

PERSONAL INFORMATION

Giovanna Jona Lasinio

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Nationality Italian

POSITION

Department Head – Full Profssor

ACADEMIC POSITION AND CAREER

Since 1st November 2022 Head of the Department of Statistical sciences.

November 2022–October 2023 Coordinator of the PhD program “School in Statistical Sciences”.

Since 1st March 2019 Full professor “Statistics for experimental sciences and technology” (SECS-S/02) – Department of Statistical Science” - Sapienza University of Rome

From November 2001 to 28th February 2019 Associate Professor Statistics for experimental sciences and technology” (SECS-S/02), Department of Statistical Science – Faculty of Information Engineering, Computer science and Statistics - Sapienza University of Rome

SCIENTIFIC / TECHNICAL
QUALIFICATION
(NOT BIBLIOMETRIC SSD)

IRIS REPORT: **Assessment Committee Member thresholds**

Value	Indicator	Thresholds Assessment Committee member
57	Articles/contributes over the last 10 years	26
41	Class A articles over the last 15 years	11
0	Books over the last 15 years	0

EDUCATION

1990 Master graduation in Statistics and Demography 110 cum laude thesis: “Tables and distribution of the Moran and Geary's indices under normal exchangeable variates for random and purposive sampling designs” (Prof. Franca Gallo and G.B. Tranquilli tutors), University of Rome “La Sapienza”.

1993 PhD in Statistics, University of Rome “La Sapienza”, with a thesis on MonteCarlo Markov Chains algorithms for dependent data (Prof. P. Piccioni tutor).

1994-1995 Postdoc at the Istituto per le Applicazioni del Calcolo – CNR

PROFESSIONAL EXPERIENCE

from 2002 until now

Academic appointments

1995-2001 Università di Roma "La Sapienza" Assistant professor (Ricercatore)
 2001 February- 2019 Università di Roma "La Sapienza" Associate Professor
 March 2019 - at present Università di Roma "La Sapienza" Full professor
 November 2022 at present Head of Department of Statistical Science
 January 1999 June 1999 Rice University Lecturer
 1998-2010 Rice University(3 months), Duke University (1 month at a time working with A.E. Gelfand) Visiting Scholar in several occasion

Other non academic appointments

2011-2015 The International Environmetrics Society European Regional Representative
 2016-2018 The Environmental Section of International Society for Bayesian Analysis Publication Officer
 2017-2019 The Environmental Section of International Society for Bayesian Analysis Secretary

Consulting projects

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 Università 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

Teaching experiences - Academic teaching in Undergraduate and Postgraduate Degree Courses – Masters and Doctorate Schools

1995-1998 Università di Roma Sapienza, DSPSA, Faculty of Statistics Inferential Statistics (Prof. Badaloni), Measure theory (part of Calculus II)
 1998-2000 Università di Roma Sapienza, DSPSA, Faculty of Statistics Sample theory, Environmental Statistics
 1999 Rice University Department of Statistics Graduate course in statistical modeling **(graduate)**
 2001-2004 Università di Roma Sapienza, DSPSA, Faculty of Statistics Laboratory of demography and statistics, Sample theory (**undergraduate**),
 2001 – 2010 Università di Roma Sapienza, DSPSA (now DSS), Faculty of Statistics Laboratory of demography and statistics (**undergraduate**)
 2001 at present Università di Roma Sapienza, DSPSA (now DSS), Faculty of Statistics Environmental Statistics (**graduate**)
 2009 Università di Roma Sapienza, DSPSA (now DSS), Faculty of Statistics Advanced Data Analysis (**Phd** in methodological Statistics)
 2009 Università della Tuscia, Biology Multivariate Analysis – Short course for the Phd program in ecology
 2009 Università di Roma "La Sapienza", Facoltà di Scienze MFN Statistics for environmental data (**graduate** in Biology)

2010-2012 Università di Roma "La Sapienza", Facoltà di Scienze MFN Statistics for the natural sciences(**graduate** in Natural Sciences)
 2013 at present Università di Roma "La Sapienza", Facoltà di Scienze MFN Statistics (**graduate** in Biology and Natural Sciences)
 2022 Università di Roma "La Sapienza", Advanced Data Analysis (**Phd** School in Statistical Sciences and Phd in Environmental Biology)
 2019 – at present Università di Roma "La Sapienza" Data visualization (**II Level Master** in "Big Data. Statistical Methods for the Knowledge Society)

Supervisor Phd Thesis (selected):

2024 G. Di Fonzo " Searching for optimal approaches in environmental classification and regression" (Phd in Statistics)
 2023 M.L. Menditto "Sviluppo di un modello previsivo dei costi per la manutenzione e gestione dell'edilizia scolastica su edifici scolastici della Città metropolitana di Roma" (Phd in Statistics)
 2022 M. Mingione "On the wide applicability of Bayesian hierarchical models" (Phd in Statistics)
 2022 S. Moro " New insights on the ecology and conservation of Mediterranean sharks: the contribution of Citizen Science networks and novel analysis approaches, with a particular attention to the Mediterranean White Shark " (Phd in Environmental Biology)
 2021 F. Onori "Official Statistics and Sustainable Development Goals (SDGs): statistical tools for handling complexity and comparability across countries" (Phd in Statistics)
 2021 P. Alaimo Di Loro "Innovative approaches in spatio-temporal modeling: handling data collected by new technologies" (Phd in Statistics)
 2015 G. Mastrantonio "Temporal And Spatio-Temporal Models For Circular And Circular-Linear Data" (Phd in Statistics)
 2012 N. Golini "Bayesian Modeling for Presence only data" (Phd in Statistics)
 2009 C. Ferrari "The wrapping approach for circular data Bayesian modeling" (Phd in Statistics)
 2004 M. Bultrini "A nonparametric approach to spatial autoregressive models" (Phd in Statistics)
 2004 A. Orasi "Ricostruzione di campi di pioggia tramite modelli spazio-temporali per l'analisi di incremento artificiale delle precipitazioni" (Phd in Statistics)
 2002 S. Loriga- "Problemi di stima per dati spaziali multivariati" (Phd in Statistics)
 1998 A. Capobianchi - "Analisi di dati spaziali multivariate" (Phd in Statistics)

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

Commitment in Scientific Review/Journal Board

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. Journal of Royal Statistical Society Series C

PUBLICATIONS

Selected publications

1. Giovanna Jona Lasinio, (1990), Tables and distribution of the Moran and Geary's indices under normal exchangeable variates for random and purposive sampling designs, *METRON*, **48**, 559-586, ISSN:0026-1424, DOI:
2. G. JONA LASINIO; DI BELLA G., (1996), Including Spatial Contiguity Information in the Analysis of Multispecific Patterns, *ENVIRONMENTAL AND ECOLOGICAL STATISTICS*, **3**, 269-280, ISSN:1352-8505, DOI:
3. JONA-LASINIO G; M. PICCIONI; RAMPONI A, (1999), SELECTION OF IMPORTANCE WEIGHTS FOR MONTE CARLO ESTIMATION OF NORMALIZING CONSTANTS, *COMMUNICATIONS IN STATISTICS. SIMULATION AND COMPUTATION*, **28**, 441-462, ISSN:0361-0918, DOI:10.1007/springerreference_205557
4. Giovanna Jona Lasinio, (2001), Modeling and exploring multivariate spatial variation: A test procedure for isotropy of multivariate spatial data, *JOURNAL OF MULTIVARIATE ANALYSIS*, **77**, 295-317, ISSN:0047-259X, DOI:10.1006/jmva.2000.1938
5. BRUTTI P.; FABI F.; G. JONA LASINIO, (2002), Una proposta di Meta-Analisi basata sulla combinazione di classificatory per il problema del riconoscimento del parlatore, *STATISTICA*, **3**, 455-473, ISSN:0390-590X, DOI:
6. Pierpaolo Brutti; Francesco Fabi; Giovanna Jona Lasinio, (2002), Speaker Recognition: a proposal for a meta-analysis based on hierarchical combination of classifiers, *STATISTICA*, **3**, 455-473, ISSN:1973-2201, DOI:10.1016/j.ecolmodel.2004.05.016
7. G. JONA LASINIO; LAGONA F., (2003), Selection of the neighborhood structure for space-time Markov random fields models, *STATISTICAL METHODS & APPLICATIONS*, **11**, 293-311, ISSN:1618-2510, DOI:
8. Daniela Ottaviani; Giovanna Jona Lasinio; Luigi Boitani, (2004), Two statistical methods to validate habitat suitability models using presence-only data, *ECOLOGICAL MODELLING*, **179**, 417-443, ISSN:0304-3800, DOI:doi:10.5705/ss.2013.204w
9. SAHU S.K.; G. JONA LASINIO; ORASI A.; MARDIA K.V., (2005), A Comparison of Spatio-Temporal Bayesian Models for Reconstruction of Rainfall Fields in a Cloud Seeding Experiment, *JOURNAL OF MATHEMATICS AND STATISTICS*, **1 (4)**, 273-281, ISSN:1549-3644, DOI:10.1080/00949655.2016.1183921
10. Chiara Alisi; Giovanna Jona Lasinio; Claudia Dalmastri; Annarosa Sprocati; Silvia Tabacchioni; Annamaria Bevivino; Luigi Chiarini, (2005), Metabolic profiling of Burkholderia cenocepacia, Burkholderia ambifaria, and Burkholderia pyrrocinia isolates from maize rhizosphere, *MICROBIAL ECOLOGY*, **50**, 385-395, ISSN:0095-3628, DOI:10.1016/j.ecolind.2017.04.058
11. Orasi; Giovanna Jona Lasinio, (2006), Statistical aspects of rainfall fields in Southern Italy during a rain enhancement experiment, *ENVIRONMETRICS*, **17**, 777-793, ISSN:1180-4009, DOI:10.1002/env.793
12. G. JONA LASINIO; DIVINO F; BIGGERI A, (2007), Environmental Risk Assessment in the Tuscany Region: a Proposal, *ENVIRONMETRICS*, **18**, 315-333, ISSN:1180-4009, DOI:10.1002/env.831
13. G. JONA LASINIO; POLLICE A, (2009), Two Approaches to Imputation and Adjustment of Air Quality Data from a Composite Monitoring Network, *JOURNAL OF DATA SCIENCE*, **7**, 43-59, ISSN:1680-743X, DOI:
14. ORASI A; G. JONA LASINIO; FERRARI C, (2009), Comparison of calibration methods for the reconstruction of space-time rainfall fields in Southern Italy, *ENVIRONMETRICS*, **20**, 812-834, ISSN:1180-4009, DOI:10.1002/env.956
15. D. OTTAVIANI; M. PANZACCHI; G. JONA LASINIO; P. GENOVESI; L. BOITANI, (2009), Modelling semi-aquatic vertebrates' distribution at the drainage basin scale: The case of the otter Lutra lutra in Italy, *ECOLOGICAL MODELLING*, **220**, 111-121, ISSN:0304-3800, DOI:10.1002/env.2326
16. Francesco Colloca; Valerio Bartolino; Giovanna Jona Lasinio; G.J. Lasinio; Luigi Maiorano; P. Sartor; Domenico Ardizzone, (2009), Identifying fish nurseries using density and persistence measures, *MARINE ECOLOGY PROGRESS SERIES*, **381**, 287-296, ISSN:0171-8630, DOI:10.1016/j.ecss.2017.04.014
17. Luigi Maiorano; Valerio Bartolino; Francesco Colloca; A. Abella; Andrea Belluscio; Paolo Carpentieri; Alessandro Criscoli; Giovanna Jona Lasinio; G.J. Lasinio; A. Mannini; F. Pranovi; B. Reale; G. Relini; C. Viva; Domenico Ardizzone, (2009), Systematic conservation planning in the Mediterranean: a flexible tool for the identification of no-take marine protected areas, *ICES JOURNAL OF MARINE SCIENCE*, **66**, 137-146, ISSN:1054-3139, DOI:10.3390/biology10040275

18. Alessio Pollice; Giovanna Jona Lasinio, (2010), Spatiotemporal analysis of the PM10 concentration over the Taranto area, ENVIRONMENTAL MONITORING AND ASSESSMENT, **162**, 177-190, ISSN:0167-6369, DOI:10.1007/s10661-009-0786-z
19. Alessio Pollice; Giovanna Jona Lasinio, (2010), A multivariate approach to the analysis of air quality in a high environmental risk area, ENVIRONMETRICS, **21**, 741-754, ISSN:1180-4009, DOI:10.1002/env.1059
20. Giovanna Jona Lasinio; Alessio Pollice, (2011), An explicit link between Gaussian fields and Gaussian Markov random fields: the stochastic partial differential equation approach, JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B STATISTICAL METHODOLOGY, **73**, 423-498, ISSN:1369-7412, DOI:10.1111/j.1467-9868.2011.00777.x
21. Alessio Pollice; Giovanna Jona Lasinio, (2012), Major PM10 source location by a spatial multivariate receptor model, ENVIRONMENTAL AND ECOLOGICAL STATISTICS, **19**, 57-72, ISSN:1352-8505, DOI:10.1007/s10651-011-0173-0
22. Jona Lasinio, Giovanna; Gelfand, Alan; Jona-Lasinio, Mattia, (2012), SPATIAL ANALYSIS OF WAVE DIRECTION DATA USING WRAPPED GAUSSIAN PROCESSES, THE ANNALS OF APPLIED STATISTICS, **6**, 1478-1498, ISSN:1932-6157, DOI:10.1080/00949655.2020.1725008
23. Serena Arima; Lorenza Cretarola; Giovanna Jona Lasinio; Alessio Pollice, (2012), Bayesian Univariate Space - Time Hierarchical Models for Mapping Pollutant Concentrations in the Municipal Area of Taranto, STATISTICAL METHODS & APPLICATIONS, **21**, 75-91, ISSN:1618-2510, DOI:10.1016/j.ecolind.2020.106144
24. Francesco Tonini; Giovanna Jona Lasinio; 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**, 564-572, ISSN:1569-8432, DOI:10.1002/rse2.178
25. Emma Calabrese; Francesca Zorzi; Sara Zuzzi; Shinya Ooka; Sara Onali; Carmelina Petruzzello; Giovanna Jona Lasinio; 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**, 852-860, ISSN:1873-9946, DOI:10.1111/faf.12432
26. Giovanna Jona Lasinio; Gianluca Mastrantonio; Alessio Pollice, (2013), Discussing the "big n problem, STATISTICAL METHODS & APPLICATIONS, **22**, 97-112, ISSN:1618-2510, DOI:10.1214/12-aos576
27. Edmondo Di Giuseppe; Giovanna Jona Lasinio; Esposito Stanislao; Massimiliano Pasqui, (2013), Functional clustering for Italian climate zones identification, THEORETICAL AND APPLIED CLIMATOLOGY, **114**, 39-54, ISSN:0177-798X, DOI:10.1016/j.ecolind.2017.05.037
28. Serena Arima; Alberto Basset; Giovanna Jona Lasinio; Alessio Pollice; Ilaria Rosati, (2013), A hierarchical Bayesian model for the ecological status classification of lagoons, ECOLOGICAL MODELLING, **263**, 187-195, ISSN:0304-3800, DOI:10.5705/ss.202016.0067
29. Alberto Basset; Enrico Barbone; Angel Borja; Michael Elliott; Giovanna Jona Lasinio; Joao Carlos Marques; Krysia Mazik; Inigo Muxika; Joao Magalhaes Neto; Sofia Reizopoulou; Ilaria Rosati; Heliana Teixeira, (2013), Natural variability and reference conditions: setting type-specific classification boundaries for lagoon macroinvertebrates in the Mediterranean and Black Seas, HYDROBIOLOGIA, **704**, 325-345, ISSN:0018-8158, DOI:10.1101/2022.01.07.22268869
30. Daniele Ventura; Giovanna Jona Lasinio; Domenico Ardizzone, (2014), Temporal partitioning of microhabitat use among four juvenile fish species of the genus Diplodus (Pisces: Perciformes, Sparidae), MARINE ECOLOGY, **36**, 1013-1032, ISSN:0173-9565, DOI:
31. Francesco Tonini; Fabio Divino; Giovanna Jona Lasinio; H. Hochmair Hartwig; H. Scheffrahn Rudolf, (2014), Predicting the geographical distribution of two invasive termite species from occurrence data, ENVIRONMENTAL ENTOMOLOGY, **5**, 1135-1144, ISSN:0046-225X, DOI:10.1111/ppa.13362
32. 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, ISSN:0924-7963, DOI:10.4408/IJEGE.2018-01.O-01
33. 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, ISSN:1017-0405, DOI:http://dx.doi.org/10.2478/JOS-2021-0008
34. Fabio Divino; Natalia Golini; Giovanna Jona Lasinio; Antti Pettinen, (2015), Bayesian logistic regression for presence-only data, STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, **29**, 1721-1736, ISSN:1436-3240, DOI:10.1007/s11749-015-0458-y
35. Gianluca, Mastrantonio; Antonello, Maruotti; JONA LASINIO, Giovanna, (2015), Bayesian Hidden Markov Modelling Using Circular-Linear General Projected Normal Distribution, ENVIRONMETRICS, **26**, 145-158, ISSN:1180-4009, DOI:10.1007/s00477-015-1064-y

36. 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, ISSN:1436-3240, DOI:10.1016/j.biocon.2021.109397
37. Giovanna Jona-Lasinio; Maria Letizia Costantini; Edoardo Calizza; Alessio Pollice; Flavia Bentivoglio; Lucia Orlandi; Giulio Careddu; Loreto Rossi, (2015), Stable isotope-based statistical tools as ecological indicator of pollution sources in Mediterranean transitional water ecosystems, *ECOLOGICAL INDICATORS*, **55**, 23-31, ISSN:1470-160X, DOI:10.1016/j.marpolbul.2017.11.063
38. Pollice, Alessio; Jona Lasinio, Giovanna, (2016), Introduction, *JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION*, **86**, 2495-2496, ISSN:0094-9655, DOI:
39. 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**, 2231-2242, ISSN:1436-3240, DOI:10.1007/s10260-012-0207-2
40. Mastrantonio, Gianluca; Jona Lasinio, Giovanna; Gelfand, Alan E., (2016), Spatio-temporal circular models with non-separable covariance structure, *TEST*, **25**, 331-350, ISSN:1133-0686, DOI:10.1007/s00477-015-1163-9
41. Ventura, Daniele; Bruno, Michele; Jona Lasinio, Giovanna; Belluscio, Andrea; Ardizzone, Giandomenico, (2016), A low-cost drone based application for identifying and mapping of coastal fish nursery grounds, *ESTUARINE, COASTAL AND SHELF SCIENCE*, **171**, 85-98, ISSN:0272-7714, DOI:10.1016/j.jmarsys.2013.10.007
42. 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**, 1-19, ISSN:0323-3847, DOI:10.1016/j.ecolind.2017.04.007
43. Jona Lasinio, Giovanna; Pollice, Alessio; Marcon, Āric; 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, ISSN:1470-160X, DOI:10.1007/s10260-011-0178-8
44. Mastrantonio Gianluca, Lasinio Giovanna Jona, Maruotti Antonello, Calise Gianfranco, (2017), Invariance properties and statistical inference for circular data, *STATISTICA SINICA*, **1**, 1-30, ISSN:1017-0405, DOI:10.1007/s00704-012-0801-0
45. Casoli, E; Nicoletti, L.; Mastrantonio, G.; Jona-Lasinio, G.; Belluscio, A.; Ardizzone, G.D., (2017), Scuba diving damage on coralligenous builders. Bryozoan species as an indicator of stress, *ECOLOGICAL INDICATORS*, **74**, 441-450, ISSN:1470-160X, DOI:10.1007/s00477-014-0885-4
46. 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, ISSN:1470-160X, DOI:
47. Ventura, Daniele; Bonhomme, Vincent; Colangelo, Paolo; Bonifazi, Andrea; Jona Lasinio, Giovanna; Ardizzone, Domenico, (2017), Does morphology predict trophic niche differentiation? Relationship between feeding habits and body shape in four co-occurring juvenile species (Pisces: Perciformes, Sparidae), *ESTUARINE, COASTAL AND SHELF SCIENCE*, **191**, 84-95, ISSN:0272-7714, DOI:10.1002/jmv.27529
48. 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, ISSN:0272-7714, DOI:10.1016/j.ecss.2018.05.020
49. Casoli, E.; Ventura, D.; Cutroneo, L.; Capello, M.; Jona-Lasinio, G.; Rinaldi, R.; Criscoli, A.; Belluscio, A.; G. D., Ardizzone, (2017), Assessment of the impact of salvaging the Costa Concordia wreck on the deep coralligenous habitats, *ECOLOGICAL INDICATORS*, **80**, 124-134, ISSN:1470-160X, DOI:10.1016/j.ecss.2016.12.013
50. 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, ISSN:1470-160X, DOI:10.1214/18-AOAS1212
51. Gianfranco CALISE, Giovanna JONA LASINIO, Gianluca MASTRANTONIO, Antonello BRUSCHI, Lina DAVOLI, (2018), Short term change of sea climate and influence on the littoral of Belvedere Marittimo (Cosenza - Italy), *ITALIAN JOURNAL OF ENGINEERING GEOLOGY AND ENVIRONMENT*, **1**, 5-24, ISSN:1825-6635, DOI:10.1603/en13312
52. 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, ISSN:0272-7714, DOI:10.3354/meps07942
53. 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, ISSN:0025-326X, DOI:10.1016/j.ecolind.2020.106663
 54. 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, ISSN:0167-7152, DOI:10.1111/maec.12198
 55. 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, ISSN:0025-326X, DOI:10.1016/j.ecolind.2016.12.005
 56. 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**, 797-823, ISSN:1932-6157, DOI:10.1007/s00248-005-0223-y
 57. Federica Onori; Giovanna Jona Lasinio, (2020), Modeling "Equitable and Sustainable Well-being" (BES) Using Bayesian Networks: A Case Study of the Italian Regions, *SOCIAL INDICATORS RESEARCH*, , -, ISSN:1573-0921, DOI:10.1007/s11205-020-02406-8
 58. Giovanna Jona Lasinio; Mario Santoro; Gianluca Mastrantonio, (2020), CircSpaceTime: an R package for spatial and spatio-temporal modelling of circular data, *JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION*, , 1315-1345, ISSN:0094-9655, DOI:10.3390/f12070916
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Invited intervention to National scientific conferences, round tables, seminars,

and workshops

Selected 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 if 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)

Fragasso, T., Raggi, V., Passaro, D. *et al.* Predicting acute kidney injury with an artificial intelligence-driven model in a pediatric cardiac intensive care unit. *J Anesth Analg Crit Care* 3, 37 (2023). <https://doi.org/10.1186/s44158-023-00125-3>

Ceccarelli, E.; Minelli, G.; Egidi, V.; Jona Lasinio, G. Assessment of Excess Mortality in Italy in 2020–2021 as a Function of Selected Macro-Factors. *Int. J. Environ. Res. Public Health* 2023, 20, 2812. <https://doi.org/10.3390/ijerph20042812>

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Caruso, G., Di Loro, P. A., Mingione, M., Tardella, L., Pace, D. S., & Jona Lasinio, G. (2023). Finite mixtures in capture–recapture surveys for modeling residency patterns in marine wildlife populations. *Biometrical Journal*, 66(1), 2200350. <https://doi.org/10.1002/bimj.202200350>

Associations' membership

Member of the Italian Statistical Society, member of the International Environmetrics Society, member of the International Statistical Institute.

PERSONAL SKILLS

Mother tongue(s) 5th dan Aikido Hombu Dojo Aikikai Japan
Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Spanish	C1	C1	C1	C1	B2
French	B1	B1	B1	B1	B2

Digital competencies

Level: advanced professional level
Tools: R, SPSS, JAGS, Fortran.
Type: softwares for statistical data analysis
Level: advanced professional level
Tools: Word, Excel, Access, Power Point, Outlook
Type: applications
Level: advanced professional level
Tools: Internet explorer, Netscape communicator
Type: browsers
Level: advanced professional level
Tools: MS Publisher 95, Page Mill,
Type: applications

"According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV"

Rome, 27 May 2024

Giovanna Jona Lasinio