

Curriculum Vitae

Giovanna Jona Lasinio

Position: since March 2019: Full Professor at the DSS- University of Rome "La Sapienza".

Research:

Environmental Statistics: Ecology, climatology, geostatistics and space-time models. Multivariate extreme values. Environmental indicators: definition and evaluation. Environmental risk assessment, environmental epidemiology. Bayesian modeling of directional data. Since 2019 she is part of the Italian independent research group StatGroup-19, working on COVID-19 modeling and analysis.

Forensic Statistics and signal processing. Since 2000 she has been involved in several EU projects (SMART) in collaboration with the Italian Scientific Police.

Consulting:

2012-2019 - Progetto SAMOBIS (Stima dello stato Ambientale in aree Marine costiere e dei rischi per l'Organizzazione della Biodiversita') In collaboration with the Biology Department of the Universita' di Roma "La Sapienza"

2011-2012 – Sample design for the national survey on drug use - Council of Ministers Department for drug use prevention

2010 – Sample design for the national survey on drug use - Council of Ministers Department for drug use prevention

2007-2010 CONISMA GisPesca: a geografic information system for the Italian fishery sector

2007 Nursery Project with SIBM (Italian Society for Marine Biology)

2006 Mortality study for the Ciampino Municipality

2006-2007 Wave Climatology for the Mediterranean (APAT)

2004-2005 Assimilation of meteo-marine data in a coastal forecasting system (APAT)

2005-2006 Statistical Analysis of rainfall, hydrometric levels, flow and temperature available from the hydrological APAT's data-warehouse (APAT)

2000-2005 CLIMAGRI: Subproject 3 Statistical evaluation of the artificial rain enhancement experiment (Puglia 1992-1994)

Recent Grants:

2021 Sapienza University: JCDM a Joint Cetacean Database and Mapping (JCDM)

A tool for knowledge and conservation

PRIN 2015 (3years): Environmental processes and human activities: capturing their interactions via statistical methods (EPHASTAT)- Coordinator of the local Rome unit

Some Invited talks since 2009:

2009, Institute of Health and Consumer Protection, European Commission Joint Research Center, Ispra (VA), "Italian research in Statistics and the Environment. The PM health effects: responses to source-related exposures" (joint work with A. Pollice).

2009, S.Co. 2009 – Sixth conference – Complex Data Modeling and Computational Intensive Statistical Methods for Estimation and Prediction, Milano, "PM health effects: responses to source-related exposures" (joint work with A. Pollice).

2009 TIES - the 20th Annual Conference of The International Environmetrics Society, a Section of the ISI, Bologna: Plenary session "Spatio temporal data modeling in environmental sciences a review Jona Lasinio G

2010, June, TIES 2010 – the 21st Annual Conference of The International Environmetrics Society, a Section of the ISI, Margarita Island (VE), “Identifying sources of PM10 pollution in the Taranto area” (joint work with A. Pollice).

2012, PM 2012 – 5th National Conference on Particulate Matter, University of Perugia “Statistical models and analyses of air quality monitoring data” (joint work with A. Pollice).

2012 TIES - the 22st Annual Conference of The International Environmetrics Society, a Section of the ISI Hyderabad: Wrapped Gaussian processes Jona Lasinio G, Gelfand AE

2013, Advances in latent variables: methods, models and applications - Conference of the Italian Statistical Society, University of Brescia, “Bayesian analysis of the multivariate dependence of three transitional water ecosystem classifications” (joint work with S. Arima, G. Jona Lasinio, A. Basset, I. Rosati).

2014 XXIV Conference of Italian Ecological Society - Biodiversity partitioning for transitional water ecosystems (joint work with Pollice A., Basset A., Arima S., Rosati I., Fano A.)

2013 XXIII Conference of Italian Ecological Society - A model-based approach to lagoon ecosystem classification (joint work with Arima S., Basset A., Pollice A., Rosati I.)

2013 XXIII Conference of Italian Ecological Society - Effect of global warming on mediterranean demersal communities: the case of *parapenaeus longirostris* along the western coasts of Italy as indicator species for global warming in the mediterranean sea (joint work with Colloca F., Mastrantonio G., Sartor P., Ligas A.)

2014 ADISTA 2014: Wrapped Gaussian processes: a short review and some new results (joint work with G. Mastrantonio G, Gelfand A.E.)

2017 TIES Graspa Conference - Assessing the role of the spatial scale in the analysis of lagoon biodiversity. A case-study on the macrobenthic fauna of the Po River Delta (with Alessio Pollice, Anna Fano)

2017 ERCIM - London Bayesian model-based space-time joint interpolation of temperature and rainfall fields (with G. Mastrantonio, A. Pollice, C. Blasi, G. Capotorti, G. Genova, L. Teodonio)

2018 METMA - Montpellier Bayesian Measurement Error Correction in Structured Additive Distributional Regression with an Application to the Analysis of Sensor Data on Soil-Plant Variability (with A. Pollice, T. Kneib, R. Amato, S. Lang)

2019 ISI-World Conference Kuala Lumpur Bayesian hierarchical modeling of multivariate climate data (with Gianluca Mastrantonio, Alessio Pollice, Giulia Capotorti, Lorenzo Teodonio, Carlo Blasi)

2019 ISI-World Conference Kuala Lumpur Using FAO’s methodology for monitoring SDG target 12.3 to estimate the environmental impact of food losses (with Carola Fabi and Alicia English)

2022 IES 2022 CONFERENCE Caserta January 2022 Assessment of the impact of anthropic pressures on the Giglio island meadow of *Posidonia oceanica* (with A. Pollice, G. Mastrantonio, G. Mancini, D. Ventura)

Recent Conference organization (scientific committees):

2019-2021 GRASPA - SIS biannual workshop (Regional TIES meeting- ISI satellite meeting)

2019-2020 ADISTA20 (Santiago de Compostela, Spain postponed to 2022)

2017-2019 Scientific Committee for the ISI world conference Kuala Lumpur 18-23 August 2019 (Malaysia) as TIES representative

2016-2017 - ADISTA 17 (Rome 8-9 June 2017)

2016-2017 - session organizer for the TIES/GRASPA meeting Bergamo July 2017

2015-2016 - TIES 2016 (Edinburgh). SIS 2016 (Salerno)

2015 Bari - GRASPA 2015/TIES European Regional meeting

2011 Foggia - SPATIAL 2/TIES European Regional Meeting

Bibliometric information(h index):

Scopus h-index: 17

Web of Science h-index: 16

Google scholar h-index: 17 (from 2017) 21 over all

Total citation (Web of science): 1.800

Total citation (Google scholar): 1398

Some Phd Thesis:

2022 M. Mingione "On the wide applicability of Bayesian hierarchical models"

2021 F. Onori "Official Statistics and Sustainable Development Goals (SDGs): statistical tools for handling complexity and comparability across countries"

2021 P. Alaimo Di Loro "Innovative approaches in spatio-temporal modeling: handling data collected by new technologies"

2015 G. Mastrantonio "Temporal And Spatio-Temporal Models For Circular And Circular-Linear Data"

2012 N. Golini "Bayesian Modeling for Presence only data"

2009 C. Ferrari "The wrapping approach for circular data Bayesian modeling"

2004 M. Bultrini "A nonparametric approach to spatial autoregressive models"

2004 A. Orasi "Ricostruzione di campi di pioggia tramite modelli spatio-temporali per l'analisi di incremento artificiale delle precipitazioni"

2002 S. Loriga- "Problemi di stima per dati spaziali multivariati"

1998 A. Capobianchi - "Analisi di dati spaziali multivariate"

Referee for: Journal of statistical computation and simulation, Stochastic Environmental Research and Risk Assessment, Journal of statistical planning and inference, Environmetrics, Environmental Monitoring and Assessment , Ecological Modelling, Ecological Indicators, Statistical Methods and Applications, Biometrika, Biometrics, Biometrical Journal, Spatial Statistics, Scientific Reports

Associate Editor for Journal of Statistical Computation and Simulation, Statistical Methods and Applications; Environmetrics.

Other Activities

2017-2019 Secretary for the Environmental Section of International Society for Bayesian Analysis

2016-2017 Publication officer for the Environmental Section of International Society for Bayesian Analysis

From November 2022 Coordinator of PhD program in statistics at Sapienza University

Member of the Scientific Committee of the PhD program in statistics at Sapienza University

The International Environmetrics Society (TIES) member and regional representative 2011-2015 (Europe)

Member of the Italian Statistical Society (SIS) and of the Italian Ecological Society (SIte)

FIRB projects evaluation

Selected publications

1. Mueller, Yvonne M.; Schrama, Thijs J.; Ruijten, Rik; Schreurs, Marco W. J.; Grashof, Dwin G. B.; van de Werken, Harmen J. G.; Jona Lasinio, Giovanna; Álvarez-Sierra, Daniel; Kiernan, Caoimhe H.; Castro Eiro, Melisa D.; van Meurs, Marjan; Brouwers-Haspels, Inge; Zhao, Manzhi; Li, Ling; de Wit, Harm; Ouzounis, Christos A.; Wilmsen, Merel E. P.; Alofs, Tessa M.; Laport, Danique A.; van Wees, Tamara; Kraker, Geoffrey; Jaimes, Maria C.; Van Bockstael, Sebastiaan; Hernández-González, Manuel; Rokx, Casper; Rijnders, Bart J. A.; Pujol-Borrell, Ricardo; Katsikis, Peter D., (2022) Stratification of hospitalized COVID-19 patients into clinical severity progression groups by immuno-phenotyping and machine learning, *NATURE COMMUNICATIONS*, 1-13 Nature Publishing Group 10.1038/s41467-022-28621-0
2. Mingione, Marco; Alaimo Di Loro, Pierfrancesco; Jona Lasinio, Giovanna; Divino, Fabio; Lovison, Gianfranco; Maruotti, Antonello; Farcomeni, Alessio, (2022) Covid-19 in Italy: Modelling, communications, and collaborations, *SIGNIFICANCE*, 19, 2, - Wiley Online Library 10.1111/1740-9713.01629
3. Alaimo Di Loro, Pierfrancesco; Divino, Fabio; Farcomeni, Alessio; Jona Lasinio, Giovanna; Lovison, Gianfranco; Maruotti, Antonello; Mingione, Marco, (2021) Nowcasting COVID-19 incidence indicators during the Italian first outbreak, *STATISTICS IN MEDICINE*, 1-22 John Wiley & Sons Ltd 10.1002/sim.9004
4. Pace, Daniela Silvia; Di Marco, Chiara; Giacomini, Giancarlo; Ferri, Sara; Silvestri, Margherita; Papale, Elena; Casoli, Edoardo; Ventura, Daniele; Mingione, Marco; Alaimo Di Loro, Pierfrancesco; Jona Lasinio, Giovanna; Ardizzone, Domenico, (2021) Capitoline dolphins. Residency patterns and abundance estimate of *Tursiops truncatus* at the Tiber River estuary (Mediterranean Sea), *BIOLOGY*, 10, 4, 1-19 MDPI 10.3390/biology10040275
5. Rositi, Angela Anna; Jona Lasinio, Giovanna; Ciucci, Paolo, (2021) Assessing Forest Structural and Topographic Effects on Habitat Productivity for the Endangered Apennine Brown Bear, *FORESTS*, 12, 7, 1-18 MDPI 10.3390/f12070916
6. Zarei, S.; Arima, S.; Jona Lasinio, G., (2021) A new robust Bayesian small area estimation via α -stable model for estimating the proportion of athletic students in California, *BIOMETRICAL JOURNAL*, 63, 6, 1309-1324 John Wiley and Sons Inc 10.1002/bimj.202000235
7. Mingione, Marco; Fabi, Carola; Jona Lasinio, Giovanna, (2021) Measuring and Modeling Food Losses, *JOURNAL OF OFFICIAL STATISTICS*, 37, 1, 171-211 Sciendo <http://dx.doi.org/10.2478/JOS-2021-0008>
8. La Serra, Vittoria; Pasetto, Roberto; Manno, Valerio; Iavarone, Ivano; Jona Lasinio, Giovanna; Minelli, Giada, (2021) Exploring methods for the assessment of temporal trends in mortality and hospitalization in Italian industrially contaminated sites, *ANNALI DELL'ISTITUTO SUPERIORE DI SANITÀ*, 57, 183-192 Istituto Superiore di Sanità Roma : Istituto poligrafico dello stato
9. Mastrantonio, Gianluca; Jona Lasinio, Giovanna; Pollice, Alessio; Teodonio, Lorenzo; Capotorti, Giulia, (2021) A Dirichlet process model for change-point detection with multivariate bioclimatic data, *ENVIRONMETRICS*, 1-29 Wiley 10.1002/env.2699
10. Martino, Sara; Pace, Daniela Silvia; Moro, Stefano; Casoli, Edoardo; Ventura, Daniele; Frachea, Alessandro; Silvestri, Margherita; Arcangeli, Antonella; Giacomini, Giancarlo; Ardizzone, Giandomenico; Jona Lasinio, Giovanna, (2021) Integration of presence-only data from several sources. A case study on dolphins' spatial distribution, *ECOGRAPHY*, 44, 1-11 Wiley 10.1111/ecog.05843
11. Mancini, G.; Casoli, E.; Ventura, D.; Jona Lasinio, G.; Belluscio, A.; Ardizzone, G. D., (2021) An experimental investigation aimed at validating a seagrass restoration protocol based on transplantation, *BIOLOGICAL CONSERVATION*, 264, 1-11 Elsevier 10.1016/j.biocon.2021.109397
12. Fabio, Divino; Antonello, Maruotti; Alessio, Farcomeni; Jona Lasinio, Giovanna; Gianfranco, Lovison; Massimo, Ciccozzi, (2021) On the severity of COVID-19 infections in 2021 in Italy, *JOURNAL OF MEDICAL VIROLOGY*, 1-3 Wiley-Liss 10.1002/jmv.27529

13. Ventura, Daniele; Mancini, Gianluca; Casoli, Edoardo; Pace, Daniela Silvia; Lasinio, Giovanna Jona; Belluscio, Andrea; Ardizzone, Giandomenico, (2021) Seagrass restoration monitoring and shallow-water benthic habitat mapping through a photogrammetry-based protocol, *JOURNAL OF ENVIRONMENTAL MANAGEMENT*,304, 114262- Elsevier 10.1016/j.jenvman.2021.114262
14. Mingione, Marco; Alaimo Di Loro, Pierfrancesco; Farcomeni, Alessio; Divino, Fabio; Lovison, Gianfranco; Maruotti, Antonello; Jona Lasinio, Giovanna, (2021) Spatio-temporal modelling of COVID-19 incident cases using Richards' curve: An application to the Italian regions, *SPATIAL STATISTICS*, 1-31 Elsevier <https://doi.org/10.1016/j.spasta.2021.100544>
15. Ventura, D.; Dubois, S. F.; Bonifazi, A.; Jona Lasinio, G.; Seminara, M.; Gravina, M. F.; Ardizzone, G., (2020) Integration of close-range underwater photogrammetry with inspection and mesh processing software: a novel approach for quantifying ecological dynamics of temperate biogenic reefs, *REMOTE SENSING IN ECOLOGY AND CONSERVATION*, 1-18 Wiley-Blackwell 10.1002/rse2.178
16. Casoli, E.; Piazzì, L.; Nicoletti, L.; Jona Lasinio, G.; Cecchi, E.; Mancini, G.; Belluscio, A.; Ardizzone, G., (2020) Ecology, distribution and demography of erect bryozoans in Mediterranean coralligenous reefs, *ESTUARINE, COASTAL AND SHELF SCIENCE*,235, - Elsevier 10.1016/j.ecss.2019.106573
17. Farcomeni, Alessio; Maruotti, Antonello; Divino, Fabio; Jona-Lasinio, Giovanna; Lovison, Gianfranco, (2020) An ensemble approach to short-term forecast of COVID-19 intensive care occupancy in Italian regions, *BIOMETRICAL JOURNAL*, 1-11 Wiley-VCH Verlag 10.1002/bimj.202000189
18. Moro, Stefano; Jona-Lasinio, Giovanna; Block, Barbara; Micheli, Fiorenza; De Leo, Giulio; Serena, Fabrizio; Bottaro, Massimiliano; Scacco, Umberto; Ferretti, Francesco, (2020) Abundance and distribution of the white shark in the Mediterranean Sea, *FISH AND FISHERIES*,21,2, 338-349 Blackwell Publishing Ltd 10.1111/faf.12432
19. Fiorentino, Federico; Jona Lasinio, Giovanna; Careddu, Giulio; Sporta Caputi, Simona; Rossi, Loreto; Calizza, Edoardo; Costantini, Maria Letizia, (2020) New epilithic $\delta^{15}\text{N}$ -based analytical protocol for classifying Nitrogen impact in Lake Bracciano, *ECOLOGICAL INDICATORS*,117, - Elsevier 10.1016/j.ecolind.2020.106663
20. Pollice, A.; Jona Lasinio, Giovanna; Gaglio, M.; Blanchet, F. G.; Fano, E. A., (2020) Modelling the effect of directional spatial ecological processes for a river network in Northern Italy, *ECOLOGICAL INDICATORS*,112, 1-9 Elsevier Science Incorporated 10.1016/j.ecolind.2020.106144
21. Jona Lasinio, Giovanna; Santoro, Mario; Mastrantonio, Gianluca, (2020) {CircSpaceTime}: an R package for spatial and spatio-temporal modelling of circular data, *JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION*, 1315-1345 Taylor & Francis Limited 10.1080/00949655.2020.1725008
22. Onori, Federica; Jona Lasinio, Giovanna, (2020) Modeling "Equitable and Sustainable Well-being" (BES) Using Bayesian Networks: A Case Study of the Italian Regions, *SOCIAL INDICATORS RESEARCH*, - 10.1007/s11205-020-02406-8
23. Jona Lasinio, Giovanna; Pollice, Alessio; Fano, Elisa Anna, (2019) Generalized biodiversity assessment by Bayesian nested random effects models with spike-and-slab priors, *STATISTICS & PROBABILITY LETTERS*,144, 52-56 Elsevier 10.1016/j.spl.2018.03.006
24. Mancini, G.; Casoli, E.; Ventura, D.; Jona-Lasinio, G.; Criscoli, A.; Belluscio, A.; Ardizzone, G. D., (2019) Impact of the Costa Concordia shipwreck on a Posidonia oceanica meadow. A multi-scale assessment from a population to a landscape level, *MARINE POLLUTION BULLETIN*,148, 168-181 Elsevier Ltd 10.1016/j.marpolbul.2019.07.044
25. Mastrantonio, Gianluca; Jona Lasinio, Giovanna; Pollice, Alessio; Capotorti, Giulia; Teodonio, Lorenzo; Genova, Giulio; Blasi, Carlo, (2019) A hierarchical multivariate spatio-temporal model for clustered climate data with annual cycles, *THE ANNALS OF APPLIED STATISTICS*,13,2, 797-823 Institute of Mathematical Statistics 10.1214/18-AOAS1212
26. Ventura, Daniele; Bonifazi, Andrea; Lasinio, Giovanna Jona; Gravina, Maria Flavia; Mancini, Emanuele; Ardizzone, Domenico, (2018) Can microscale habitat-related differences influence the abundance of ectoparasites? Multiple evidences from two juvenile coastal fish (Perciformes: Sparidae), *ESTUARINE, COASTAL AND SHELF SCIENCE*,209, 110-122 Academic Press 10.1016/j.ecss.2018.05.020

27. Rossi, Loreto; Calizza, Edoardo; Careddu, Giulio; Rossi, David; Orlandi, Lucia; Jona-Lasinio, Giovanna; Aguzzi, Laura; Costantini, Maria Letizia, (2018) Space-time monitoring of coastal pollution in the Gulf of Gaeta, Italy, using $\delta^{15}\text{N}$ values of *Ulva lactuca*, landscape hydromorphology, and Bayesian Kriging modelling, MARINE POLLUTION BULLETIN,126, 479-487 Elsevier Ltd 10.1016/j.marpolbul.2017.11.063
28. Jona Lasinio, Giovanna; Pollice, Alessio; Marcon, Å%oric; Fano, Elisa Anna, (2017) Assessing the role of the spatial scale in the analysis of lagoon biodiversity. A case-study on the macrobenthic fauna of the Po River Delta, ECOLOGICAL INDICATORS,80, 303-315 Elsevier B.V. 10.1016/j.ecolind.2017.05.037
29. Bonifazi, Andrea; Ventura, Daniele; Gravina, Maria Flavia; Lasinio, Giovanna Jona; Belluscio, Andrea; Ardizzone, Gian Domenico, (2017) Unusual algal turfs associated with the rhodophyta *Phyllophora crispa*: Benthic assemblages along a depth gradient in the Central Mediterranean Sea, ESTUARINE, COASTAL AND SHELF SCIENCE,185, 77-93 Academic Press 10.1016/j.ecss.2016.12.013
30. Fiorentino, Federico; Cicala, Davide; Careddu, Giulio; Calizza, Edoardo; JONA LASINIO, Giovanna; Rossi, Loreto; Costantini, Maria Letizia, (2017) Epilithon $\delta^{15}\text{N}$ signatures indicate the origins of nitrogen loading and its seasonal dynamics in a volcanic lake, ECOLOGICAL INDICATORS,79, 19-27 Elsevier B.V. 10.1016/j.ecolind.2017.04.007
31. Casoli, Edoardo; Nicoletti, Luisa; Mastrantonio, Gianluca; JONA LASINIO, Giovanna; Belluscio, Andrea; Ardizzone, Domenico, (2017) Scuba diving damage on coralligenous builders. Bryozoan species as an indicator of stress, ECOLOGICAL INDICATORS,74, 441-450 Elsevier B.V. 10.1016/j.ecolind.2016.12.005
32. Casoli, E.; Ventura, D.; Cutroneo, L.; Capello, M.; Jona-Lasinio, G.; Rinaldi, R.; Criscoli, A.; Belluscio, A.; Ardizzone, G. D., (2017) Assessment of the impact of salvaging the Costa Concordia wreck on the deep coralligenous habitats, ECOLOGICAL INDICATORS,80, 124-134 Elsevier B.V. 10.1016/j.ecolind.2017.04.058
33. JONA LASINIO, Giovanna; Tullio, Maria Alessandra; Ventura, Daniele; Ardizzone, Domenico; Abdelahad, Nadia, (2017) Statistical analysis of the distribution of infralittoral *Cystoseira* populations on pristine coasts of four Tyrrhenian islands. Proposed adjustment to the CARLIT index, ECOLOGICAL INDICATORS,73, 293-301 Elsevier 10.1016/j.ecolind.2016.09.038
34. Mastrantonio, Gianluca; JONA LASINIO, Giovanna; Maruotti, Antonello; Calise, Gianfranco, (2017) Invariance properties and statistical inference for circular data, STATISTICA SINICA, 1-30 Syracuse University:Department Qualitative Methods, School of Management:Syracuse 10.5705/ss.202016.0067
35. Mastrantonio, Gianluca; Gelfand, Alan E.; JONA LASINIO, Giovanna, (2016) The wrapped skew Gaussian process for analyzing spatio-temporal data, STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT,30,8, 2231-2242 Springer New York LLC 10.1007/s00477-015-1163-9
36. Ranalli, M. Giovanna; Rocco, Giorgia; JONA LASINIO, Giovanna; Moroni, Beatrice; Castellini, Silvia; Crocchianti, Stefano; Cappelletti, David, (2016) Functional exploratory data analysis for high-resolution measurements of urban particulate matter, BIOMETRICAL JOURNAL, 1-19 Wiley 10.1002/bimj.201400251
37. Mastrantonio, Gianluca; JONA LASINIO, Giovanna; Gelfand, Alan E., (2016) Spatio-temporal circular models with non-separable covariance structure, TEST,25,2, 331-350 Springer New York LLC 10.1007/s11749-015-0458-y
38. Ventura, Daniele; Bruno, Michele; Jona Lasinio, Giovanna; Belluscio, Andrea; Ardizzone, Domenico, (2016) A low-cost drone based application for identifying and mapping of coastal fish nursery grounds, ESTUARINE, COASTAL AND SHELF SCIENCE,171, 85-98 Elsevier Science Ltd 10.1016/j.ecss.2016.01.030
39. Fabio, Divino; Natalia, Golini; JONA LASINIO, Giovanna; Antti, Pettinen, (2015) Bayesian logistic regression for presence-only data, STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT,29, 1721-1736 Springer 10.1007/s00477-015-1064-y
40. JONA LASINIO, Giovanna; Costantini, Maria Letizia; Calizza, Edoardo; Alessio, Pollice; Bentivoglio, Flavia; Orlandi, Lucia; Careddu, Giulio; Rossi, Loreto, (2015) Stable isotope-based statistical tools as

ecological indicator of pollution sources in Mediterranean transitional water ecosystems, *ECOLOGICAL INDICATORS*,55, 23-31 Springer 10.1016/j.ecolind.2015.03.006

41. Abdelahad, Nadia; R., Bolpagni; JONA LASINIO, Giovanna; M. L., Vis; C., Amadio; A., Laini; E. J., Keil, (2015) Distribution, morphology and ecological niche of *Batrachospermum* and *Sheathia* species (*Batrachospermales*, *Rhodophyta*) in the fontanili of the Po plain (northern Italy), *EUROPEAN JOURNAL OF PHYCOLOGY*,50:3, 318-329 Taylor & Francis 10.1080/09670262.2015.1055592
42. Alessio, Pollice; Arima, Serena; JONA LASINIO, Giovanna; Alberto, Basset; Ilaria, Rosati, (2015) Bayesian analysis of three indices for lagoons ecological status evaluation, *STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT*,29, 477-485 Springer 10.1007/s00477-014-0885-4
43. Wang, Fangpo; Gelfand, Alan E.; JONA LASINIO, Giovanna, (2015) Joint spatio-temporal analysis of a linear and a directional variable: space-time modeling of wave heights and wave directions in the Adriatic Sea, *STATISTICA SINICA*,25, 25-39 Institute of Statistical Science. doi:10.5705/ss.2013.204w
44. Gianluca, Mastrantonio; Antonello, Maruotti; Jona Lasinio, Giovanna, (2015) Bayesian Hidden Markov Modelling Using Circular-Linear General Projected Normal Distribution, *ENVIRONMETRICS*,26, 145-158 Wiley 10.1002/env.2326
45. Colloca, Francesco; Mastrantonio, Gianluca; JONA LASINIO, Giovanna; Ligas, Alessandro; Sartor, Paolo, (2014) *Parapenaeus longirostris* (Lucas, 1846) an early warning indicator species of global warming in the central Mediterranean Sea, *JOURNAL OF MARINE SYSTEMS*,138, 29-39 Elsevier 10.1016/j.jmarsys.2013.10.007
46. Francesco, Tonini; Fabio, Divino; JONA LASINIO, Giovanna; H., Hochmair Hartwig; H., Scheffrahn Rudolf, (2014) Predicting the geographical distribution of two invasive termite species from occurrence data, *ENVIRONMENTAL ENTOMOLOGY*,5,43, 1135-1144 Entomological Society of America 10.1603/en13312
47. Ventura, Daniele; JONA LASINIO, Giovanna; Ardizzone, Domenico, (2014) Temporal partitioning of microhabitat use among four juvenile fish species of the genus *Diplodus* (Pisces: Perciformes, Sparidae)., *MARINE ECOLOGY*,36, 1013-1032 John Wiley & Sons 10.1111/maec.12198
48. Edmondo Di, Giuseppe; JONA LASINIO, Giovanna; Esposito, Stanislao; Massimiliano, Pasqui, (2013) Functional clustering for Italian climate zones identification, *THEORETICAL AND APPLIED CLIMATOLOGY*,114,1-2, 39-54 Springer 10.1007/s00704-012-0801-0
49. Arima, Serena; Alberto, Basset; JONA LASINIO, Giovanna; Alessio, Pollice; Ilaria, Rosati, (2013) A hierarchical Bayesian model for the ecological status classification of lagoons, *ECOLOGICAL MODELLING*,263, 187-195 ELSEVIER SCIENCE BV 10.1016/j.ecolmodel.2013.05.006
50. JONA LASINIO, Giovanna; Gianluca, Mastrantonio; Alessio, Pollice, (2013) Discussing the "big n problem", *STATISTICAL METHODS & APPLICATIONS*,22,1, 97-112 SPRINGER HEIDELBERG 10.1007/s10260-012-0207-2
51. Emma, Calabrese; Francesca, Zorzi; Sara, Zuzzi; Shinya, Ooka; Sara, Onali; Carmelina, Petruzzello; JONA LASINIO, Giovanna; Livia, Biancone; Carla, Rossi; Francesco, Pallone, (2012) Development of a numerical index quantitating small bowel damage as detected by ultrasonography in Crohn's disease, *JOURNAL OF CROHN'S AND COLITIS*,6,8, 852-860 ELSEVIER SCIENCE BV 10.1016/j.crohns.2012.01.015
52. Francesco, Tonini; JONA LASINIO, Giovanna; H., Hochmair Hartwig; G. J., Lasinio; Hartwig H., Hochmair, (2012) Mapping return levels of absolute NDVI variations for the assessment of drought risk in Ethiopia, *INTERNATIONAL JOURNAL OF APPLIED EARTH OBSERVATION AND GEOINFORMATION*,18,1, 564-572 ELSEVIER SCIENCE BV 10.1016/j.jag.2012.03.018
53. Arima, Serena; Lorenza, Cretarola; JONA LASINIO, Giovanna; Alessio, Pollice, (2012) Bayesian Univariate Space - Time Hierarchical Models for Mapping Pollutant Concentrations in the Municipal Area of Taranto, *STATISTICAL METHODS & APPLICATIONS*,21,1, 75-91 HEIDELBERG, GERMANY: SPRINGER HEIDELBERG 10.1007/s10260-011-0178-8
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