University of Zagreb
Faculty of Economics & Business

Associate Professor Vedran Kojić, PhD

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Career overview

Vedran Kojić has been employed at the Faculty of Economics and Business (FEB), University of Zagreb, since 2011. He earned his PhD at FEB in 2016. He is currently an Associate Professor in the Department of Mathematics at FEB, where he teaches several mathematics courses. Between 2014 and 2025, Vedran Kojić received five prestigious awards and recognitions: two "Mijo Mirković" Awards and one "Ljubomir Martić" Award for scientific contributions, an award for being the best-rated teaching assistant in the English-taught undergraduate program in Business in the 2016/2017 academic year, and a recognition for scientific productivity, measured by the number of publications indexed in the Web of Science (WoS) and Scopus databases in 2025, in the Associate Professor category. His main research interests include applications of mathematical inequalities in economics, geometric programming, and mathematical economics. He is the author of several textbooks and scientific papers published in international journals and conference proceedings.

Research areas

Applications of mathematical inequalities in (micro)economics; Geometric programming; Mathematical economics; Mathematical education

External activity

Vedran Kojić is a member of the Croatian Operational Research Society, and the Croatian Mathematical Society. He was an invited speaker at the 16th International Symposium on Operations Research in Slovenia (SOR'21), from 22nd to 24th September 2021 (Online).
Member of the Editorial Board: Croatian Operational Research Review (CRORR), Croatian Review of Economics, Business and Social Statistics (CREBSS). Former Technical Editor: CRORR (2019-2021). Organizing Committee: KOI 2018, September 26-28, 2018, Zadar, Croatia; KOI 2020, September 23-25, 2020, Šibenik, Croatia. Program Committee: KOI 2022, September 28-30, 2022, Šibenik, Croatia; KOI 2024, September 25-27, 2024, Brela, Croatia; KOI 2026, September 23-25, 2026, Brela, Croatia; SOR'23, September 20-22, 2023, Bled, Slovenia; SOR'25, September 24-26, 2025, Bled, Slovenia

Notable Publications in period 2021-2026

***1. Kojić, V. (2026)** A Comparison of Two Non-Calculus Methods for Cost Minimization: The Case of the Modified Spillman Production Function // International Conference on Education Policy, Finance, and Resource Management (ICEPFRM-26), Sliema, Malta, EurAsia Foundation of Science, Technology and Management (EFSTM)*

***2.** Vlah Jerić, S., and **Kojić, V. (2026)** Gospodarska matematika [Business Mathematics]. Textbook. Zagreb: Faculty of Economics and Business, University of Zagreb. (Published in Croatian.)*

3. Kojić, V. (2025) *An elementary approach to solving the optimal taxation of a perfectly competitive firm with CES production function as a bilevel programming problem // Central European journal of operations research, 33, 679-696. doi: 10.1007/s10100-024-00931-2*

4. Kojić, V. (2025) *A Non-Calculus Approach to Solving the Cost Minimization Problem with the Modified Spillman Production Function // The Eurasia Proceedings of Science Technology Engineering and Mathematics, 35, 107-114. doi: 10.55549/epstem.1803911*

5. Kojić, V., *and Gardijan Kedžo, M.* ***(2025)*** *Formal Analysis of Selected Bond Tilt Properties // Proceedings of the 18th International Symposium on OPERATIONAL RESEARCH in Slovenia / Drobne, Samo; Zadnik Stirn, Lidija; Kljajić Borštnar, Mirjana, Povh, Janez et al. (ur.). Slovenian Society INFORMATIKA (SDI), Section for Operational Research (SOR), 467-472*

6. *Lukač, Z., Puljić, K., and* ***Kojić, V. (2025)*** *Maximizing Tax Revenue for Profit-Maximizing Monopolist with the CES Production Function and Linear Demand as a Stackelberg Game Problem // Mathematics, 13, 5, 825-825. doi: 10.3390/math13050825*

7. *Lukač, Z., Krpan, M., and* ***Kojić, V. (2025)*** *On the closed-form solution of the monopolist long-run profit maximization problem with linear demand and Cobb-Douglas technology // Croatian operational research review, 16 (2025), 2; 113-126. doi: 10.17535/crorr.2025.0010*

8. *Lukač, Z., Puljić, K., and* ***Kojić, V. (2025)*** *Maximizing Tax Revenue for Profit Maximizing Monopolist with the Cobb-Douglas Production Function and Linear Demand as a Bilevel Programming Problem // AppliedMath, 5, 2; 37-37. doi: 10.3390/appliedmath5020037*

9. Kojić, V.*, Krpan, M., and Lukač, Z.* ***(2023)*** *A simple approach to solving the monopolist's long-run profit maximization problem: the case of the hyperbolic inverse demand and Cobb-Douglas production functions with two factors of production // Proceedings of the 17th International Symposium on Operational Research in Slovenia SOR'23 / Drobne, Samo; Zadnik Stirn, Lidija; Kljajić Borštnar, Mirjana et al. (ur.). Ljubljana: University of Maribor, 405-410*

10. Kojić, V. (2022) *On a Geometric Programming Approach to Profit Maximization: The Case of CES Technology // The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), 7-15*

11. Kojić, V.*, Lukač, Z., and Puljić, K.* ***(2021)*** *On the uniqueness of the solution of the cost minimization problem with generalized Sato production function // Croatian operational research review, 12, 1; 37-48. doi: 10.17535/crorr.2021.0004*

12. Kojić, V. (2021) *A Note on Concavity Conditions of Cobb–Douglas and CES Production Function with at Least Two Inputs // Studies in microeconomics, 9, 1; 1-10. doi: 10.1177/2321022219873533*

13. Kojić, V.*, and Krpan, M.* ***(2021)*** *PRIMJENA TEŽINSKE AG-NEJEDNAKOSTI U PROBLEMU MAKSIMIZACIJE PROFITA: SLUČAJ COBB-DOUGLASOVE FUNKCIJE PROIZVODNJE S DVA FAKTORA PROIZVODNJE // Ekonomska misao i praksa = Economic Thought and Practice, 30, 1; 205-223. doi: 10.17818/EMIP/2021/1.10*

14. Kojić, V.*, Krpan, M. and Lukač, Z.* ***(2021)*** *Teaching cost minimization – can a non-calculus approach help? // International journal of mathematical education in science & technology, 52, 8; 1281-1294. doi: 10.1080/0020739X.2020.1839681*