

TEACHING EXPERIENCE:

Undergraduate courses in: Linear Algebra, Basic Calculus, Advanced Calculus, Complex Analysis, Optimization and Variational Calculus, Discrete Mathematics, Graph Theory, Combinatorics, Probability Theory, Programming Languages, Programming in Wolfram's Mathematics, etc.

Graduate and doctoral courses in: Discrete Optimization, Combinatorial Optimization, Graph Theory and Spectral Graph Theory. He had three Ph.D. students in Spectral Graph Theory.

For his students he prepared more than ten textbooks (in Serbian).

RESEARCH INTEREST:

His main research interest is Discrete Mathematics, and in particular: Combinatorics, Graph Theory and Combinatorial Optimization and Spectral Graph Theory and its Applications).

SUMMARY OF RESEARCH RESULTS:

So far has published more than 160 research papers, most of them are related to Spectral Graph Theory. Worth mentioning are three books (monographs) on this topic (published by Cambridge University Press). Besides, he had contributions related to other topics related to graphs theory (like graph operations and graph equations), or other branches of mathematics. His Erdos number is 2 (over Zh. Tuza).

INTERNATIONAL COLLABORATION (coauthors):

During his career he collaborated with many people and institutions (P. Rowlinson and F.K. Bell - University of Stirling (Scotland, United Kingdom), K.T. Balinska - University of Poznan, Poland, E.M.L. Marzi University of Messina (Italy), F. Belardo (University of Napoli (Italy), A. Alazemi and M. Andelić, University of Kuwait (Kuwait), S. Perović - University of Montenegro (Montenegro), D.M. Cardoso - University of Aveiro (Portugal), N. Abreu, University of Rio Janeiro (Brazil), I. Sciriha University of Malta (Malta), etc.

CONTRIBUTIONS TO MATHEMATICAL SOCIETY:

He is (or have been) a reviewer of American Mathematical Review and Zentral Blat, and also a referee for scientific journals such as: Applied Mathematical Letters, Applicable Analysis and Discrete Mathematics, Computers

and Mathematics, Discrete Applied Mathematics, Discussiones Mathematicae - Graph Theory, FILOMAT,, Graphs and Combinatorics, Journal of Algebraic Combinatorics, Linear Algebra and its applications, Linear and Multilinear Algebra, MATCH, Publications de L'Institute Mathematique, etc.).

Ph.D. STUDENTS:

His Ph.D. students were: M. Andelić (Portugal) F. Belardo (Italy) and Z. Stanić (Serbia).