



CURRICULUM VITAE

Date personale

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Titlu academic: șef de lucrări, dr.

Disciplină, departament: Biochimie și Chimia Factorilor de Mediu, F1

Domeniul profesional de activitate

Specialitate/supraspecializări:

Activitate de cercetare

Teme și direcții de cercetare (max. 3 direcții):

1. Interrelații metabolice între diabet zaharat și procese osteo-articulare
2. Aplicarea conceptelor de *Quality by Design* (QbD) și *Process Analytical Technology* (PAT) în dezvoltarea formelor farmaceutice solide

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Lucrări publicate în extenso (max. 5 lucrări reprezentative):

1. Casian T, Nagy B, Lazurca C, Marcu V, Tőkés EO, Kelemen ÉK, Zöldi K, Oprean R, Nagy ZsK, Tomuța I, Kovács B - *Development of a PAT platform for the prediction of granule tableting properties*, Int J Pharm, 123610, doi: 10.1016/j.ijpharm.2023.123610, Print ISSN: 0378-5173, Online ISSN: 1873-3476, IF: 5,800 (Q1), SRI: 1,114, AIS: 0,715 (Q2)
2. Casian T, Nagy B, Kovács B, Galata DL, Hirsch E, Farkas A - *Challenges and opportunities of implementing data fusion in Process Analytical Technology - A review*, Molecules, 2022, 27, 4846, doi: 10.3390/molecules27154846, ISSN: 1420-3049, IF: 4,927 (Q2), SRI: 1,326, AIS: 0,659 (Q3)
3. Nagy EE, Nagy-Finna Cs, H Popoviciu, Kovács B. *Soluble Biomarkers of Osteoporosis and Osteoarthritis, from Pathway Mapping to Clinical Trials: An Update*, Clin Interv Aging 2020, 15, 501-518, doi: 10.2147/CIA.S242288, ISSN 1176-9092, IF: 4,458 (Q2), SRI: 1,129
4. Kovács B, Boda F, Fülöp I, Székely-Szentmiklósi I, Kelemen ÉK, Kovács-Deák B, Székely-Szentmiklósi B. *HPLC method development for fampridine using Analytical Quality by Design approach*. Acta Pharm 2020, 70, 465-482, doi: 10.2478/acph-2020-0036, ISSN 1330-0075, eISSN 1846-9558, IF: 2,230, SRI: 0,455
5. Kovács B, Vajda E, Nagy E. *Regulatory Effects and Interactions of the Wnt and OPG-RANKL-RANK Signaling at the Bone-Cartilage Interface in Osteoarthritis*. Int J Mol Sci 2019, 20(18), 4653, doi: 10.3390/ijms20184653, ISSN 1422-0067, IF: 4,556 (Q1), SRI: 2,247

