

## Publications:

1. **M. Danko**, A. Andicsová, P. Hrdlovič, D. Račko, D. Végh, Spectral Characteristics of Carbonyl Substituted 2,2'-Bithiophenes in Polymer Matrices and Low Polar Solvents, *Photochemical and Photobiological Sciences*, 2013, 12 (7), 1210-1219, doi: 10.1039/c3pp50049g
2. J. Mosnáček, K. Borská, **M. Danko**, I. Janigová, Photochemically promoted degradation of poly( $\epsilon$ -caprolactone) film, *Materials Chemistry and Physics*, 140, 2013, 191-199, doi: 10.1016/j.matchemphys.2013.03.021
3. V. Lukeš, **M. Danko**, A. Andicsová, P. Hrdlovič, D. Végh, The synthesis and examination of spectral properties of some 2,2-bithienyl derivatives with carbonyl-containing substituents, *Synthetic Metals*, 2013, 165(1), 17-26. Doi: 10.1016/j.synthmet.2012.12.021
4. **M. Danko**, M. Mičušík, M. Omastová, J. Bujdák, D. Chorvát, Jr., Spectral characterisation of new organic fluorescent dyes with an alkoxy silane moiety and their utilisation for the labelling of layered silicates, *Chemical Papers*, 2013, 67(1), 18-28. Doi: 10.2478/s11696-012-0249-9
5. J. Bujdák, **M. Danko**, D. Chorvát Jr., A. Czímerová, J. Sýkora, K. Lang, Selective modification of layered silicate nanoparticles edges with fluorophores, *Applied Clay Science*, 2012, 65-66, 152-157. Doi:10.1016/j.clay.2012.04.029
6. C. Kósa, **M. Danko**, P. Hrdlovič, Preparation and Spectral Characterization of Fluorescence Probes Based on 4-N,N-Dimethylamino Benzoic Acid and Sterically Hindered Amines, *Journal of Fluorescence*, 2012, 22 (5), 1371-1381. Doi:10.1007/s10895-012-1076-7
7. **M. Danko**, F. Bureš, J. Kulhánek, P. Hrdlovič, Spectral Properties of Y-Shaped Donor-Acceptor Push-Pull Imidazole-based Fluorophores: Comparison between Solution and Polymer Matrices, *Journal of Fluorescence*, 2012, 22 (4), 1165-1176. Doi:10.1007/s10895-012-1056-y
8. J. Donovalová, M. Cigáň, H. Stankovičová, J. Gašpar, **M. Danko**, A. Gáplovský, P. Hrdlovič, Spectral Properties of Substituted Coumarins: Comparison in Solution and Polymer Matrices, *Molecules* 2012, 17 (3), 3259-3276. doi:10.3390/molecules17033259
9. **M. Danko**, A. Andics, C. Kosa, P. Hrdlovič, D. Vegh, Spectral Properties of Chalcone Containing Triphenylamino Structural Unit in Solution and in Polymer Matrices, *Dyes and Pigments*, 92(3), 1257-1265, (2012). doi:10.1016/j.dyepig.2011.07.011
10. **M. Danko**, P. Hrdlovič, Š. Chmela, The photolysis in polymer matrices of dyes containing a benzothioxanthene chromophore linked with a hindered amine, *Polymer Degradation and Stability*, 96, 1955-1960, (2011).
11. **Danko M.**, Szabo E., Hrdlovic P., Synthesis and Spectral Characteristics of Fluorescent Dyes Based on Coumarin Fluorophore and Hindered Amine Stabilizer in Solution and Polymer Matrices, *Dyes and Pigments*, 90(2) (2011), 129-138.
12. Z. Spitalsky, **M. Danko**, J. Mosnacek, Preparation of Functionalized Graphene Sheets, *Current Organic Chemistry*, 15(8) (2011), 1133-1150.
13. **M. Danko**, P. Hrdlovic, J. Kulhanek, F. Bures, Push-Pull Fluorophores Based on Imidazole-4,5-dicarbonitrile: A Comparison of Spectral Properties in Solution and Polymer Matrices, *Journal of Fluorescence*, 21 (4), 1779-1787, (2011).
14. **Danko M**, Libiszowski J, Wolszczak M, Racko D, Duda A, Fluorescence study of the dynamics of a star-shaped poly( $\epsilon$ -caprolactone)s in THF: A comparison with a star-shaped poly(L-lactide)s, *Polymer* 50 (10), 2209-2219 (2009).
15. Hrdlovič P, Chmela S, **Danko M**, Sarakha, M., Guyot, Gh., Spectral properties of probes containing benzothioxanthene chromophore linked with hindered amine in solution and in polymer matrices: *Journal of Fluorescence* 18 (2), 393-402, (2008).
16. Kósa, Cs., Mosnáček, J., Bílešová, A., Kasák, P., Kronek, J., **Danko, M.**, Kollár, J.: Synthesis and Photophysical Properties of Novel Derivatives of Acyclic Aromatic Amines. *Coll. Czech. Chem. Comm.* 72 (9), 1255 – 1268, (2007).
17. Matisová-Rychlá, J. Rychlý, **M. Danko**, Š. Chmela, P. Hrdlovič: On the Stabilizing Effect of Sterically Hindered Amines and Nitroxide Radicals in Thermal and Photo-oxidation of Polypropylene, 3<sup>rd</sup> European Weathering Symposium Natural and Artificial Ageing of Polymers, editor Thomas Reichert, Gesellschaft für Umweltsimulation GUS, CEEES Publication No 8, 2007, p. 141.
18. **M. Danko**, Š. Chmela, P. Hrdlovič, "Synthesis, photochemical stability and photo-stabilizing efficiency of probes based on benzothioxanthene chromophore and hindered amine stabilizer", *Polymer Degradation and Stability*, 91 (2006), 1045-1051.

19. **M. Danko**, J. Libiszowski, T. Biela, M. Wolszczak, A. Duda: "Molecular Dynamics of Star-shaped Poly(L-lactide)s in Tetrahydrofuran as Solvent Monitored by Fluorescence Spectroscopy", *Journal of Polymer Science, Polymer Chemistry*, **43** (2005), 4586-4599.
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23. **M. Danko**, P. Hrdlovič, E. Borsig, "Characterisation of interpenetrating Polymer-like Network Based on Polyethylene/poly(Styrene-co-Butylmethacrylate) (PE/P(S-co-BMA) by Non-radiative Energy Transfer", *Journal of Photochemistry and Photobiology A.: Chemistry* **154** (2003), 279-288.
24. **M. Danko**, P. Hrdlovič, E. Borsig, "Quenching of pyrene fluorescence as a technique for characterization of swelling interpenetrating polymer network: polyethylene/poly(styrene-co-butylmethacrylate) (PE/P(S-co-BMA))." *European Polymer Journal* **39** (2003), 2175-2182.
25. P. Hrdlovič, **M. Danko**, S. Chmela, "Preparation and Spectral Characteristics of Anthracene-Hindered Amine Probes: Influence of the Medium", *Journal of Photochemistry and Photobiology A.: Chemistry*, **149** (2002), 207-216.
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28. Š. Chmela, **M. Danko**, P. Hrdlovič, "Preparation, photochemical stability and photostabilizing efficiency of adducts of 1,8-naphthaleneimide and hindered amine stabilizers in polymer matrices", *Polymer Degradation and Stability*, **63** (1999), 159.
29. P. Hrdlovič, Š. Chmela, **M. Danko**, "Spectral characteristic and photochemical stability of fluorescent probes on 1,8-naphthaleneimide in solution and in polymer matrix", *Journal of Photochemistry and Photobiology A.: Chemistry*, **112** (1998), 197.