



## Pedro Jordano

### Contact Information

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### Main research lines

His research focuses on the study of biological diversity (biodiversity) from both ecological and evolutionary perspectives. He is interested in how ecological interactions shape complex ecological systems. Over the years his research lines have unfolded to cover a wide array of aspects, including botany, zoology, population genetics, statistics, and theoretical models. He uses an interdisciplinary approach that bridges different fields (field ecology, genetics, modeling) to study complex biological systems.

His scientific achievements include incorporating complex network analysis in the study of patterns, functions, and consequences of ecological interactions among species within ecosystems. This has unveiled the highly diversified and low-specificity character of these interactions and represented a pathbreaking approach to the study of coevolution in mega-diversity systems such as tropical forests. In addition he has developed molecular tools (genotyping with DNA microsatellite markers, and DNA-barcoding) to track and measure seed dispersal distances by frugivorous animals, and the identity of the frugivore species dispersing seeds. The central value of this advance is the ability to validate empirically and forecast potential responses to climate change driven by long-distance migration events.

Prof. Jordano is author of more than 280 scientific papers and three books, included as Highly-cited Researcher; Thomson Reuters Web of Science “*The World’s most influential scientific minds 2015-2022*”). Supervised 23 Post-doctoral fellowships, 16 PhD theses (plus 3 ongoing), and 9 Master theses. He participates in several university courses, within the PhD and graduate programs at Universidad Pablo de Olavide (director of the Master Course “Biodiversidad y Biología de la Conservación”) and Universidad de Sevilla (where he is associate professor), both in Sevilla (Spain), teaching courses on evolution, plant-animal interactions and conservation genetics.

He chaired the Spanish panel for the National Research Plan, program of Biodiversity, Ecology and Global Change, Ministerio de Economía e Innovación (2006-2013); now (since 2018) presiding the Environmental Sciences and Technologies program within the National Research Agency (AgEI). He also chaired the Starting Grants panel at the European Research Council (Brussels) (2012-2016; vice-chair 2008-2011). Jury member for the BBVA Frontiers of Knowledge Awards (2008-2010, 2012-2015). Member of the editorial boards for: *Annual Reviews of Ecology, Evolution, and Systematics*; *PLoS Biology*; *Perspect. Plant Ecology, Evolution, and Systematics*; *Movement Ecology*; and former member of the advisory board of *Ecography* and *Oikos*. In 2019 he was named Adoptive Son of Triana (Seville), a civil recognition granted by the City Council of Seville and the District of Triana.

