



# Europass Curriculum Vitae et Studiorum

## Personal information

Surname / First name **Bandelj Vinko**  
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[vbandelj@gmail.com](mailto:vbandelj@gmail.com)  
Citizenship Italian  
Date of birth November 20<sup>th</sup> 1978  
Gender Male

## Education and training

Dates From academic year 2004 to academic year 2006  
Title of qualification awarded Ph.D. in "Biomonitoring Metodologies for Environmental Alterations"  
Principal subjects/occupational skills covered Analysis and modelling of biogeochemical and ecological characteristics of North Adriatic coastal waters.  
Name and type of organisation providing education and training University of Trieste  
Dates From academic year 1997-1998 to academic year 2001-2002  
Title of qualification awarded M.Sc. in Environmental Sciences  
Principal subjects/occupational skills covered Advanced statistical methods, artificial neural networks  
Interdisciplinarity  
Name and type of organisation providing education and training University of Trieste  
Dates From school year 1992-1993 to school year 1996-1997  
Title of qualification awarded Grammar school secondary degree  
Principal subjects/occupational skills covered Languages  
Humanistic disciplines  
Interdisciplinarity  
Name and type of organisation providing education and training Grammar school: "Državni klasični licej s slovenskim učnim jezikom – Liceo Classico Statale con Lingua d'Insegnamento Slovena - F. Prešeren", Trieste-Trst, Italy

## Work experience

Dates From May 2011  
Occupation or position held Researcher in modelling of marine systems  
Main activities and responsibilities Development and application of univariate and multivariate statistical methods for marine coastal and lagoon ecosystems.  
Development and application of bioenergetic growth models for jellyfish.  
Development and application of habitat suitability models in coastal and marine ecosystems.  
Name and address of employer Istituto Nazionale di Oceanografia e Geofisica Sperimentale, B.go Grotta Gigante-Brišički 42/c, 34010 Sgonico-Zgonik (TS), Italy

Type of business or sector	National Research Institute
Dates	From April 2007 to March 2011
Occupation or position held	Post-doc position in "Numerical analysis of marine systems"
Main activities and responsibilities	Development, application and analysis of univariate and multivariate statistical methods for marine coastal and lagoon ecosystems. Development and application of a bioenergetic growth model for bivalve molluscs and of an ecosystem model for mussels farming in the gulf of Trieste. Data collection and analysis of socio-economic features of mussels farming in the gulf of Trieste.
Name and address of employer	Istituto Nazionale di Oceanografia e Geofisica Sperimentale, B.go Grotta Gigante-Brišički 42/c, 34010 Sgonico-Zgonik (TS), Italy
Type of business or sector	National Research Institute
Dates	2010-2011
Occupation or position held	Taught course on Limnology for 3 <sup>rd</sup> year undergraduate students of Biodiversity
Main activities and responsibilities	Ecology and biodiversity of aquatic systems
Name and address of employer	Univerza na Primorskem (University of Primorska) Fakulteta za matematiko, naravoslovje in informacijske tehnologije (Faculty of Mathematics, Natural Sciences and Information Technologies) Glagoljaška 8, 6000 Koper, Slovenia
Type of business or sector	Public university
Dates	From March 2004 to February 2007
Occupation or position held	Bursary "Development and application of statistical techniques and coastal numerical models for ecological oceanography" an the ECHO group of the Department of Oceanography
Main activities and responsibilities	Development, application and analysis of univariate and multivariate statistical methods for marine coastal and lagoon ecosystems: - clusterization methods - direct and indirect gradient analysis - unsupervised (SOM) and supervised (BPNN) artificial neural networks
Name and address of employer	Istituto Nazionale di Oceanografia e Geofisica Sperimentale, B.go Grotta Gigante-Brišički 42/c, 34010 Sgonico-Zgonik (TS), Italy
Type of business or sector	National Research Institute
Dates	From November 2003 to January 2004
Occupation or position held	Post-graduate researcher in EU project HPRN-CT-1999-00015 IMAGETOX
Main activities and responsibilities	Development of SAR/QSAR models for the prediction of PCB toxicity
Name and address of employer	Kemijski inštitut, Hajdrihova 19, 1000 Ljubljana, Slovenia
Type of business or sector	National Research Institute
Dates	From July 2003 to November 2003
Occupation or position held	Collaboration contract with the ECHO group of the Department of Oceanography
Main activities and responsibilities	Analysis of environmental data in coastal areas of the North Adriatic Sea
Name and address of employer	Istituto Nazionale di Oceanografia e Geofisica Sperimentale, B.go Grotta Gigante-Brišički 42/c, 34010 Sgonico-Zgonik (TS), Italy
Type of business or sector	National Research Institute
Dates	August 2003
Occupation or position held	Post-graduate researcher in bilateral project SLO-IT 15A/2002-2005
Main activities and responsibilities	Structuring of a PCB/PAH database and risk assessment for the gulf of Trieste
Name and address of employer	Kemijski inštitut, Hajdrihova 19, 1000 Ljubljana, Slovenia
Type of business or sector	National Research Institute

## Personal skills and competences

Mother tongue(s) **Slovene, Italian**

Other language(s)

**English, German**

Self-assessment

European level (\*)

**English**

**German**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
A2	Basic user	B1	Independent user	A2	Basic user	A2	Basic user	A2	Basic user

(\*) *Common European Framework of Reference for Languages*

Social skills and competences

Highly adaptive to multicultural and multilanguage working environments  
Highly communicative

Organisational skills and competences

For 4 years I was a member of the directive board of the Slovene sport society for martial arts Shinkai Club based in Italy, with duties for organizational and financial tasks.  
Member of the organizing committee of ECEM '07 – The 6<sup>th</sup> European Conference on Ecological Modelling, held in Trieste-Trst (Italy), November 27-30<sup>th</sup> 2007  
One of the guest editors of the '*Selected Papers from the Sixth European Conference on Ecological Modelling - ECEM '07, on Challenges for ecological modelling in a changing world: Global Changes, Sustainability and Ecosystem Based Management, November 27-30, 2007, Trieste, Italy*', Ecological Modelling 220 (21): 2825-3110

Computer skills and competences

High skills in web researches  
High skills in Windows operating systems  
Good skills in Linux operating systems  
High skills in Openoffice.org and Microsoft Office softwares  
High skills in statistical softwares (STATISTICA, CANOCO)  
High skills in Matlab programming language and environment  
High skills in graphic editors softwares (GIMP, Photoshop)  
Experiences with the use of Geographic Information System softwares (ArcGIS, GRASS)

Driving licence

European driving licences A and B

## ACKNOWLEDGEMENTS AND AWARDS

2003 Special acknowledgement of the exam commission for the M.Sc. dissertation in Environmental Sciences: *Applicazione di reti neurali nell'analisi multivariata di parametri chimici, fisici e biologici delle acque del Golfo di Trieste: le Self-Organizing Maps (Neural networks application in multivariate analysis of chemical, physical and biological parameters of the water in the Gulf of Trieste: the Self-Organizing Maps)*

2003 Environmental Chemistry Division best M.Sc. dissertation at the XXI Congress of the Italian Chemistry Society, Torino, 2003

## INVOLVEMENT IN SCIENTIFIC PROJECTS

EU - Intelligent Modelling Algorithms for General Evaluation of Toxicities (IMAGETOX) 2000-2004, Contract number: HPRN-CT-1999-00015

Magistrato alle Acque di Venezia - Attività di monitoraggio ambientale della laguna di Venezia (MELa1) (Environmental monitoring of the lagoon of Venice) 2000-2003: Attività A - Monitoraggio della qualità dell'acqua: Elaborazioni dei dati e sviluppo di modelli (Monitoring of the water quality: data analysis and models development). Report: Mag. Acque – Thetis, 2004: Resocontazione finale interdisciplinare, Sintesi, 1° stralcio triennale (2000-2003) MELa1, Attività E, Prodotto dal concessionario, Consorzio Venezia Nuova, Venice, Italy

Magistrato alle Acque di Venezia - Programma generale delle attività di approfondimento del quadro conoscitivo di riferimento per gli interventi ambientali (ICSEL) (Research programme for the establishment of a reference framework for environmental interventions) 2004-2006, Attività B: Le comunità planctoniche della laguna di Venezia: analisi integrata con i dati di qualità dell'acqua (The plankton communities in the lagoon of Venice: integrated analysis of plankton and water quality data). Report: Mag. Acque - C. Solidoro, V. Bandelj, 2005: Le comunità planctoniche della laguna di Venezia: analisi integrata con i dati di qualità dell'acqua, 2° stralcio triennale (2004-2006) Progetto "ICSEL", Attività B, Prodotto dal concessionario, Consorzio Venezia Nuova, Venice, Italy

CORILA – Programma di ricerca 2004-2006 - Linea 3.13: Climatologia e qualità delle acque costiere della Regione Veneto (Climatology and quality of Veneto coastal waters). Report: CORILA, 2007: Programma di ricerca 2004-2006 - Linea 3.13: Climatologia e qualità delle acque costiere della Regione Veneto, CNR-ISMAR, OGS, ARPAV

INTERREG 3 Italia-Slovenia - Studio dello stato trofico e delle anomalie del sistema Alto Adriatico (Study of the trophic state and of the anomalies in the Northern Adriatic Sea system) 2001 – 2005. Report: S. Fonda, 2006: Relazione finale INTERREG 3 Italia-Slovenia - Studio dello stato trofico e delle anomalie del sistema Alto Adriatico, 2001 – 2005

INTERREG IIIA Italia-Slovenia - Integrazione conoscenze ecosistema marino Nord Adriatico (EcoMADR) (Integration of the knowledge on the marine ecosystems of the Northern Adriatic Sea) 2006-2007. Report: C. Solidoro, 2007: EcoMADR Integrazione conoscenze ecosistema marino Nord Adriatico, Relazione tecnica

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) (MITILI) (Data collection and development of a model for the environmental management of shellfish aquaculture in a framework of integrated coastal zone management in the Northern Adriatic Sea (Gulf of Trieste)) 2008-2009. Report: C. Solidoro, P. Del Negro, S. Libralato, D. Melaku Canu, 2010: Sostenibilità della mitilicoltura triestina, OGS. 88 p.

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

## COURSES AND SCHOOLS PARTICIPATIONS

July 20-29 2005: *Multivariate Analysis of Ecological Data*, University of South Bohemia, České Budějovice (Czech Republic)

## PAPERS IN SCIENTIFIC JOURNALS

- 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
- 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
- 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
- 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
- Socal G., Acri F., Bandelj V., Bastianini M., Bazzoni A. M., Bernardi Aubry F., Bianchi F., Cossarini G., Pugnetti A., Solidoro C., 2008: *Condizioni ambientali, ciclo vitale ed orologio endogeno nella dinamica del fitoplancton. Evidenze da osservazioni sperimentali nell'Adriatico nord occidentale (Environmental condition, life cycle and endogenous clocks in phytoplankton dynamics. Evidence from experimental observations in the NW Adriatic Sea)*, Biologia Marina Mediterranea, 15(1): 396-397
- 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
- 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.
- 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.
- 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
- 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

## PUBLICATIONS IN BOOKS AND PROCEEDINGS

- 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
- 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
- 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. Campostrini (ed.) Scientific Research and Safeguarding of Venice. CORILA Research Programme 2004-2006, Volume IV, 2005 Results, CORILA, Venice, Italy, 311-336.
- 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
- 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 Campostrini P. (ed.) Scientific Research and Safeguarding of Venice. CORILA Research Program 2004-2006, Volume VI, 2006 Results, CORILA, Venezia, Italia, 333-346
- 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. (ed.) Scientific Research and Safeguarding of Venice. CORILA Research Program 2004-2006, Volume VI, 2006 Results, CORILA, Venezia, Italia, 347-358
- 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. (ed.) Scientific Research and Safeguarding of Venice. CORILA Research Program 2004-2006, Volume VI, 2006 Results, CORILA, Venezia, Italia, 359-370

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. (ed.) Scientific Research and Safeguarding of Venice. CORILA Research Program 2004-2006, Volume VI, 2006 Results, CORILA, Venezia, Italia, 371-384

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, 6<sup>th</sup> European Conference on Ecological Modelling ECEM '07, Conference proceedings, 48-49

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, 6<sup>th</sup> European Conference on Ecological Modelling ECEM '07, Conference proceedings, 50-51

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. (eds.) Coastal Lagoons: Systems of Natural and Anthropogenic Change. Marine Science Book Series, CRC press, Taylor and Francis.

## PUBLICATION OF CONFERENCE ABSTRACTS

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. (ed.), Ecomondo 2003, vol.2, Maggioli Editore, Rimini, Italia, 410-416

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

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

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

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

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

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

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 (eds.), Cambiamenti globali, diversità ecologica e sostenibilità, Programma e riassunti del XVI Congresso SitE, 22

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

## WORKSHOPS AND CONGRESSES CONTRIBUTIONS

- XVII Congresso Nazionale di Chimica Ambientale – Venice (Italy), 2002: P. Barbieri, V. Bandelj, N. Cecco, S. Cisilin, 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 spojini - ocena tveganja za tržaški zaliv*
- 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), January 16<sup>th</sup> 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), May 9<sup>th</sup> - 13<sup>th</sup> 2004: M. Vračko, A. Szymoszek, A. Jezierska, P. Barbieri, P. Mazzatorta, 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*
- Invited speaker at the Consultation Meeting on Validation of Neural Network Models according to the OECD Principles, Joint Research Center, Ispra (Italy), July 7<sup>th</sup> - 8<sup>th</sup> 2005: V. Bandelj, *Matlab toolbox for Kohonen networks modeling: the SOM Toolbox*
- Seminar: Acque di transizione: analisi descrittivi, prospettive future, Cesenatico (Italy), November 22<sup>nd</sup> - 24<sup>th</sup> 2005: V. Bandelj, C. Solidoro, *Identificazione e descrizione di comunità planctoniche caratteristiche della laguna di Venezia attraverso l'uso di reti neurali*
- CORILA 2006 annual meeting, Venice (Italy), April 26<sup>th</sup> - 28<sup>th</sup> 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*
- CORILA 2006 annual meeting, Venice (Italy), April 26<sup>th</sup> - 28<sup>th</sup> 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 (Japan), August 28<sup>th</sup> – September 1<sup>st</sup> 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), September 19<sup>th</sup> - 22<sup>nd</sup> 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), September 17<sup>th</sup> - 20<sup>th</sup> 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 (Croatia), October 8<sup>th</sup> - 12<sup>th</sup> 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.*
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