

# CURRICULUM VITAE



## PERSONAL INFORMATION

SCIASCIA IVAN ARCANGELO  
DEPARTMENT OF LIFE SCIENCES AND SYSTEMS BIOLOGY  
UNIVERSITÀ DEGLI STUDI DI TORINO

## WORK EXPERIENCE

From March 2017 and currently  
Università degli Studi di Torino  
Department of Life sciences and systems biology  
Research assistant

From January 2013 to March 2017  
Università degli Studi di Torino  
Department of molecular biotechnology and health sciences  
Research assistant

From October 2007 to December 2012  
Università degli Studi di Torino  
Department of Statistics and applied mathematics  
Research assistant

From December 2001 to September 2007  
Università Milano-Bicocca/ Università di Torino  
Computer network technician

## PROFESSIONAL SKILLS

BIOIMAGING AND MANAGEMENT  
ORDINARY MEMBER OF THE ITALIAN STATISTICAL SOCIETY

ADJUNCT PROFESSOR  
Dipartimento di Scienze della Sanità Pubblica e Pediatriche  
Università degli Studi di Torino  
Teaching: Information processing systems ING-INF/05, CFU 1  
Postgraduate course of studies in : Nursing and midwifery sciences  
Academic year: 2024/2025

## EDUCATION

- |      |   |
|------|---|
| 2015 | PhD in molecular, industrial and environmental biotechnologies<br>Università degli Studi di Verona                    |
| 2010 | Bachelor's Degree in Logistics and Production Engineering<br>Politecnico di Torino                                    |
| 1997 | Master's Degree in Psychology, specializing on work and organizational psychology<br>Università degli Studi di Torino |

## Selected Publications

Ivan Sciascia (2025) Value systems in some recent marketing and organizational literature, *International Journal of Applied Management Science*, 1-17, <https://dx.doi.org/10.1504/IJAMS.2025.10068236>

Ivan Sciascia (2024) Adjusted calibration estimators for sparse spatial data, Springer Volume, *Advanced methods in Statistics, Data Science and related applications* Matilde Bini Antonio Balzanella Lucio Masserini Rosanna Verde Editors 235-245, Svizzera: Springer Cham ISBN 9783031656989

Ivan Sciascia, Andrea Crosino, Andrea Genre (2024) Clustering Models for Time Series Analysis in Confocal Microscopy In: *Methodological and Applied Statistics and Demography IV* A. Pollice and P. Mariani (Eds.): SIS 2024, ISSSAS, pp. 524–527, DOI:10.1007/978-3-031-64447-4\_89

Ivan Sciascia (2024) Calibration and variogram analysis in a small forest area, *International Journal of Ecological Economics and Statistics*, 45, 1-13

Filippo Binci, Elisabetta Offer, Andrea Crosino, Ivan Sciascia, Juergen Kleine-Vehn, Andrea Genre, Marco Giovannetti, and Lorella Navazio (2023) Spatially and temporally distinct Ca<sup>2+</sup> changes in *Lotus japonicus* roots orient fungal-triggered signalling pathways towards symbiosis or immunity, *Journal of Experimental Botany*, erad360, <https://doi.org/10.1093/jxb/erad360>

Sciascia Ivan, Crosino Andrea & Genre Andrea (2023) Quantifying root colonization by a symbiotic fungus using automated image segmentation and machine learning approaches. *Scientific Reports* 13, 14830 <https://doi.org/10.1038/s41598-023-39217-z>

Ivan Sciascia (2023) From market segmentation to customer loyalty, *International Journal of Business and Management* 18(4) 192-199

Ivan Sciascia, Andrea Crosino, Gennaro Carotenuto, Andrea Genre (2022). Spatial interdependence of mycorrhizal nuclear size in confocal microscopy. In: Nicola Salvati, Cira Perna, Stefano Marchetti, Raymond Chambers. *Studies in Theoretical and Applied Statistics*. Springer Proceedings in Mathematics & Statistics, p. 435-448, Svizzera: Springer Cham, ISBN: 978-3-031-16608-2, ISSN:2194-1009

Ivan Sciascia (2022) Customer loyalty as measure of competitiveness, *International Journal of Marketing Studies* 14(1), 1-6

Gennaro Carotenuto, Veronica Volpe, Giulia Russo, Mara Politi, Ivan Sciascia, Janice de Almeida-Engler, Andrea Genre (2019) Local endoreduplication as a feature of intracellular fungal accommodation in arbuscular mycorrhizas, *New Phytologist*, 223, 430-446

Gennaro Carotenuto, Ivan Sciascia, Ludovica Oddi, Veronica Volpe, Andrea Genre (2019) Size matters: Three methods for estimating nuclear size in mycorrhizal roots of *Medicago truncatula* by image analysis, *Bmc Plant Biology*, 19(1), 180-193

Luigi Bollani, Guido Antonio Rossi, Ivan Sciascia (2019). Evaluating people's behaviour towards risk: a multidimensional problem. Valutazione del comportamento individuale verso il rischio: un problema multidimensionale, Extended abstract for IES 2019. In: *Statistical Methods for Service Quality Evaluation* Luigi D'Ambra, Pietro Amenta, Antonio Lucadamo, Anna Crisci EDITORS. p. 15-22, ROMA:Pearson, ISBN: 9788891921239

Ferrero, Simone; Genuardi, Elisa; Dogliotti, Irene; Sciascia, Ivan; Guerrini, Francesca; Mantoan, Barbara; Gilestro, Milena; Muccio, Vittorio; Ghione, Paola; Omedè, Paola; Galimberti, Sara; Orsucci, Lorella; Cavallo, Federica; Boccadoro, Mario; Ladetto, Marco; Drandi, Daniela

myd88l265p mutation detection in waldenström macroglobulinemia by droplet digital pcr: minimal residual disease monitoring and characterization on circulating free dna (2016)

In 9th International Workshop on Waldenström's Macroglobulinemia and Symposium

on *Advances in Multiple Myeloma*, Amsterdam 2016

Ivan Sciascia (2015) *Biophysical models for cellular dynamics: applications to metabolic pathways and microtubules kinetics*. Doctoral Thesis, Università degli Studi di Verona

Ivan Sciascia (2013) *Calibration with spatial data constraints* In "Classification and Data Mining" serie Springer "Studies in Classification, Data Analysis and Knowledge Organization" 89-94, Springer, ISBN 9783642288937

Mario Montinaro, Ivan Sciascia (2011) *Market segmentation models to obtain different kinds of customer loyalty*, *Journal of Applied Sciences*, 655 - 662, Vol. 11(4).

Montinaro, Mario, Sciascia, Ivan Arcangelo (2008). *On some models of customer loyalty*. In: *MTISD 2008*. p. 160-163, Lecce:MTISD 2008, ISBN: 9788883050602, Lecce, 18-20 September 2008

## **Selected Conferences**

Ivan Sciascia, Andrea Crosino, Andrea Genre (2024) *Clustering models for time series analysis in confocal microscopy*, 52<sup>nd</sup> Scientific Meeting of the Italian Statistical Society, Bari 17-20 June 2024, Italy

Ivan Sciascia *Techniques and constructs in some recent market and organizational research (2023)* IES 2023 *Statistical methods for evaluation and quality: techniques, technologies and trends*, Conference Book of proceedings, Pescara 30 August-1 September 2023

Ivan Sciascia, Andrea Crosino, Andrea Genre (2023) *Time lapse analysis of nuclear calcium spiking in plant cells during symbiotic signaling* Book of the short papers, Editors: Francesco Maria Chelli, Mariateresa Ciommi, Salvatore Ingrassia, Francesca Mariani, Maria Cristina Recchioni 691-695 Conferenza Società Italiana di Statistica 2023, Ancona 21-23 June 2023

Ivan Sciascia, Andrea Crosino, Andrea Genre (2022) *Visual and automated methods in digital microscopy to evaluate fungal colonisation on plant roots*, Conference SIS 22-24 June 2022 Caserta

Ivan Sciascia, Andrea Crosino, Gennaro Carotenuto and Andrea Genre (2021) *Analysis of the spatial interdependence of the size of endoreduplicated nuclei observed in confocal microscopy*  
Convegno SIS 2021, Pisa 21-25 June 2021 (virtual)

Ivan Sciascia, Gennaro Carotenuto, Andrea Genre (2019) *Latent class analysis of endoreduplicated nuclei in confocal microscopy*, *Smart Statistics for Smart Applications*, Università Milano Cattolica, Milano 18-21 June 2019

Ivan Sciascia (2010) *Adjusted calibration estimators for sparse spatial data*, 3rd International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computing & Statistics (ERCIM 10), Londra 10-12 December 2010

Mario Montinaro, Ivan Sciascia (2010) *Some considerations on two-stage calibration estimators*, Gfkl-CLADAG 2010, Firenze 8-10 September 2010

Mario Montinaro, Ivan Sciascia (2009) Probabilistic models for market segmentation and customer loyalty, Seventh scientific meeting of the classification and data analysis group of the Italian Statistical Society, Catania 9-11 September 2009

Montinaro, Mario, Arianna Dal Forno, Lo Presti, Anna, Sciascia, Ivan Arcangelo (2009). From market segmentation to customer loyalty: an exploratory study. ISI 2009 Proceedings. p. 163-166, Durban: ISI, ISBN: 9789073592292, Durban, Sud Africa, 16-22 August 2009

Mario Montinaro, Ivan Sciascia (2008) On some models of customer loyalty, MTISD 2008, Lecce 18-20 September 2008

Torino, 11 March 2025

Ivan Sciascia