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Confirmat prin Ordin MS

Titlul tezei de doctorat: **Dezvoltare de metode enantioselective pentru determinarea purității optice a unor compuși de interes farmaceutic**

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Specialitatea: Biotehnologie Medicală

Adeverința nr.

Diplomă Seria X Nr. 0023725

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● **COMPETENȚE LINGVISTICE**

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Altă limbă (Alte limbi):

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehensiune orală	Citit	Exprimare scrisă	Conversație	
ROMÂNĂ	C2	C2	C2	C2	C2
ENGLEZĂ	C2	C2	C2	C2	C2
GERMANĂ	A2	A2	A2	A2	A2

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

Listă de publicații
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Teza de doctorat

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Date sumative:

Număr publicații: >60

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Nr. citări: >900

1. Dombi G, Tyukodi L, Dobó M, Molnár G, Rozmer Zs, **Szabó ZI**, Fiser B, Tóth G - *Enantioselective Binding of Proton Pump Inhibitors to Alpha1-Acid Glycoprotein and Human Serum Albumin—A Chromatographic, Spectroscopic, and In Silico Study*, Int. J. Mol. Sci. 2024, 25: 10575.
FI: 4.9
2. Székely-Szentmiklósi I, Rédei EM, **Szabó ZI**, Kovács B, Albert Cs, Gergely AL, Székely-Szentmiklósi B, Sipos E - *Microencapsulation by Complex Coacervation of Lavender Oil Obtained by Steam Distillation at Semi-Industrial Scale*, Foods 2024, 13: 2935.
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3. Székely-Szentmiklósi I, Rédei EM, Kovács B, Gergely AL, Albert Cs, **Szabó ZI**, Székely-Szentmiklósi B, Sipos E - *Investigation of Yarrow Essential Oil Composition and Microencapsulation by Complex Coacervation Technology*, Appl. Sci. 2024, 14: 7867
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4. Benkő MB, Tóth G, Moldvai D, Kádár Sz, Szabó E, **Szabó ZI**, Kraszni M, Sente L, Fiser B, Sebestyén A, Zelkó R, Sebe I - *Cyclodextrin encapsulation enabling the anticancer repositioning of disulfiram: Preparation, analytical and in vitro biological characterization of the inclusion complexes*, Int J Pharm 2024, 657: 124187.
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FI: 4.2
6. Dobó M, Dombi G, Köteles I, Fiser B, Kis Cs, **Szabó ZI** - *Simultaneous Determination of Enantiomeric Purity and Organic Impurities of Dextetropfen Using Reversed-Phase Liquid Chromatography—Enhancing Enantioselectivity through Hysteretic Behavior and Temperature-Dependent Enantiomer Elution Order Reversal on Polysaccharide Chiral Stationary Phases*, Int. J. Mol. Sci 2024, 25: 2697.
IF: 4.9
7. Bitay E, Gergely AL, **Szabó ZI** - *One-Step Preparation of Fiber-Based Chlorzoxazone Solid Dispersion by Centrifugal Spinning*, Polymers, 16: 123.
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8. Papp LA, Hancu G, **Szabó ZI**, Székely-Szentmiklósi B, Gáti T, Fiser B, Kraszni M, Tóth G - *Chiral Separation of Vildagliptin by Capillary Electrophoresis—The Study of Enantiomeric Complexation*, Symmetry 2024, 16: 17.
IF: 2.2
9. Ferencz E, Kelemen ÉK, Obreja M, Tóth G, Urkon M, Zöldhegyi A, Sipos E, **Szabó ZI**. *Applicability of chromatographic retention modeling on chiral stationary phases in reverse-phase mode: A case study for ezetimibe and its impurities*. Int. J. Mol. Sci. 2023, 16097. IF: 5.6
10. Dobó M, Ádám M, Fiser B, Papp LA, Dombi G, Sekkoum K, **Szabó ZI**, Tóth G. *Enantioseparation and molecular docking study of selected chiral pharmaceuticals on a commercialized phenylcarbamate-β-cyclodextrin column using polar organic mode*. Scientific Reports 2023, 13: 14778.
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12. Papp LA, Hancu G, **Szabó ZI**. *Simultaneous determination of enantiomeric and organic impurities of vildagliptin on a cellulose tris (3-chloro-4-methylphenylcarbamate) column under reversed-phase conditions*. J Pharm Biomed Anal 2023, 234: 115495 IF: 3.4
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15. Dombi G, Horváth P, Fiser B, Mirzahosseini A, Dobó M, Szabó ZI, Tóth G. *Enantioselective Human Serum Albumin Binding of Apremilast: Liquid Chromatographic, Fluorescence and Molecular Docking Study*. *International Journal of Molecular Sciences* 2023, 24: 2168. IF: 6.208
16. Bitay E, Gergely AL, Kántor L, Szabó ZI. *Evaluation of Lapatinib-Loaded Microfibers Prepared by Centrifugal Spinning*. *Polymers* 2022, 14: 5557 IF: 4.967
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*corresponding author
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