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Research interest: Graph theory; Enumerative combinatorics; Mathematical chemistry.

Recent publications:

[1] T. Došlić, *The smallest eigenvalue of fullerene graphs – closing the gap*, **MATCH Commun. Math. Comput. Chem. 70** (2013) 73–78.
[2] T. Došlić*, Planar polycyclic graphs and their Tutte polynomials,* **Journal of Mathematical Chemistry 51** *(*2013) 1599–1607.
[3] T. Došlić, *Kepler-Bouwkamp radius of combinatorial sequences,* **Journal of Integer Sequences 17** (2014) Art. 14.11.3 (7 pp).
[4] T. Došlić, M. Saheli, *Eccentric connectivity index of composite graphs,* **Utilitas Mathematica 95** (2014) 3–22.
[5] T. Došlić, I. Zubac*, Saturation number of benzenoid graphs,* **MATCH Commun. Math. Comput. Chem. 73** (2015) 491–500.

Selected publications:

[1] T. Došlić, *Cyclical edge-connectivity of fullerene graphs and (k, 6)-cages*, **Journal of Mathematical Chemistry 33** (2003) 103–112.
[2] T. Došlić, D. Svrtan, D. Veljan, *Enumerative aspects of secondary structures*, **Discrete Mathematics 285** (2004) 67–82.
[3] T. Došlić, *Log-balanced combinatorial sequences*, **International Journal of Mathematics and Mathematical Sciences 2005:4** (2005) 507–522.
[4] T. Došlić, D. Veljan, *Logarithmic behavior of some combinatorial sequences*, **Discrete Mathematics 308** (2008) 2182–2212.
[5] T. Došlić, *Seven (lattice) paths to log-convexity*, **Acta Applicandae Mathematicae 110** (2010) 1373–1392.