2010: Response of Venice Lagoon Ecosystem to Natural and Anthropogenic Pressures over the last 50 Years, in Paerl H. in Kennish M. (a cura di) Coastal Lagoons: Systems of Natural and Anthropogenic Change. Marine Science Book Series, CRC press, Taylor and Francis.

## Proceedings and abstracts

- [20] Barbieri P., Bandelj V., Adami G., Reisenhofer E., Passarini F., Morselli L., 2003: Reti neurali per la razionalizzazione dell'informazione nel monitoraggio multiparametrico di sistemi ambientali, in Morselli L. (a cura di), Ecomondo 2003, vol.2, Maggioli Editore, Rimini, Italy, 410-416
- [21] V. Bandelj, M. Vračko, P. Barbieri, M. Novič, J. Zupan, 2003: Podatkovna baza PCB in PAH spojin – ocena tveganja za Tržaški zaliv (PCBs and PAHs Database – Risk assessment for the Gulf of Trieste), in Zbornik referatov s posvetovanja, Slovenski kemijski dnevi 2003, Maribor, ISBN 86-435-0565-X., 1-6
- [22] V. Bandelj, G. Adami, E. Reisenhofer, P. Barbieri, S. Predonzani, S. Fonda Umani, M. Dragan, 2003: Reti neurali a supporto del monitoraggio di parametri chimici, fisici e biologici di qualità delle acque, in SCI2003 - XXI Congresso della Società Chimica Italiana – Torino, 22-27 giugno 2003, Atti, Vol.2, Poster, AM-CP-003
- [23] V. Bandelj, 2003: Applicazione di reti neurali per l'analisi multivariata di parametri chimici, fisici e biologici delle acque del Golfo di Trieste: le Self-Organizing Map, in SCI2003 - XXI Congresso della Società Chimica Italiana – Torino, 22-27 giugno 2003, Atti, Vol.2, Poster, AM-CP-004
- [24] V. Bandelj, G. Cossarini, C. Solidoro, 2003: Utilizzo di reti neurali per una partizione spaziale della laguna di Venezia a partire da dati di qualità dell'acqua, in IV Convention Nazionale Ambiente – Ricerca – Giovani Competenze e Formazione nella Chimica Ambientale: l'oggi ed il domani, 24-27 Novembre 2003, Grignano – Trieste, 30
- [25] M. Vračko, A. Szymoszek, A. Jezierska, P. Barbieri, P. Mazzatorta, I. Valkova, V. Bandelj, 2004: Self organising maps (SOM) and counter propagation neural networks (CPNN) in structure-property relationship studies, in 11th International workshop on quantitative structure-activity relationships (QSAR) in the human health and environmental sciences - QSAR 2004, 12
- [26] V. Bandelj, G. Cossarini, S. Fonda Umani, C. Solidoro, 2004: Understanding ecosystem dynamics by using Self-Organizing Maps, in S. Džeroski, M. Debeljak, B. Ženko, The Fourth European Conference on Ecological Modelling (ECEM 2004) Bled, Slovenia, September 27 – October 1, 2004, Proceedings, Jožef Stefan Institute, Ljubljana, Slovenia, 23-24
- [27] M. Bastianini, C. Solidoro, V. Bandelj, D. Bellafore, R. Codermatz, G. Cossarini, A. Cucco, D. Melaku Canu, E. Ravagnan, G. Umgiesser, M. Vazzoler, A.R. Zogno, 2005: Assessment of water quality status in the coastal area close to the lagoon of Venice. First year of activity, in P. Camprostrini (ed.) Scientific Research and Safeguarding of Venice. CORILA Research Programme 2004-2006, Volume IV, 2005 Results, CORILA, Venezia, Italy, 311-336.
- [28] V. Bandelj, M. Bastianini, C. Solidoro, 2006: Influence of space, time and biogeochemical properties on plankton community structure in a coastal area, in International Conference on Ecological Modelling 2006 in Yamaguchi, Management of Sustainability and Ecological Modelling, 28 August – 1 September, 2006, Yamaguchi University, ISEM Japan, 214-215
- [29] V. Bandelj, M. Bastianini, G. Cossarini, D. Melaku Canu, C. Solidoro, 2006: Analisi della variabilità spaziale e temporale ed identificazione di masse d'acqua omogenee nel Nord Adriatico, in CORILA Quinta riunione annuale, Programma di ricerca 2004-2006, Risultati del secondo anno, 26-28 aprile 2006, Abstracts, Istituto Veneto di Scienze Lettere ed Arti, Venezia
- [30] G. Cossarini, V. Bandelj, M. Bastianini, D. Melaku Canu, C. Solidoro, 2006: Analisi delle variabilità spaziale e temporale della fascia costiera del Nord Adriatico, in CORILA Quinta riunione annuale, Programma di ricerca 2004-2006, Risultati del secondo anno, 26-28 aprile 2006, Abstracts, Istituto Veneto di Scienze Lettere ed Arti, Venezia
- [31] C. Solidoro, G. Cossarini, V. Bandelj, D. Melaku Canu, 2006: Trend multiannuali, variabilità stagionale ed eterogeneità spaziale in ambienti di transizione. Pressioni, stati e cambiamenti dello stato trofico nella laguna di Venezia, in R. Cimmaruta, P. Bondanelli (a cura di), Cambiamenti globali, diversità ecologica e sostenibilità, Programma e riassunti del XVI Congresso SitE, 22
- [32] V. Bandelj, D. Curiel, A. Rismondo, C. Solidoro, 2007: Zonazione delle popolazioni fitobentoniche e zoobentoniche su substrato duro nella laguna di Venezia, v Ecologia, limnologia e oceanografia: quale futuro per l'ambiente?, in Programma e riassunti del Congresso Congiunto AIOL-SitE, 57
- [33] Solidoro C., Bastianini M., Bandelj V., Codermatz R., Cossarini G., Melaku Canu D., Salon S., Ravagnan E., Trevisani S., 2007: Current state, scales of variability and decadal trends of biogeochemical properties in the Northern Adriatic Sea, in Camprostrini P. (a cura di) Scientific

- Research and Safeguarding of Venice. CORILA Research Program 2004-2006, Volume VI, 2006 Results, CORILA, Venezia, Italy, 333-346
- [34] Bandelj V., Bastianini M., Solidoro C., 2007: Evolution of biomass, abundance and structure of plankton community in the coastal area of the Northern Adriatic Sea, in Campostrini P. (a cura di) Scientific Research and Safeguarding of Venice. CORILA Research Program 2004-2006, Volume VI, 2006 Results, CORILA, Venezia, Italy, 347-358
- [35] Cossarini G., Trevisani S., Bandelj V., Salon S., Solidoro C., 2007: Classification and drivers of spatial pattern of thermohaline features of the Northern Adriatic Sea, in Campostrini P. (a cura di) Scientific Research and Safeguarding of Venice. CORILA Research Program 2004-2006, Volume VI, 2006 Results, CORILA, Venezia, Italy, 359-370
- [36] Solidoro C., Bandelj V., Cossarini G., Melaku Canu D., Trevisani S., Bastianini M., 2007: Biogeochemical properties in the coastal area of the Northern Adriatic Sea, in Campostrini P. (a cura di) Scientific Research and Safeguarding of Venice. CORILA Research Program 2004-2006, Volume VI, 2006 Results, CORILA, Venezia, Italy, 371-384
- [37] V. Bandelj, F. Bernardi-Aubry, E. Camatti, J. Coppola, C. Facca, G. Socal, C. Solidoro, 2007: What can we learn from 30-years plankton monitorings in the lagoon of Venice?, in Challenges for ecological modelling in a changing world: Global Changes, Sustainability and Ecosystem Based Management, 6th European Conference on Ecological Modelling ECEM '07, Conference proceedings, 48-49
- [38] V. Bandelj, D. Curiel, S. Lek, A. Rismondo, C. Solidoro, 2007: Modelling hard bottom benthos communities in the lagoon of Venice with fuzzy k-means and neural networks, in Challenges for ecological modelling in a changing world: Global Changes, Sustainability and Ecosystem Based Management, 6th European Conference on Ecological Modelling ECEM '07, Conference proceedings, 50-51
- [39] S. Zunino, D. Melaku Canu, V. Bandelj, C. Solidoro, 2016: Assessment of acidification impacts in the Mediterranean Sea: from meta-analysis to ecosystem services valuation. Rapp. Comm. int. Mer Médit., 41, 2016, 514

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**TUTORING**

2018-2022 Acting as tutor of dr. Fabrizio Gianni for the post doc position in "Application of advanced statistical methods to marine ecology data" at the Oceanography Section of the National Institute of Oceanography and Applied Geophysics - OGS, Italy

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**WORKSHOPS AND  
CONGRESS PARTICIPATIONS**

XVII Congresso Nazionale di Chimica Ambientale – Venezia (Italy), 2002: P. Barbieri, V. Bandelj, N. Cecco, S. Cislun, E. Degrandi, S. Facchini, E. Maran, M. Spinella, M. Dragan, G. Adami, E. Reisenhofer, Un sistema informativo geografico per la valutazione della contaminazione dei sedimenti e del rischio ambientale in un sito di interesse nazionale (SIN): il Porto di Trieste

XVII Congresso Nazionale di Chimica Analitica - Viareggio (Lucca, Italy), 2002: P. Barbieri, P. Busetto, P. Plossi, I. Pellegrini, G. Adami, V. Bandelj, E. Reisenhofer, Soft computing methods and very big data set from analytical monitoring of dynamic processes; a Multistep Modeling Procedure based on Self-Organizing algorithms (MuMPSO) and neuro-fuzzy tools for handling air quality data

XXI Congresso della Società Chimica Italiana – Torino (Italy), 2003: V. Bandelj, Applicazione di reti neurali per l'analisi multivariata di parametri chimici, fisici e biologici delle acque del Golfo di Trieste: le Self-Organizing Map

XXI Congresso della Società Chimica Italiana – Torino (Italy), 2003: V. Bandelj, G. Adami, E. Reisenhofer, P. Barbieri, S. Predonzani, S. Fonda Umani, M. Dragan, Reti neurali a supporto del monitoraggio di parametri chimici, fisici e biologici di qualità delle acque

Slovenski kemijski dnevi (Slovenian Chemistry Days) – Maribor (Slovenia), 2003: V. Bandelj, M. Vračko, P. Barbieri, M. Novič, J. Zupan, Podatkovna baza PCB in PAN spojin - ocena tveganja za tržaški zaliv (PCBs and PAHs Database – Risk assessment for the Gulf of Trieste)

IV Convenzione Nazionale Ambiente-Ricerca-Giovani – Trieste-Trst (Italy), 2003: V. Bandelj, G. Cossarini, C. Solidoro, Utilizzo di reti neurali per una partizione spaziale della laguna di Venezia a partire da dati di qualità dell'acqua

Imagetox Review Meeting, Liverpool (UK), 16 gennaio 2004: V. Bandelj, M. Vračko, Modeling the log Kow of the Polychlorinated Biphenyls (PCBs)

11th International workshop on quantitative structure-activity relationships (QSAR) in the human health and environmental sciences, Liverpool (UK), 9-13 maggio 2004: M. Vračko, A. Szymoszek, A. Jezierska, P. Barbieri, P. Mazzatorra, I. Valkova, V. Bandelj, Self organising maps (SOM) and counter propagation neural networks (CPNN) in structure-property relationship studies

4th European Conference on Ecological Modelling and 4th International Workshop on Environmental Applications of Machine Learning (ECEM/EAML), Bled (Slovenia), 2004: V. Bandelj, G. Cossarini, S. Fonda Umani, C. Solidoro, Understanding ecosystem dynamics by using Self-Organizing Maps

Relatore invitato al Consultation Meeting on Validation of Neural Network Models according to the OECD Principles, Joint Research Center, Ispra (Italy), 7-8 luglio 2005: V. Bandelj, Matlab toolbox for Kohonen networks modeling: the SOM Toolbox

Seminario: Acque di transizione: analisi descrittivi, prospettive future, Cesenatico (Italy), 22-24 novembre 2005: V. Bandelj, C. Solidoro, Identificazione e descrizione di comunità planctoniche caratteristiche della laguna di Venezia attraverso l'uso di reti neurali

Riunione annuale CORILA 2006, Venezia (Italy), 26-28 aprile 2006: V. Bandelj, M. Bastianini, G. Cossarini, D. Melaku Canu, C. Solidoro, Analisi della variabilità spaziale e temporale ed identificazione di masse d'acqua omogenee nel Nord Adriatico

Riunione annuale CORILA 2006, Venezia (Italy), 26-28 aprile 2006: G. Cossarini, V. Bandelj, M. Bastianini, D. Melaku Canu, C. Solidoro, Analisi delle variabilità spaziale e temporale della fascia costiera del Nord Adriatico

International Conference on Ecological Modelling ICEM 2006, Ube, Yamaguchi (Giappone), 28 agosto – 1° settembre 2006: V. Bandelj, M. Bastianini, C. Solidoro, Influence of space, time and biogeochemical properties on plankton community structure in a coastal area

XVI Congresso Nazionale della Società Italiana di Ecologia, Viterbo & Civitavecchia (Italy), 19-22 settembre 2006: C. Solidoro, G. Cossarini, V. Bandelj, D. Melaku Canu, Trend multiannuali, variabilità stagionale ed eterogeneità spaziale in ambienti di transizione. Pressioni, stati e cambiamenti dello stato trofico nella laguna di Venezia

XVIII Congresso dell'Associazione Italiana di Oceanologia e Limnologia e XVII Congresso della Società Italiana di Ecologia, Ancona (Italy), 17-20 settembre 2007: V. Bandelj, D. Curiel, A. Rismondo, C. Solidoro, Zonazione delle popolazioni fitobentoniche e zoobentoniche su substrato duro nella laguna di Venezia

Chapman Conference on Long Time-Series Observations in Coastal Ecosystems: Comparative Analyses of Phytoplankton Dynamics on Regional to Global Scale, Rovinj (Croazia), 8-12 ottobre 2007: M. Bastianini, F. Acri, V. Bandelj, A. Bazzoni, F. Bernardi Aubry, F. Bianchi, G. Cossarini, A. Pugnetti, G. Socal, C. Solidoro, Environmental condition, life cycles and endogenous clock in

phytoplankton dynamic. Evidences from experimental observations in the NW Adriatic Sea.  
6th European Conference on Ecological Modelling ECEM '07, Trieste-Trst (Italy), 27-30 novembre 2007: V. Bandelj, F. Bernardi-Aubry, E. Camatti, J. Coppola, C. Facca, G. Socal, C. Solidoro, What can we learn from 30-years plankton monitorings in the lagoon of Venice?  
6th European Conference on Ecological Modelling ECEM '07, Trieste-Trst (Italy), 27-30 novembre 2007: V. Bandelj, D. Curiel, S. Lek, A. Rismondo, C. Solidoro, Modelling hard bottom benthos communities in the lagoon of Venice with fuzzy k-means and neural networks  
39° Congresso della Società Italiana di Biologia Marina, Cesenatico (FC) – Ravenna (Italy), 9-13 giugno 2008: G. Socal, F. Aciri, V. Bandelj, M. Bastianini, A. Bazzoni, F. Bernardi Aubry, F. Bianchi, G. Cossarini, A. Pugnetti, C. Solidoro, Condizioni ambientali ciclo vitale ed orologio endogeno nella dinamica del fitoplancton. Evidenze da osservazioni sperimentali nell'Adriatico Nordoccidentale.  
9th International Conference Littoral 2008 A changing coast: challenge for the environmental policies, Venezia (Italy), 25-28 novembre 2008: A. Pugnetti, V. Bandelj, M. Bastianini, F. Bernardi Aubry, G. Socal, C. Solidoro, Life cycle and endogenous clocks in phytoplankton dynamics of the NW Adriatic Sea.  
Riunione scientifica del Gruppo di Algologia della Società Botanica Italiana, Abano Terme (Padova, Italy) 14-15 novembre 2008: F. Bernardi Aubry, G. Socal, F. Aciri, V. Bandelj, M. Bastianini, A. M. Bazzoni, F. Bianchi, G. Cossarini, A. Pugnetti, C. Solidoro, Condizioni ambientali, ciclo vitale ed orologio endogeno nella dinamica del fitoplancton. Evidenze da osservazioni sperimentali nell'Adriatico Nord Occidentale  
IIFET 2010 Economics of fish resources and aquatic ecosystems: balancing uses, balancing costs. Le Courm (Montpellier, Francia) 13-16 luglio 2010: D. Melaku Canu, V. Bandelj, A. Beran, G. Cossarini, P. Del Negro, S. Libralato, C. Solidoro, A. Sustersic, Ecological impact, sustainability and socio-economic analysis of long line mussel-farming in the Gulf of Trieste.  
XX Congresso Nazionale della Società Italiana di Ecologia, Roma (Italy), 27 – 30 settembre 2010: C. Solidoro, D. Melaku Canu, G. Cossarini, V. Bandelj, S. Libralato, G. Giorgi, Multi-ecological-model analysis of effects of global changes on fishing and aquaculture activities in coastal area  
XX Congresso Nazionale della Società Italiana di Ecologia, Roma (Italy), 27 – 30 settembre 2010: C. Solidoro, V. Bandelj, A. Beran, M. Celussi, T. Cibic, C. Comici, G. Cossarini, C. De Vittor, P. Del Negro, C. Fabbro, C. Falconi, S. Libralato, D. Melaku Canu, A. Franzo, M. Lipizer, M. Minocci, M. Monti, A. Sustersic, Ecological impact, economic value and sustainability of mussel farming in the Gulf of Trieste  
XX Congresso Nazionale della Società Italiana di Ecologia, Roma (Italy), 27 – 30 settembre 2010: V. Bandelj, S. Libralato, C. Solidoro, Sviluppo, calibrazione, validazione ed applicazione di un modello bioenergetico del *Mytilus galloprovincialis* coltivato nel golfo di Trieste  
SESAME, Final Conference, Athens, 4-8 aprile 2011: Mazzocchi M.G., Siokou-Frangou I., Tirelli V., Fernandez de Puelles M.L., Ak Orek Y., de Olazabal, A., Gaza M., Legovini S., Margiotta F., Protopapa, M., Kress, N., Bandelj V., Solidoro C., Libralato S., Arashkevich E., Terbiyik T., Uysal Z., Gubanova A., Stefanova K., Timofte F., Timonin A., Zooplankton distribution in the Mediterranean Sea: regional and seasonal features (SESAME-WP2, cruises 2008)  
VECTORS Annual Progress Meeting, Portorož (Slovenia), March 19th – 23rd 2012  
TRECORALA kick-off meeting, Lignano Sabbiadoro (Italy), December 4th 2012  
VECTORS Integrating Workshop, Edinburgh (UK), 28-31 gennaio 2013: Bandelj V., Building a bioenergetic model for *Pelagia noctiluca*  
VECTORS Third Project Meeting, Tarragona (Spain), March 5th – 6th 2013, Milisenda G., Bandelj V., Boero F., Fuentes V., Piraino S., Solidoro C., Understanding the growth and ecological role of jellyfish *Pelagia noctiluca*: experimental work and growth model building  
VECTORS WP2.1 Workshop, Lecce (Italy), October 7th - 9th 2013. V. Bandelj, G. Milisenda, S. Piraino, C. Solidoro, Building a bioenergetic growth model for the jellyfish *Pelagia noctiluca*.  
ISEM2013, Ecological Modelling for Ecosystem Sustainability, Toulouse (France), October 28th-31st 2013: V. Bandelj, C. Solidoro, D. Curiel, G. Cossarini, D. Melaku Canu, Fuzziness and heterogeneity of metacommunities in a complex transitional system: the lagoon of Venice  
European Geosciences Union General Assembly 2014, Vienna (Austria), 27 April – 02 May 2014: Solidoro C., Bandelj V., Cossarini G., Melaku Canu D., Libralato S., 2014: Using Models in Integrated Ecosystem Assessment of coastal areas, EGU General Assembly Conference Abstracts 16, 15036  
ECEM2014, Beyond boundaries. Next generation modelling, Marrakech (Morocco), October 27<sup>th</sup>-30<sup>th</sup>, 2014: V. Bandelj, G. Milisenda, C. Solidoro, S. Piraino, An individual based growth model for the jellyfish *Pelagia noctiluca*  
VECTORS Final Meeting: La Grande-Motte (France), November 17th-21st, 2014: V. Bandelj, G. Milisenda, C. Solidoro, S. Piraino, V. Fuentes, An individual based growth model for the jellyfish *Pelagia noctiluca* based on laboratory experiments and field measures  
41<sup>st</sup> CIESM Congress, 12-16 September 2016, Kiel (Germany), Zunino S., Melaku Canu D., Bandelj V., Solidoro C., Assessment of acidification impacts in the Mediterranean Sea from meta-analysis to ecosystem services valuation

52<sup>nd</sup> European Marine Biology Symposium, September 25<sup>th</sup>- 29<sup>th</sup>, 2017, Piran (Slovenia), S. Zunino, D. Melaku-Canu, V. Bandelj and C. Solidoro. Impact of ocean acidification in the Mediterranean Sea on benthonic organisms and ecosystems

52<sup>nd</sup> European Marine Biology Symposium, September 25<sup>th</sup>- 29<sup>th</sup>, 2017, Piran (Slovenia), M. Ponti, A. Falace, F. Rindi, S. Puce, C. Solidoro, V. Bandelj, F. Costantini, L. Piazzini, S. Kaleb, E. Turicchia, A. Bellucci and M. Abbiati. Disclosing the mesophotic biogenic reefs of the northern Adriatic continental shelf

ISEM2019, 1-5 October 2019, Salzburg (Austria), V. Bandelj, C. Solidoro, C. Laurent, S. Kaleb, F. Gianni, A. Falace. Cross-scale connectivity of macrobenthic communities in a patchy network of habitats: the mesophotic biogenic habitats of the Northern Adriatic Sea

## PROJECT WRITING

I have participated to the writing of different national and international projects, among them were financed or are still under scrutiny the following:

- RITMARE – Progetto Bandiera Italyno 2012-2015;
- RITMARE IV – Progetto Bandiera Italyno 2016-2017;
- Reef ReseArch - Resistance and resilience of Adriatic mesophotic biogenic habitats to human and climate change threats, Progetto di ricerca di interesse nazionale (PRIN), finanziato From MIUR - Bando 2015 Prot. 2015J922E4
- Next Generation Marine Observatories (NEMO) – Progetto Premiale Italyno 2016-2017;
- MED-Units – Study on Advancing fisheries assessment and management advice in the Mediterranean and Black Sea by aligning biological and management units of priority species. EASME/EMFFF/2016/032, 2019-2020
- A-MARE - Autonomous Monitoring And biodiversity Restoration, 2014 - 2020 Interreg V-A Italy - Croatia CBC Programme.

## PROJECT RESPONSABILITIES

I have been responsible of the following research units:

- RITMARE – Italian Flagship Project 2012-2015, research unit leader SP2\_WP2\_AZ2\_UO2
- RITMARE IV – 2016-2017 leader of research unit “Ricostruzione delle nicchie spaziali ed ecologiche (Essential Fish Habitat) delle principali specie ittiche nel sistema Adriatico-Ionio “
- NEMO – Italy, 2016-2017, leader of workpackage BIOSIST\_3 “Sviluppi applicativi”

## PROJECT PARTICIPATIONS

I have been involved in the following national or international research projects:

- IMAGETOX - EU - Intelligent Modelling Algorithms for General Evaluation of Toxicities, 2000-2004, Contract number: HPRN-CT-1999-00015
- MELa1 - Magistrato alle Acque di Venezia - Attività di monitoraggio ambientale della laguna di Venezia 2000-2003: Attività A - Monitoraggio della qualità dell'acqua: Elaborazioni dei dati e sviluppo di modelli.
- ICSEL - Magistrato alle Acque di Venezia - Programma generale delle attività di approfondimento del quadro conoscitivo di riferimento per gli interventi ambientali 2004-2006, Attività B: Le comunità planctoniche della laguna di Venezia: analisi integrata con i dati di qualità dell'acqua.
- CORILA – Programma di ricerca 2004-2006 - Linea 3.13: Climatologia e qualità delle acque costiere della Regione Veneto.
- INTERREG 3 Italy-Slovenia - Studio dello stato trofico e delle anomalie del sistema Alto Adriatico 2001 – 2005.
- INTERREG IIIA Italy-Slovenia - Integrazione conoscenze ecosistema marino Nord Adriatico (EcoMADR) 2006-2007.
- MITILI - Regione FVG - Raccolta dati di base ed elaborazione di un modello di gestione ambientale per l'attività di molluschicoltura ai fini dell'approntamento di piani di gestione integrata delle zone costiere del nord Adriatico (Golfo di Trieste) 2008-2009.
- VECTORS – VECTORS of Change in Oceans and Seas Marine Life, Impact on Economic Sectors, EU 7th Framework Programme, 2011-2015
- MedSeA - Mediterranean Sea Acidification in a changing climate EU 7th Framework Programme, 2011-2014
- PERSEUS – Policy-Oriented Marine Environmental Research in the Southern European



- Seas, EU 7th Framework Programme, 2012-2015.
- RITMARE – Italy, Progetto bandiera 2012-2015, SP2\_WP2\_AZ2\_UO2 Operative Unit leader
- RITMARE IV – Italy, Progetto bandiera 2016, leader unità operativa “Ricostruzione delle nicchie spaziali ed ecologiche (Essential Fish Habitat) delle principali specie ittiche nel sistema Adriatico-Ionio“
- NEMO – Italy, 2016-2017, leader of workpackage BIOSIST\_3 “Sviluppi applicativi”
- Reef ReseArch - Resistance and resilience of Adriatic mesophotic biogenic habitats to human and climate change threats, Research project of national interest (PRIN), MIUR - Call 2015 Prot. 2015J922E4
- HarmoNIA - Harmonization and Networking for contaminant assessment in the Ionian and Adriatic, Seas, EU ADRION, 2018-2019
- ECOSS - Ecological Observing System in the Adriatic Sea: oceanographic observations for biodiversity, Interreg Italy-Croatia, 2019-2021
- MED-Units – Study on Advancing fisheries assessment and management advice in the Mediterranean and Black Sea by aligning biological and management units of priority species. EASME/EMFFF/2016/032, 2019-2020

EDITORIAL ACTIVITY

Guest editor for Ecological Modelling 220 (21): 2825-3110 Personal Publons profile:  
<https://publons.com/researcher/1459300/vinko-bandelj/peer-review/>

EVALUATION OF RESEARCH PROJECTS AND ARTICLES  
 Reviewer activity

From 2008 acting reviewer for peer review scientific journals: Aquaculture, Algal Research, Data In Brief, Environmental Modelling and Software, Forecasting, Frontiers Marine Science, Hydrobiologia, International Review of Hydrobiology, Journal of Cleaner Production, Ocnas, Ocean and Coastal Management, Polar Research, Progress in Oceanography. Personal Publons profile:  
<https://publons.com/researcher/1459300/vinko-bandelj/peer-review/>

MUR (Italy) Evaluator

NRDI (Hungary) Evaluator

Acting MIUR evaluator for Italian projects (PRIN, SIR).

OGS commissions

Acting evaluator for the Hungarian National Research, Development and Innovation Office.

From 2012 to 2020 I did participate to 8 commissions for OGS

HONOURS AND AWARDS

- 2003 Laude and special acknowledgement of the exam commission for the M.Sc. dissertation in Environmental Sciences
- 2003 Environmental Chemistry Division best M.Sc. dissertation at the XXI Congress of the Italian Chemistry Society, Torino, 2003
- Member of the organizing committee of ECEM '07, Trieste-Trst (Italy), November 27-30th 2007
- Member of the organizing committee of ECEM2014, Marrakech (Morocco), October 27-30th 2014
- Co-director of the School on Recent Advances in Multivariate Analysis of Ecological Data: Theory and Practice, jointly organized by The Abdus Salam International Centre for Theoretical Physics (ICTP) and OGS in Trieste, 24-28 October 2016

ORGANISATION AND COORDINATION OF SCHOOLS AND CONGRESSES