

Cuprins Portofoliul de Lucrari

1. B. Stoean, I. Lupan, C. Cristea, M. Sillion, L. Silaghi-Dumitrescu, R. Silaghi-Dumitrescu, **L. Gaina***, Outcomes of folic acid esterification upon the properties of hydrophilic phenothiazinium dyes: New photosensitizers for antimicrobial photodynamic therapy. *Journal of Photochemistry and Photobiology A: Chemistry* 2024, 451, 115500, <https://doi.org/10.1016/j.jphotochem.2024.115500>
2. M. Gal, C. Cristea, A. M. Craciun, A. Turza, L. Barbu-Tudorandl, B. Brem, T. Lovasz, L. Silaghi-Dumitrescu, **L. Gaina***. New fluorescent electrospun polymer materials containing phenothiazinyl carboxylate metal salts for versatile latent fingerprint detection. *Dyes and Pigments* 2023, 111085. <https://doi.org/10.1016/j.dyepig.2023.111085>
3. M. Gal, C. Cristea, T. Lovasz, A.M. Craciun, A. Turza, D. Porumb, E. Gal, G. Katona, L. Silaghi-Dumitrescu, **L. Gaina***. New fluorescent phenothiazine carboxylates for fluorescent nanomaterials. *Journal of Molecular Structure* 1246 (2021) 131174. <https://doi.org/10.1016/j.molstruc.2021.131174>
4. B. Stoean, D. Rugina, M. Focsan, AM.Craciun, M. Nistor, T. Lovasz, A. Turza, D. Porumb, E. Gal, C. Cristea, L. Silaghi-Dumitrescu, S. Astilean, **L. Gaina***. Novel (Phenothiazinyl)Vinyl-Pyridinium Dyes and Their Potential Applications as Cellular Staining Agents. *International Journal of Molecular Sciences* 2021, 22(6), 2985. <https://doi.org/10.3390/ijms22062985>
5. A. Grozav, I.D. Porumb, L. **Gaina***, L. Fililip*, D. Hanganu. Cytotoxicity and Antioxidant Potential of Novel 2-(2-((1H-indol-5yl)methylene)-hydrazinyl)-thiazole Derivatives. *Molecules* 2017, 22(2), 260. <https://doi.org/10.3390/molecules22020260>
6. A. Grozav*, **L. Gaina***, V. Pileczki, O. Crisan, L. Silaghi-Dumitrescu, B. Therrien, V. Zaharia, I. Berindan-Neagoe. The Synthesis and Antiproliferative Activities of New Arylidene-Hydrazinyl-Thiazole Derivatives, *International Journal of Molecular Sciences* 2014, 15(12), 22059-22072. <https://doi.org/10.3390/ijms151222059>
7. **L. Gaina**, I. Torje, E. Gal, A. Lupan, C. Bischin, R. Silaghi-Dumitrescu, G. Damian, P. Lönnecke, C. Cristea, L. Silaghi-Dumitrescu. Microwave assisted synthesis, photophysical and redox properties of phenothiazinyl-vinyl-pyridinium dyes, *Dyes and Pigments* 2014, 102, 1-11. <https://doi.org/10.1016/j.dyepig.2013.10.044>

8. **L. Gaina**, L. Mataranga-Popa, E. Gal, P. Boar, P. Lonneck, E. Hey-Hawkins, C. Bischin, R. Silaghi-Dumitrescu, I. Lupan, C. Cristea, L. Silaghi-Dumitrescu. Microwave-assisted Catalytic Amination of Phenothiazine – Reliable Access to Phenothiazine Analogues of Tröger’s Base. *European Journal of Organic Chemistry* 2013, 24, 5500–5508, [https://doi.org/ 10.1002/ejoc.201300480](https://doi.org/10.1002/ejoc.201300480)

9. **L. Gaina**, E. Gal, L. Mataranga-Popa, D. Porumb, A. Nicolescu, C. Cristea, L. Silaghi-Dumitrescu. Synthesis, structural investigations, and DFT calculations on novel 3-(1,3-dioxan-2-yl)-10-methyl-10H-phenothiazine derivatives with fluorescence properties. *Tetrahedron*, 2011, 68(11), 2465-2470. <https://doi.org/10.1016/j.tet.2012.01.068>

10. **L. Gaina**, A. Csampai, G. Turos, T. Lovasz, V. Zsoldos-Mady, I. Silberg, P. Sohar. (E)-3-(2-Alkyl-10H-phenothiazin-3-yl)-1-arylprop-2-en-1-ones: preparative, IR, NMR and DFT study on their substituent-dependent reactivity in hydrazinolysis and sonication-assisted oxidation with copper(II) nitrate. *Organic & Biomolecular Chemistry*, 2006, 4(23), 4375-4386. [https://doi.org/ 10.1039/b608455a](https://doi.org/10.1039/b608455a)

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