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Research interest: Mathematical analysis, Inequalities

Recent publications:

[1] S. Varošanec, *Superadditivity of functionals related to Gauss' type inequalites*, **Sarajevo Journal of Mathematics**, Vol. 10 (22), No.1, (2014) 37-45.
[2] L. Nikolova, S. Varošanec, *Properties of some functionals associated with h-concave and quasilinear functions with applications on inequalities*, **Journal of Inequalities and Applications** 2014, 2014:30.
[3] R. Bibi, M. Bohner, J. Pečarić, S. Varošanec, *Minkowski and Beckenbach- Dresher inequalities and functionals on time scales*, **Journal of Mathematical Inequalities,** Vol 7, No 3, (2013), 299—312.
[4] L. Nikolova,   S. Varošanec, *Geometric constants for Banach spaces with absolute normalized norms which corresponding functions are comparable*, **Journal of Nonlinear and Convex Analysis**, Vol 14, No 3, (2013) 529-549.
[5] A. Akdemir, M. E. Ozdemir, S. Varošanec, *On some inequalities for h-concave functions*, **Mathematical and Computer Modelling**, 55(2012) 746—753.

Selected publications:

[1] S. Varošanec, *On h-convexity*, **Journal of Mathematical Analysis and Applications**, 326(2007), 303-311.
[2] M., Bombardelli, S. Varošanec, *Properties of h-convex functions related to the Hermite-Hadamard-Fejer inequalities*, **Computers and Mathematics with Applications** 58 (2009), 1869-1877.
[3] D. Ilišević, S. Varošanec, *On the Cauchy--Schwarz inequality and its reverse in semi-inner product C^*-modules,* **Banach Journal of Mathematics**, 1(2007), No 1, 78-84.
[4] C.E.M. Pearce, J. Pečarić, S. Varošanec, *Polya-type inequalities* **Handbook of Analytic-Computational Methods in Applied Mathematics**, Editor: G.A. Anastassiou, Chapman &Hall/CRC, London, 2000., Chapter 10, 465-505.
[5] C.E.M. Pearce, J. Pečarić, S. Varošanec, *Polya-type inequalities for arbitrary functions,* **Houston J. Math***,* Vol 27, No 3(2001), 601-612.