RESUME, February 2025

Personal Data

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Current Status

- Full professor in Statistics and Operations Research, Universitat de València (Spain).
- Adjunct professor in Università Cattolica del Sacro Cuore (UCSC), Milan (Italy).
- Coordinator of the Biostatnet Research Network (biostatnet.com).
- Editor in Chief SORT (Statistics and Operations Research Transactions).
- Associate Editor RevStat-Statistical Journal.

Degrees (education background)

- (1985) First Certificate in English. University of Cambridge (UK).
- (1991) B.A. in Mathematics. Speciality on Statistics and Operations Research. Universitat de València (Spain).
- (2000) Ph. D. Universitat de València. Thesis title: "Inference and Prediction in bulk arrival and bulk service queues". Advisor: Carmen Armero.

Employment background

- (1993-2002) Assistant Lecturer (Profesor Asociado) at the Department of Statistics and Operations Research. Universitat de València.
- (2002-2019) Permanent Lecturer (Profesor Titular de Universidad) at the Department of Statistics and Operations Research. Universitat de València.
- (2019-) Full professor (Catedrático de Universidad) at the Department of Statistics and Operations Research. Universitat de València.

Other positions held

- Member on 40 Research Projects.
- Participant on 24 Contracts with firms and governamental institutions.
- Participant of 18 Funding projects for organizing Workshops.
- Fall 1998: Visiting Scholar at Duke University (USA).
- Fall 2004: Visiting Lecturer at Lancaster University (UK).
- Spring 2010: Research Fellow in the research program Space-Time Analysis for Environmental Mapping, Epidemiology and Climate Change held at SAMSI (USA).
- Associate Editor of Test: an international journal of statistics and probability, sponsored by the Spanish Society of Statistics and Operations Research (June 2014 – December 2020).
- Head of the Department of Statistics and Operations Research, Universitat de València (Spain); from June 2023 till February 2025.

Interests

- Bayesian Statistical Analysis of Queues, Inventories and Stochastic Processes in general,
- Analysis of waiting lists for transplants,
- Sensitivity analysis of efficiency and productivity indices,
- Bayesian Spatio-Temporal models for determining species distribution,
- Statistical methods for the early detection of epidemics.

Professional societies

- President of the Spanish Region of the International Biometric Society (2014-2015).
- Vicepresident of the Spanish Region of the International Biometric Society (2013 and 2016).
- Member of the Executive Board of the Spanish Region of the International Biometric Society (2010-2017).
- Member of the International Biometric Society Council (July 2013-June 2015).
- Member of Spanish Society of Statistics and Operations Research (since 1994).
- Member of International Society for Bayesian Analysis (since 1994).
- Member of International Biometric Society (since 1995).

Articles submitted

1. M. Figueira, D. Conesa, A. López-Quílez, I. Paradinas (2024). A computationally efficient procedure for combining ecological datasets by means of approximated integrated models.

2. A. Fuster-Alonso J. Mestre-Tomás, J.C. Baez, M.G. Pennino, X. Barber, J.M. Bellido, D. Conesa, A. López-Quílez, J. Steenbeek, V. Christensen, M. Coll (2024). Machine learning applied to global scale species distribution models.

3. F. Beluzan, A. Vicent, D. Conesa, F. Torrentí, D. Olmo, M. León, P. Abad-Campos, J Armengol (2024). Effect of weather variables on the inoculum dispersal of Diaporthe amygdali, causal agent of twig canker and shoot blight of almonds.

Articles accepted for publication

1. M. Cendoya, A. Navarro-Quiles, A. López-Quílez, A. Vicent and D. Conesa. An individual-based spatial epidemiological model for the spread of plant diseases. *Journal of Agricultural, Biological, and Environmental Statistics*, **in press**.

2. Z. García-Tórtola, D. Conesa, J. Crespo, E. Tortosa-Ausina. Unlocking University Efficiency: A Bayesian Stochastic Frontier Analysis. *International Transactions in Operations Research*, **in press**.

3. M. Figueira Pereira, C. Guarner, D. Conesa, A. López-Quílez, T. Krisztin. Unveiling land use dynamics: Insights from a hierarchical Bayesian spatio-temporal modelling of Compositional Data. *Journal of Agricultural, Biological, and Environmental Statistics*, **in press**.

Articles published

1. M.C. Rosace, D. Conesa, A. López-Quílez, L. Marini, M.A. Martinez-Beneito, D. Nardi, V. Rossi, A. Vicent, M. Cendoya (2025). Hotspot mapping of pest introductions in the EU: A regional analysis of environmental, anthropogenic and spatial effects. *Biological Invasions*, **27**:18.

2. I. Anguelovski, E. Oscilowicz, J.T. Connolly, M. García-Lamarca, C. Pérez del Pulgar, H.V.S. Cole, D. Immergluck, M. Triguero-Mas, F. Baró, N. Martin, D. Conesa, G. Shokry, L. Arguelles-Ramos, A. Matheney, E. Gallez, J. López-Máñez, B. Sarzo, M.A. Beltrán, J. Martínez-Minaya (2024). Does greening generate exclusive residential real estate development? Contrasting experiences from North America and Europe. *Urban Forestry and Urban Greening*, **101**, 128376.

3. M. Cendoya, E. Lázaro, A. Navarro-Quiles, A. López-Quílez, D. Conesa and A. Vicent (2024). Performance of outbreak management plans for emerging plant diseases: the case of almond leaf scorch caused by *Xylella fastidiosa* in mainland Spain. *Phytopathology*, **114**(7), 1566-1576.

4. M. Figueira, X. Barber, D. Conesa, A. López-Quílez, J. Martínez-Minaya, I. Paradinas, M.G. Pennino (2024). Bayesian feedback in the framework of ecological sciences. *Ecological Informatics*, **84**, 102858.

5. M. Figueira Pereira, D. Conesa, A. López-Quílez (2024). A Shiny R app for spatial analysis of Species Distribution Models. *Ecological Informatics*, **80**, 102542.

6. A. Fuster-Alonso, D. Conesa, M. Cousido-Rocha, F. Izquierdo, S. Cerviño, I. Paradinas, M.G. Pennino (2024). Accounting for spatio-temporal and sampling dependence in survey and CPUE biomass indices: simulation and modeling framework. *ICES Journal of Marine Science*, **81**(5), 984–995.

7. M. González-Warleta, J.A. Castro-Hermida, M. Figueira, J. López, D. Conesa, A. López-Quílez, F.M. Ubeira, M. Mezo (2024). Bayesian hierarchical modelling of the geospatial distribution of fasciolosis in dairy cattle and the impact on production: Application to the main milk-producing region (Galicia) in Spain. *Veterinary Parasitology*, **325**, 110091.

8. J. Martínez-Minaya, F. Lindgren, D. Simpson, A. López-Quílez and D. Conesa (2023). The Integrated Nested Laplace Approximation for fitting Dirichlet regression models. *Journal of Computational and Graphical Statistics*, **32**(3), 805—823.

9. L. Rodrigues, E. Kikuchi, P. Kinas, D. Conesa, MG Pennino, F. Barbosa and L. Cardoso (2023). Modelling the distribution of marine fishery resources: where are we? *Fish and Fisheries*, **24**(1), 159–175.

10. L. Rodrigues, N. W. Daudt, L.G. Cardoso, P. G. Kinas, D. Conesa, M.G. Pennino (2023). Species distribution modelling in the Southwestern Atlantic Ocean: trends and perspectives. *Ecological Modelling*, **486**, 110514.

11. B. Sarzo, J. Martínez-Minaya, M.G. Pennino, D. Conesa, M. Coll (2023). Modelling seabirds biodiversity through Bayesian Spatial Beta regression models: A proxy to inform marine protected areas in the Mediterranean Sea. *Marine Environmental Research*, **185**, 105860.

12. I. Anguelovski, J. J. T. Connolly, H. Cole, M. Garcia-Lamarca, M. Triguero-Mas, F. Baró, N. Martin, D. Conesa, G. Shokry, C. Pérez del Pulgar, L. Argüelles-Ramos, A. Matheney, E. Gallez, E. Oscilowicz, J. López-Máñez, B. Sarzo, M.A. Beltrán, J. Martinez-Minaya (2022). Green gentrification in European and North American Cities. *Nature Communications*, **13**:3816. *One of the Top 25 Social Science and Human Behaviour Downloaded Articles of 2022 in the Journal.* More in https://www.nature.com/collections/dccbbcbgii

13. J. Carmezim, M. G. Pennino, J. Martinez-Minaya, D. Conesa, M. Coll (2022). A mesoscale analysis of relations between fish species richness and environmental and anthropogenic pressures in the Mediterranean Sea. *Marine Environmental Research*, **180**, 105702.

14. M. Cendoya, A. Hubel, D. Conesa and A. Vicent (2022). Modeling the spatial distribution of *Xylella fastidiosa*. A non-stationary approach with dispersal barriers. *Phytopathology*, **112**, 1036–1045.

15. D. Conesa (2022). Grupo de trabajo de Bioestadística. *BEIO*, **38**(2), 70-72. (In Spanish).

16. I. Paradinas, J. Giménez, D. Conesa, A. López-Quílez and M.G. Pennino (2022). Evidence for spatiotemporal shift in demersal fisheries management priority areas in the western Mediterranean. *Canadian Journal of Fisheries and Aquatic Sciences*, **79**(10), 1641–1654.

17. M. Triguero-Mas et al. (2022). Exploring green gentrification in 28 Global North cities: the role of urban parks and other types of greenspace. *Environmental Research Letters*, **17**, 104035.

18. X. Barber, D. Conesa, A. López-Quílez, J. Martínez-Minaya, I. Paradinas and M.G. Pennino (2021). Incorporating Biotic Information In Species Distribution Models: A Corregionalised Approach. *Mathematics* (Special issue *Spatial Statistics with Its Application*), **9**(4), 417.

19. J. Carbonell-Caballero, A. López-Quílez, D. Conesa and J. Dopazo (2021). Deciphering Genomic Heterogeneity and the Internal Composition of Tumour Activities through a Hierarchical Factorization Model. *Mathematics* (Special issue *Models and Methods in Bioinformatics: Theory and Applications*), **9** (21), 2833.

20. F. Izquierdo, I. Paradinas, S. Cerviño, D. Conesa, A. Fernández, F. Velasco, I. Preciado, A. Punzón, F. Saborido-Rey and M. G. Pennino (2021). Spatio-temporal assessment of the European hake (*Merluccius merluccius*) recruits in the northern Iberian Peninsula. *Frontiers in Marine Science, section Marine Conservation and Sustainability*, **8**: 614675.

21. E. Lázaro, M. Sesé, D. Conesa, A. López-Quílez, V. Dalmau, A. Ferrer-Matoses and A.Vicent (2021). Tracking the outbreak. An optimized sequential adaptive strategy for *Xylella fastidiosa* delimiting surveys. *Biological Invasions*, **23**(10), 3243–3261.

22. J. Martínez-Minaya, D. Conesa, A. López-Quílez, J.L. Mira and A. Vicent (2021). Modelling Inoculum Availability of *Plurivorosphaerella nawae* in Persimmon Leaf Litter with Bayesian Beta Regression. *Phytopathology*, **111**(7), 1184–1192.

23. F. Ródenas-Rigla, D. Conesa, A. López-Quílez and E. Durá-Ferrandis (2021). A classification system for decision-making in the management of patients with chronic conditions. *Sustainability* (Special issue *Sustainable Healthcare: How to Assess and Improve Healthcare Structures' Sustainability)*), **13** (23), 13176.

24. B. Sarzo, R. King, D. Conesa and J. Hentati-Sundberg. Correcting bias in partially monitored populations using integrated models (2021). *Journal of Agricultural, Biological and Environmental Statistics*, **26**(2), 200–219.

25. R. Amorós, D. Conesa, A. López-Quílez and M.A. Martínez Beneito (2020). A spatio-temporal hierarchical Markov switching model for the early detection of influenza outbreaks. *Stochastic Environmental Research and Risk Assessment*, **34**(2), 275–292.

26. A. Castilla, B. Méndez-Vigo, A. Marcer, J. Martínez-Minaya, D. Conesa, X. Picó and C. Alonso-Blanco (2020). Ecological, genetic and evolutionary drivers of regional genetic differentiation in *Arabidopsis thaliana*. *BMC Evolutionary Biology*, **20:71**.

27. M. Cendoya, J. Martínez-Minaya, V. Dalmau, A. Ferrer, M. Saponari, D. Conesa, A. López-Quílez, A. Vicent (2020). Spatial Bayesian modeling applied to the surveys of *Xylella fastidiosa* in Alicante (Spain) and Apulia (Italy). *Frontiers in Plant Science*, **11**:1204.

28. M. Cendoya, E. Lázaro, D. Conesa, A. López-Quílez, V. Dalmau, A. Ferrer, F. Beitia, E. Marco-Noales, A. Vicent (2020). Aplicaciones de la modelización epidemiológica en la zona demarcada por *Xylella fastidiosa* en Alicante. *Phytoma España*, **321** (1), 38–44 (In Spanish).

29. R. Gómez-Calvet, D. Conesa, A. Gómez-Calvet and E. Tortosa-Ausina (2020). European Energy Efficiency evaluation based on the use of superefficiency under Undesirable Outputs in Slacks-Based Measure Models. In *Advances in Efficiency and Productivity II*, 193-208. Springer International Series in Operations Research and Management Sciences.

30. I. Paradinas, D. Conesa, A. López-Quílez, A. Esteban, L. Martín, J.M. Bellido, M.G. Pennino (2020). Identifying Mullidae species (*M. surmuletus* and *M. barbatus*) persistent hot-spots in the Western Mediterranean Sea. *Marine Ecology Progress Series*, **644**, 173–185.

31. V. Sanchis, F. Pardo, J.E. Farinós and D. Conesa (2020). Do Spanish IPO firms fit the continental European model for going public? *Spanish Journal of Finance and Accounting*, **49**(3): 345–369.

32. B. Sarzo, D. Conesa and R. King (2020). Cormack-Jolly-Seber models: time and age perspectives. *Stochastic Environmental Research and Risk Assessment*, **34**: 1683–1698.

33. X. Barber, D. Conesa, A. López-Quílez and J. Morales (2019). Multivariate Bioclimatic indices modelling: A coregionalised approach. *Journal of Agricultural, Biological and Environmental Statistics*, **24**(2), 225–244.

34. D. Conesa, R. Amorós, A. López-Quílez and M.A. Martínez Beneito (2019). Contributed discussion on: 'Dynamic Bayesian Influenza Forecasting in the United States with Hierarchical Discrepancy' by Osthus et al. (2019). *Bayesian Analysis*, **14**(1), 307–308.

35. J. Martínez-Minaya, D. Conesa, H. Bakka, M.G. Pennino (2019). Dealing with physical barriers in bottlenose dolphin Tursiops truncatus distribution. *Ecological Modelling*, **406**, 44–49.

36. J. Martínez-Minaya, D. Conesa, M.J. Fortin, C. Alonso-Blanco, F.X. Picó and A. Marcer (2019). A hierarchical Bayesian Beta regression approach to study the effects of geographical genetic structure and spatial autocorrelation on species distribution range shifts. *Molecular Ecology Resources*, **19**, 929–943. **Selected by Editor to Interviews with authors blog of the Journal**.

37. M.G. Pennino, I. Paradinas, J.B. Illian, F. Muñoz, J.M. Bellido, A. López-Quílez and D. Conesa (2019). Accounting for preferential sampling in species distribution models. *Ecology and Evolution*, **9**(1), 653–663.

38. B. Sarzo, C. Armero, D. Conesa, J. Hentati-Sundberg and O. Olsson (2019). Bayesian immature survival analysis of the largest colony of common murre in the Baltic Sea. *Waterbirds*, **42**(3): 304–313.

39. J. Martínez-Minaya, M. Cameletti, D. Conesa and M.G. Pennino (2018). Species distribution modeling: a statistical review with focus in spatio-temporal issues. *Stochastic Environmental Research and Risk Assessment*, **32**, 3227–3244.

40. R. Vilela, D. Conesa, J.L. del Rio, A. López-Quílez, J. Portela and J.M. Bellido (2018). Integrating fishing spatial patterns and strategies to improve High Seas fisheries management. *Marine Policy*, **94**: 132–142.

41. I. Paradinas, M. G. Pennino, A. López-Quílez, M. Marín, J. M. Bellido and D. Conesa (2018). Modelling spatialy sampled proportion processes. *REVSTAT, Statistical Journal*, **16**(1): 71–86.

42. J. Martínez-Minaya, D. Conesa, A. López-Quílez and A. Vicent (2018). Spatial and climatic factors associated with the geographical distribution of citrus black spot disease in South Africa. A Bayesian latent Gaussian model approach. *European Journal of Plant Pathology*, **151**(4), 991–1007.

43. M.Y. Rojas-Castro, M. Travanca, M. Ávalos-Fernandez, L. Orriols, D. Conesa, and E. Lagarde (2018). `MAVIE-Lab Sports`: a M-Health for injury prevention and risk management in sport. *In Proceedings of the 2018 International Conference on Digital Health (DH '18)*. ACM Publishers. Pages 158–159.

44. M.Y. Rojas-Castro, M. Travanca, M. Ávalos-Fernandez, L. Orriols, D. Conesa, and E. Lagarde (2018). `MAVIE-Lab Sports`: a M-Health for injury prevention and risk management in sport. *Injury Prevention*, **24**(Suppl 1): A10-A11.

45. X. Barber, D. Conesa, A. López-Quílez, A. Mayoral, J. Morales and A. Barber (2017). Bayesian hierarchical models for analysing the spatial distribution of bioclimatic indices. *SORT, Statistics and Operations Research Transactions*, **41**(2), 277–296.

46. I. Paradinas, D. Conesa, A. López-Quílez and J. M. Bellido (2017). Spatio-Temporal model structures with shared components for semi-continuous species distribution modelling. *Spatial Statistics*, **22**, 434–450.

47. J. Carbonell-Caballero, A. Amadoz, R. Alonso, M.R. Hidalgo, C. Çubuk, D. Conesa, A. López-Quílez and J. Dopazo (2017). Reference genome assessment from a population scale perspective: an accurate profile of variability and noise. *Bioinformatics*, **33**(22), 3511–3517.

48. M. Marco, A. López-Quílez, D. Conesa, E. Gracia and M. Lila (2017). Spatio-temporal analysis of suicide-related emergency calls. *Int. J. Environ. Res. Public Health*, **14**, 735.

49. J. Martínez-Minaya, D. Conesa, A. López-Quílez and A. Vicent (2017). "Response to the letter on "Climatic distribution of citrus black spot caused by Phyllosticta citricarpa. A historical analysis of disease spread in South Africa" by Fourie et al. (2017)". *European Journal of Plant Pathology*, **148** 503–508.

50. J. Martínez-Minaya, A. López-Quílez, D. Conesa, Jose Luis Mira y A. Vicent (2017). Un sistema predictivo para el control de la mancha foliar del caqui causada por *Mycospharella nawae*. *Phytoma España*, **286**, 20–23. (In Spanish).

51. M. G. Pennino, J.M. Bellido, D. Conesa, M. Coll and E. Tortosa-Ausina (2017). The analysis of convergence in ecological indicators: an application to the Mediterranean fisheries. *Ecological Indicators*, **78**, 449–457.

52. D. Conesa, P. Espinosa, A. Forte, E. Tortosa-Ausina (2016). ¿Existen demasiadas sucursales bancarias en España? Un análisis para el periodo 1999-2011. *Cuadernos Económicos de ICE*, **92**, 199–232. (In Spanish).

53. R. Gómez-Calvet, D. Conesa, A. Gómez-Calvet and Emili Tortosa-Ausina (2016). On the dynamics of eco-efficiency performance in the European Union. *Computers and Operations Research*, **66**, 336–350.

54. X. Barber, D. Conesa, S. Lladosa and A. López-Quílez (2016). Modelling the presence of disease under spatial misalignment using Bayesian latent Gaussian models. *Geospatial Health*, **11**(1):415.

55. A. Biggeri, D. Catelan, D. Conesa, and P. Vounatsou (2016). Spatio-temporal statistics: applications in epidemiology, veterinary medicine and ecology. *Geospatial Health*, **11**(1):469.

56. M. G. Pennino, D. Conesa, A. López-Quílez, F. Muñoz, A. Fernández and J. M. Bellido (2016). Fishery dependent and independent data lead to consistent estimations of essential habitats. *ICES Journal of Marine Science*, **73** (9), 2302–2310.

57. I. Paradinas, M. Marín, M. G. Pennino, A. López-Quílez, D. Conesa, D. Barreda, M. González, J. M. Bellido (2016). Identifying the best fishing-suitable areas under the new European discard ban. *ICES Journal of Marine Science*, **73** (10), 2479–2487, **selected as Editor's choice**.

58. L. Alamá, D. Conesa, A. Forte, E. Tortosa-Ausina (2015). The geography of Spanish bank branches. *Journal of Applied Statistics*, **42**(4): 722–744.

59. D. Conesa, M.A. Martínez-Beneito, R. Amorós and A. López-Quílez (2015). Bayesian Hierarchical Poisson Models with a hidden Markov structure for the detection of influenza epidemic outbreaks. *Statistical Methods in Medical Research*, **24**(2): 206–223.

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61. I. Paradinas, D. Conesa, M. G. Pennino, F. Muñoz, A. M. Fernández, A. López-Quílez, J. M. Bellido (2015). Bayesian spatio-temporal approach to identifying fish nurseries by validating persistence areas. *Marine Ecology Progress Series*, **528**: 245–255.

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63. J. Martínez-Minaya, D. Conesa, A. López-Quílez and A. Vicent (2015). Climatic distribution of citrus black spot caused by Phyllosticta citricarpa. A historical analysis of disease spread in South Africa. *European Journal of Plant Pathology*, **143**, 69–83.

64. M. G. Pennino, F. Muñoz, D. Conesa, A. López-Quílez, J. M. Bellido (2014). Bayesian spatio-temporal discard model in a demersal trawl fishery. *Journal of Sea Research*, **90**: 44–53.

65. R. Gómez-Calvet, D. Conesa, A. Gómez-Calvet and Emili Tortosa-Ausina (2014). Energy efficiency in the European Union: What can be learned from the joint application of directional distance functions and slacks-based measures? *Applied Energy*, **132**: 137–154.

66. A. Martínez-Abraín, D. Conesa and A. Forte (2014). Subjectivism is an unavoidable feature of ecological statistics. *Animal Biodiversity and Conservation*, **37**(2): 141–143.

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71. M. G. Pennino, F. Muñoz, D. Conesa, A. López-Quílez, J.M. Bellido (2012). Modelling sensitive elasmobranchs habitat. *Revista de Investigación Marina*, **19**(6), 519–523.

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75. C. Sánchez-Monzó, O. Vaamonde-Velazco, D. Conesa-Guillén, F. Gomar-Sancho (2010). Factores de riesgo en las fracturas de extremidad proximal de húmero. *Revista Española de Cirugía Osteoarticular*, **45**(244), 119–129. (In Spanish).

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78. A. Martínez-Abraín, D. Conesa and D. Oro (2008). Herramientas estadísticas para resolver contrastes de hipótesis con contenido biológico: su uso en Ecología del siglo XXI. *Acta Zoológica Mexicana (nueva serie)*, **24**(2), 201–220. (In Spanish).

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Former PhD Students

1. Roberto Gómez Calvet: Energy efficiency and environmental performance in the European Union. June 2013. Jointly supervised with E. Tortosa-Ausina.

2. Maria Grazia Pennino: *Implementing Ecosystem Approach to Fisheries Management: Advances and New tools*. July 2013. Jointly supervised with A. López-Quílez and J. M. Bellido.

3. Raúl Vilela Pérez: *Análisis espacio-temporal de un programa de observadores pesqueros: El caso de la flota española en las aguas internacionales de la plataforma patagónica*. September 2013. Jointly supervised with A. López-Quílez and J. M. Bellido.

4. Vicent Sanchis Berenguer. *Factores determinantes de la salida a bolsa de una compañía. El caso español*. December 2016. Jointly supervised with J. E. Farinós and F. Pardo.

5. Iosu Paradinas Aranjuelo: *Species distribution modelling in fisheries science*. January 2017. Jointly supervised with A. López-Quílez and J. M. Bellido.

6. Rubén Amorós Salvador: *Bayesian temporal and spatio-temporal Markov switching models for the detection of influenza outbreaks*. June 2017. Jointly supervised with M.A. Martínez-Beneito.

7. Joaquín Martínez Minaya. *Recent statistical advances and applications of species distribution modeling*. July 2019. Jointly supervised with A. Vicent.

8. Blanca Sarzo Carles. *New insights in Bayesian survival analysis in Ecology*. July 2020. Jointly supervised with C. Armero and J. Hentati.

9. José Carbonell Caballero. *Métodos estadísticos en el estudio de la variabilidad genómica en cáncer*. December 2021. Jointly supervised with A. López-Quílez and J. Dopazo.

10. Martina Cendoya Martínez. *Extensiones de los modelos de distribución de especies aplicados en fitopatología*. January 2024. Jointly supervised with A. Vicent.

Current PhD Students

- Alba Fuster Alonso. *Bayesian hierarchical spatio-temporal models for analysing the cumulative effects of global change and plausible future oceans*. To be completed in 2026. Jointly supervised with J.M. Bellido and M. Coll.

- Mario Figueira Pereira. *Dealing with high complexity in Spatio-Temporal models*. To be completed in 2025. Jointly supervised with A. López-Quílez.

- Ignacio De Saint-Malo Zamacola. *To de determined*. To be completed in 2028. Jointly supervised with D. March.

Participation on Thesis Committes

- Miguel-Ángel Martínez-Beneito, Universitat de València. Métodos estadísticos en la detección de focos de riesgo en brotes epidémicos. SUPERVISOR: Antonio López-Quílez. 2005.

- Virgilio Gómez Rubio, Universitat de València. Spatial Statistics in Epidemiological Information Systems. SUPERVISOR: Antonio López-Quílez. 2006.

- Mildred Domínguez Santiago, Universitat de València. Efecto de las políticas de recursos humanos en las empresas que incorporan de manera sistemática nuevas tecnologías. Un estudio de casos en empresas que operan en la Comunidad Valenciana. SUPERVISOR: Rafael Fernández Guerrero. 2007.

- Josep Xavier Barber Vallés, Universidad Miguel Hernández de Elche. Modelos geoestadísticos para el estudio de índices bioclimáticos. SUPERVISORS: Javier Morales Socuéllamos and Antonio López Quílez. 2009.

- Paloma Botella Rocamora, Universitat de València. Suavización espacio-temporal en cartografía de enfermedades. SUPERVISORS: Antonio López Quílez and Miguel Ángel Martínez-Beneito. 2010.

- Carmen Iñiguez Hernández, Universitat de València. Análisis de la relación entre temperatura y mortalidad mediante el modelo aditivo generalizado. SUPERVISOR: Antonio López Quílez. 2010.

- Martí Casals i Toquero, Universitat de Barcelona. Aplicació de models d'efectes aleatoris en l'epidemiologia quantitativa. SUPERVISORS: Josep Lluís Carrasco and Klaus Langohr. 2016.

- Karen Cecilia Flórez Lozano, Universitat de València. Modelo de conglomerados para el análisis bayesiano de datos epidemiológicos en áreas pequeñas. SUPERVISORS: José D. Bermúdez Edo and Ana Corberán Vallet. 2016.

- Ana Borges, Universidade do Minho. Joint Modelling of Longitudinal and Survival Data on Breast Cancer. SUPERVISOR: Inés Sousa. 2015.

- Josep Lledo Benito, Universitat de València. Análisis y Evaluación de Hipótesis Implícitas en la Construcción de Tablas de Mortalidad. SUPERVISORS: José M. Pavía Miralles and Francisco G. Morillas Jurado. 2017.

- Andreia Monteiro, Universidade do Minho. Contributions to Spatial and Temporal Modelling. SUPERVISORS: Raquel Menezes and Maria Eduarda Silva. 2019.

- Dorleta García, Universidad del País Vasco. `FLBEIA` fisheries management simulation model. Definition of new criteria and guidelines for efficient validation of the model using global sensitivity analysis. SUPERVISORS: Inma Arostegui and Raúl Prellezo. 2020.

- Madelyn Rojas Castro, Université de Bordeaux. Les accidents de la vie courante en France. Étude des facteurs de risque d'accidents domestiques au sein de la cohorte MAVIE. SUPERVISORS: Marta Ávalos Fernández and Enmanuele Lagarde. 2021.

- Leire Citores Martínez, Universidad del País Vasco. From habitat to management: a simulation framework for improving statistical methods in Fisheries science. SUPERVISORS: Dae-Jin Lee and Leire Ibaibarriaga Contreras. 2021.

- Nerea Mª Gómez Fernández, Universidad Politécnica de Valencia. Use of statistical methods for the analysis of educational data: The role of ICTs in the educational context. SUPERVISORS: Mauro Mediavilla Bordalejo and José Miguel Carot Sierra. 2022.

- Manuel Ugidos Guerrero, Universidad Politécnica de Valencia. Statistical methods development for the multiomic systems biology. SUPERVISORS: Alberto Ferrer Riquelme, Ana Conesa Cegarra and Sonia Tarazona Campos. 2023.
- Jorge Castillo Mateo, Universidad de Zaragoza. Stochastic models for the spatio–temporal analysis of extremes. Applications to the analysis of climate change. SUPERVISORS: Alan Gelfand and Ana Carmen Cebrián Guajardo. 2023.
- Danielle Hendricksen, University of Kent. Statistical models for data on recreational fishing. SUPERVISORS: Eleni Matechou, David Maxwell, Oscar Rodriguez de Rivera Ortega, and Kieran Hyder. 2024.
- Lorenzo Di Rocco, University of Rome. Scalable Solutions for Large-scale Bioinformatics Analysis: A Critical Study of Apache Spark Application in High-Performance Computational Genomics. SUPERVISOR: Umberto Ferraro Petrillo. 2025.
- Francesco Mariani, University of Rome. Random power and friends: hybrid Bayesian-frequentist approaches in clinical trials design. SUPERVISORS: S. Gubbiotti and F. De Santis. 2025.
- Greta Panunzi, University of Rome. Spatial Point Pattern Estimation Using Integrated Laplace Approximation: Methodology and Applications. SUPERVISORS: Giovanna Jona Lasinio and Sara Martino. 2025.