

Bolesław Borkowski is a full professor of Economics at the Faculty of Applied Informatics and Mathematics. He was the first dean of this faculty. The main fields of his scientific interests are mathematical methods in economics, especially in agricultural economics. He is an author of 118 scientific publications, including eleven books. He is also interested in econometric models and the methods of estimation of their parameters. Forecasting the prices of financial instruments and modeling the risk management aspects at the farm level are of great interest to Professor Borkowski. He is a member of professional organizations, including Ce.S.E.T. In the last years, Professor Borkowski has been the head of several scientific projects, such as: “Methods of risk consideration in annual and long-term planning” (Systems Research Institute, Polish Academy of Sciences), “Application of modern mathematical and statistical methods in market analysis” (State Committee for Scientific Research), PHARE PL 9704-01-13 project, “Concept of the agricultural information system for the needs of the Common Agricultural Policy”, PHARE P9312-08-02 project, “Information System in Cattle Breeding”.

Selected publications:

1. Borkowski, B., Wiliński, A., Szczesny, W.: Mathematical Analysis of Synthetic Measures Based on Radar Charts. *Mathematical Modelling and Analysis*, No. 2, pp. 275-292, 2020
2. Borkowski, B., Sobczak, W., Zbyrowski, R.: Interdependence of Red Pepper Prices on Selected Wholesale Markets. *European Journal of Horticultural Science*, No. 2, pp. 213-225, 2020
3. Borkowski, B., Sobczak, W., Zbyrowski, R. : Spatial Integration of Wholesale Markets in Poland in the Case of Carrots. *Acta Scientiarum Polonorum. Oeconomia*, No. 4, pp. 150-158, 2018
4. Binderman, Z., Borkowski, B., Kozera, R., Prokopenya, A., Szczesny, W.: On Mathematical Modelling of Synthetic Measures; [in:] *Mathematical Modelling and Analysis*, Vol. 23, Issue 4, pp. 699-711, 2018
5. Borkowski, B., Krawiec, M., Shachmurove, Y.: Impact of Volatility Estimation Method on Theoretical Option Values. *The Global Finance Journal*, Vol. 24/2, pp. 12-21, 2013
6. Kruk, M., Kozera, R., Osowski, S., Trzcíński, P., Sas-Paszt, L., Sumorok, B., Borkowski, B.: Computerized Classification System for the Identification of Soil Microorganism. *Applied Mathematics & Information Sciences*, Vol. 10, No. 1, pp. 21-31, 2016
7. Binderman, Z., Borkowski, B., Kozera, R., Koszela, G., Szczesny, W.: On the Choice of Synthetic Measures for Assessing Economic Effects; [in:] *Quantitative Methods in Economics*, Vol. 18, No 1, Publisher: Warsaw University of Live Sciences, 2017, pp. 7-17
8. Borkowski, B., Krawiec, M., Szczesny, W., Shachmurove, Y., Świątkowska, M.: Spatial Differentiation of Food Expenditures in an Enlarged European Union. *Annals of Nutrition & Food Science*, Vol. 1, Issue 2, 2017, pp. 10-21
9. Zawistowski, Z., Szczesny, W., Borkowski, B., Kozera, R., Shachmurove, Y.: Alternative Method of Measuring Concentration. *Applied Mathematics and Information Sciences*, Vol. 10, No. 1, pp. 11-19, 2016