

СПИСЪК НА ПУБЛИКАЦИИТЕ

на гл. ас. д-р Мирослава Недялкова за участие в конкурс за заемане на академичната длъжност “доцент” по професионално направление 4.2. Химически науки (Теоретична химия), обявен в ДВ бр. 52/02.07.2019 г.

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Литература

- [1] M. Nedyalkova, S. Madurga, M. Tobiszewski, and V. Simeonov, “Calculating the partition coefficients of organic solvents in octanol/water and octanol/air,” *Journal of Chemical Information and Modeling*, vol. 59, no. 5, pp. 2257–2263, 2019.
- [2] L. Naneva, M. Nedyalkova, S. Madurga, F. Mas, and V. Simeonov, “Applying discriminant and cluster analyses to separate allergenic from non-allergenic proteins,” *Open Chemistry*, vol. 17, no. 1, pp. 401–407, 2019.
- [3] D. Dimitrov, M. Nedyalkova, B. Donkova, and V. Simeonov, “Chemometric assessment of soil pollution and pollution source apportionment for an industrially impacted region around a non-ferrous metal smelter in Bulgaria,” *Molecules*, vol. 24, no. 5, pp. 83–92, 2019.
- [4] M. Nedyalkova and A. Vladislav, “Manganese oxalates-structure-based insights,” *Open Chemistry*, vol. 16, no. 1, pp. 1176–1183, 2018.
- [5] N. Szczepańska, B. Kudlak, S. Tsakovski, G. Yotova, M. Nedyalkova, V. Simeonov, A. Dołęga, and J. Namieśnik, “Modeling and MANOVA studies on toxicity and endocrine potential of packaging materials exposed to different extraction schemes,” *Environmental research*, vol. 165, no. 1, pp. 294–305, 2018.
- [6] M. Tobiszewski, M. Nedyalkova, S. Madurga, F. Pena-Pereira, J. Namieśnik, and V. Simeonov, “Pre-selection and assessment of green organic solvents by clustering chemometric tools,” *Ecotoxicology and Environmental Safety*, vol. 147, no. 1, pp. 292–298, 2018.
- [7] N. Szczepańska, B. Kudlak, M. Nedyalkova, V. Simeonov, and J. Namieśnik, “Application of chemometric techniques in studies of toxicity of selected commercially available products for infants and children,” *Environmental monitoring and assessment*, vol. 189, no. 7, pp. 292–298, 2017.
- [8] H. Hristov, M. Nedyalkova, and V. Simeonov, “Boron oxide glasses and nanocomposites: synthetic, structural and statistical approach,” *Journal of materials science technology*, vol. 33, no. 6, pp. 535–540, 2017.
- [9] M. Nedyalkova, B. Donkova, and V. Simeonov, “Chemometrics expertise in the links between ecotoxicity and physicochemical features of silver nanoparticles: environmental aspects,” *Journal of AOAC International*, vol. 100, no. 2, pp. 395–364, 2017.
- [10] D. Dimova, S. Pisov, N. Panchev, M. Nedyalkova, S. Madurga, and A. Proykova, “Insight into electric field-induced rupture mechanism of water-in-toluene emulsion films from a model system,” *The Journal of chemical physics*, vol. 146, no. 19, pp. 19703–19719, 2017.

- [11] S. Madurga, M. Nedyalkova, F. Mas, and J. L. Garcés, “Ionization and conformational equilibria of citric acid: Delocalized proton binding in solution,” *The Journal of Physical Chemistry A*, vol. 121, no. 31, pp. 5894–5906, 2017.
- [12] M. Nedyalkova, B. Donkova, J. Romanova, G. Tzvetkov, M. Madurga, and V. Simeonov, “Iron oxide nanoparticles - in vivo/in vitro biomedical applications and in silico studies.,” *Advances in Colloid and Interface Science*, vol. 249, pp. 192–212, 2017.
- [13] E. Kozuharova, M. Nedyalkova, G. Gergov, and V. Simeonov, “Multivariate statistical classification of plant features-the case with *onobrychis pindicola* subsp. *urumovii* degen dren,” *Comptes rendus de l’Académie bulgare des Sciences*, vol. 70, no. 11, pp. 1531–1539, 2017.
- [14] M. Nedyalkova, H. Hristov, and V. Simeonov, “Statistical approach to study of lithium magnesium metaborate glasses,” *Open Chemistry*, vol. 15, no. 1, pp. 61–66, 2017.
- [15] M. Wiczerzak, B. Kudlak, G. Yotova, M. Nedyalkova, S. Tsakovski, V. Simeonov, and J. Namieśnik, “Modeling of pharmaceuticals mixtures toxicity with deviation ratio and best-fit functions models,” *The Science of the total environment.*, vol. 571, pp. 259–268, 2016.
- [16] M. Nedyalkova, *Book:Computational study of soft Nanoparticles and effect of ions*. Lambert-978-3-659-87210-5, 2018.