Curriculum Vitae – Monica Bianchi

Personal Information

- **Office Address:** Department of Mathematics for Economic, Financial and Actuarial Sciences, Catholic University of Milan, Italy
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Education

- 1984 – Degree in Mathematics, University of Milan, Italy

Academic Positions

- 2017–present: Dean, Department of Mathematics for Economic, Financial and Actuarial Sciences, Catholic University of Milan
- 2009–present: Full Professor, Faculty of Economics, Catholic University of Milan
- 1998–2008: Associate Professor, Faculty of Economics, Catholic University of Milan
- 1986–1997: Researcher, Faculty of Economics, Catholic University of Milan

Research Interests

Equilibrium problems; Variational inequalities; Generalized convexity and monotonicity; Nonlinear optimization; Variational analysis.

Since 2010, in collaboration with colleagues from other Italian universities belonging to the Working Group on Generalized Convexity, she has served on the organizing committee of annual international workshops on these research areas, which have regularly hosted numerous international scholars. The last three editions, under the common title VAO - Variational analysis and Optimization (VAO2023, VAO2024, and VAO2025), were organized in Messina, Milan, and Pavia, respectively.

Teaching Experience

Courses taught at undergraduate, graduate, and PhD level in the Faculties of Economics and Business:

- Calculus
- Mathematical Finance
- Mathematics for Economics (Linear Algebra, Optimization, Dynamical Systems, Graph Theory)
- Linear and Nonlinear Programming

Selected Publications (last 5 years)

1. Bianchi M., Cotrina J., García Y., Pini R. *Different approaches to the existence of projected solutions in Banach spaces.* **Optimization** (2025). doi:10.1080/02331934.2025.2553195

2. Bianchi M., Miglierina E., Ramazannejad M. *On projected solutions for quasi equilibrium problems with non-self constraint map.* **Optimization** (2025). doi:10.1080/02331934.2025.2478511

3. Alizadeh M.H., Bianchi M., Pini R. *On e-monotonicity and maximality of operators in Banach spaces.* **Journal of Global Optimization**, 91(1), 155–170 (2025).

4. Bianchi M., Hadjisavvas N., Pini R. *On the regularity of selections and on Minty points of generalized monotone set-valued maps.* **Journal of Mathematical Analysis and Applications**, 535 (2024), Paper No. 128234.

5. Bianchi M., Pini R. *A note on Fenchel duality for equilibrium problems.* **Minimax Theory and Applications**, 8, 409–422 (2023).

6. Bianchi M., Konnov I., Pini R. *On a threshold descent method for quasi-equilibria.* **Optimization Letters** (2023). doi:10.1007/s11590-023-01978-x.

7. Bianchi M., Hadjisavvas N., Pini R. *Continuity and maximal quasimonotonicity of normal cone operators.* **Studia Universitatis Babeș-Bolyai Mathematica**, 67(1), 21–34 (2022).

8. Bianchi M., Kassay G., Pini R. *Brezis pseudomonotone bifunctions and quasi equilibrium problems via penalization.* **Journal of Global Optimization**, 82, 483–498 (2022).

9. Bianchi M., Torriero A., Wirkierman A. *Leontief meets Markov: sector vulnerabilities through circular connectivity.* **Networks and Spatial Economics**, 22, 659–690 (2022).

10. Bianchi M., Kassay G., Pini R. *Regularization of Brezis pseudomonotone variational inequalities.* **Set-Valued and Variational Analysis**, 29, 175–190 (2020).

11. Bianchi M., Konnov I., Pini R. *Limit vector variational inequalities and market equilibrium problem.* **Optimization Letters**, 15, 817–832 (2020).

Milan, September 14, 2025