

**Lector univ. dr. Rațiu Augusta**  
**Lista lucrărilor științifice publicate**

1. **A. Rațiu**, D.I. Duca: *First order approximated semi-infinite optimization problems*, General Mathematics, Special Issue, **20(5)**, 99-106, 2012.
2. **A. Rațiu**, D.I. Duca: *Semi-infinite optimization problems and their approximations*, Studia Universitatis Babeș-Bolyai, Mathematica, **58(3)**, 401-411, 2013.
3. **A. Rațiu**, D.I. Duca: *Semi-infinite optimization problems and their first order approximated*, Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity, **11**, 2013.
4. D.T. Luc, **A. Rațiu**: *Fixed Point Theory, Variational Analysis and Optimization, Chapter Vector Optimization: Basic Concepts and Solution Methods*, Taylor and Francis, 2014.
5. N. Minculete, P. Dicu, **A. Rațiu**: *Two reverse inequalities of Bullen's inequality*, General Mathematics, **22(1)**, 69-73, 2014.
6. N. Minculete, **A. Rațiu**, J. Pečarić, *A refinement of Grüss inequality via Cauchy-Schwarz's inequality for discrete random variables*, Applied Mathematics and Information Sciences, **9(1)**, 39-45, 2015.
7. **A. Rațiu**, N. Minculete: *Several refinements and counterparts of Radon's inequality*, Mathematica Bohemica, **140(1)**, 71-80, 2015.
8. E.-L. Pop, D. Duca, **A. Rațiu**: *Properties of the intermediate point from a mean value theorem of the integral calculus*, General Mathematics, **25(1-2)**, 3-10, 2017.
9. **A. Rațiu**, D. Duca: *Second Order Approximated Semi-Infinite Optimization Problems*, General Mathematics, **26(1-2)**, 57-77, 2018.
10. A. M. Acu, N. Manav, **A. Rațiu**, *Convergence properties of certain positive linear operators*, Results in Mathematics, **74(1)**, 2019.
11. **A. Rațiu**, A. M. Acu, A. Tuncer, F. Sofonea, *Certain positive linear operators with better approximation properties*, Mathematical Methods in the Applied Sciences, **42(16)**, 5133-5142, 2019.
12. E. L. Pop, D. Duca, **A. Rațiu**: *Properties of the intermediate point from a mean value theorem of the integral calculus - II*, General Mathematics, **27(1)**, 29-36, 2019.
13. E.-L. Pop, D. Duca, **A. Rațiu**: *Calculus for the intermediate point associated with a mean value theorem of the integral calculus*, General Mathematics, **28(1)**, 59-66, 2020.
14. **A. Rațiu**, N. Minculete: *About Aczél inequality and some bounds for several statistical indicators*, Mathematics, **8(4)**, 574, 2020.
15. I. Maniu, E.-L. Pop, **A. Rațiu**, E. T. Stefanescu: *Insights from IT jobs market*

*with text mining*, SEA-Practical Application of Science, **VIII(24)**, 287-298, 2020.