

Dorobek naukowy pracowników Katedry Farmacji Fizycznej i Farmakokinetyki w roku 2020:

1. **Dorota Danielak**, Grzegorz Banach, Juliusz Walaszczyk, Michał Romański, Marek Bawiec, Jadwiga Paszkowska, Monika Zielińska, Jarosław Szodrok, Marcela Wiater, Dagmara Hoc, Bartosz Kołodziej, Grzegorz Garbacz. *A novel open source tool for ELISA result analysis*. J. Pharm. Biomed. Anal. 2020, 189: art. 113415, **IF = 3.935, MinN = 100**
2. Magdalena Kowalówka, Anna K. Głowska, **Marta Karaźniewicz-Łada**, Grzegorz Kosewski. *Clinical significance of analysis of vitamin D status in various diseases*. Nutrients 2020, 12: art. 2788, **IF = 5.717, MinN = 140**
3. Aleksandra Czeszak, **Matylda Resztak**, **Andrzej Czyrski**, Izabela Nowak. *Determination of the partition coefficient of isoquinoline alkaloids from *Chelidonium majus* by reversed phase thin layer chromatography*. New J. Chem. 2020, 44: 7484-7489, **IF = 3.591, MinN = 70**
4. **Matylda Resztak**, **Katarzyna Kosicka**, **Paulina Zalewska**, Justyna Krawiec, **Franciszek K. Głowska**. *Determination of total and free voriconazole in human plasma: Application to pharmacokinetic study and therapeutic monitoring*. J. Pharm. Biomed. Anal. 2020, 178, art. 112952, **IF = 3.935, MinN = 100**
5. **Natasza Czepulis**, Roma Krzywińska-Siemaszko. *Długowieczność a profil lipidowy*. Geriatria 2020, 14: 176-183, **MinN = 5**
6. Bogumił Ramotowski, Paul A. Gurbel, Udaya Tantry, Jan S. Bracha, **Marta Karaźniewicz-Łada**, Zbigniew Lewandowski, Andrzej Budaj. *Effect of smoking cessation on the pharmacokinetics and pharmacodynamics of clopidogrel after PCI: the smoking cessation paradox study*. Thromb. Haemost. 2020, 120: 449-456, **IF = 5.249, MinN = 140**
7. Justyna Chanaj-Kaczmarek, Magdalena Paczkowska, Tomasz Osmałek, Barbara Kaproń, Tomasz Plech, Daria Szymanowska, **Marta Karaźniewicz-Łada**, Joanna Kobus-Cisowska, Judyta Cielecka-Piontek. *Hydrogel delivery system containing *Calendulae flos* lyophilized extract with chitosan as a supporting strategy for wound healing applications*. Pharmaceutics 2020, 12: art. 634, **IF = 6.321, MinN = 100**
8. **Marta Karaźniewicz-Łada**, Dagmara Krzyżańska, **Dorota Danielak**, Janusz Rzeźniczak, **Franciszek Głowska**, Marek Słomczyński, Paweł Burchardt. *Impact of genetic variants of selected cytochrome P450 isoenzymes on pharmacokinetics and pharmacodynamics of clopidogrel in patients co-treated with atorvastatin or rosuvastatin*. Eur. J. Clin. Pharmacol. 2020, 76: 419-430, **IF = 2.953 MinN = 100**
9. **Mohamed Abouzeid**, **Marta Karaźniewicz-Łada**, Kornel Pawlak, Paweł Burchardt, Łukasz Kruszyna, **Franciszek Głowska**. *Measurement of plasma 25-hydroxyvitamin D₂, 25-hydroxyvitamin D₃ and 3-epi-25-hydroxyvitamin D₃ in*

population of patients with cardiovascular disease by UPLC-MS/MS method. J. Chromatogr. B 2020, 1159, art. 122350, **IF = 3.205, MinN = 70**

10. Karina Sommerfeld-Klatta, Barbara Zielińska-Psujka, **Marta Karaźniewicz-Łada, Franciszek K. Główka**. *New methods used in pharmacokinetics and therapeutic monitoring of the first and newer generations of antiepileptic drugs (AEDs)*. *Molecules* 2020, 25: art. 5083, **IF = 4.411, MinN = 100**
11. Agnieszka Karbownik, Danuta Szkutnik-Fiedler, **Andrzej Czyrski**, Natalia Kostewicz, Paulina Kaczmarska, Małgorzata Bekier, Joanna Stanisławiak-Rudowicz, **Marta Karaźniewicz-Łada**, Anna Wolc, **Franciszek Główka**, Edmund Grześkowiak, Edyta Szalek. *Pharmacokinetic interaction between sorafenib and atorvastatin, and sorafenib and metformin in rats*. *Pharmaceutics* 2020, 12: art. 600, **IF = 6.321, MinN = 100**
12. **Dorota Danielak**, Bartłomiej Milanowski, Krzysztof Wentowski, Maria Nogowska, Michał Kątny, Piotr Rogowski, Łukasz Konwicki, Ewa Puk, Jarosław Pieczuro, Marek Bawiec, Grzegorz Garbacz, Janina Lulek. *Physiologically based dissolution testing in a drug development process - a case study of a successful application in a bioequivalence study of trazodone ER formulations under fed conditions*. *AAPS PharmSciTech* 2020, 21: art. 161, **IF = 3.246, MinN = 100**
13. **Dorota Danielak, Michał Romański, Anna Kasprzyk, Artur Teżyk, Franciszek Główka**. *Population pharmacokinetic approach for evaluation of treosulfan and its active monoepoxide disposition in plasma and brain on the basis of a rat model*. *Pharmacol. Rep.* 2020, 72: 1297-1309, **IF = 3.024, MinN = 70**
14. **Andrzej Czyrski**, Hubert Jarzębski. *Response surface methodology as a useful tool for evaluation of the recovery of the fluoroquinolones from plasma - the study on applicability of Box-Behnken Design, Central Composite Design and Doehlert Design*. *Processes* 2020, 8: art. 473, **IF = 2.847, MinN = 70**
15. Agata Szpera-Goździewicz, **Katarzyna Kosicka**, Tomasz Goździewicz, Mariola Krzyścin, Przemysław Wirstlein, **Anna Siemiątkowska, Franciszek K. Główka**, Ewa Wender-Ożegowska, Wiesław Markwitz, Grzegorz H. Bręborowicz. *Serum endocan concentration and its correlation with severity of hypertensive disorders in pregnancy*. *J. Matern. Fetal Neonatal Med.* 2020, 33: 2313-2319, **IF = 2.398, MinN = 70**
16. **Joanna Sobiak**, Marta Kurnatowska, **Maria Chrzanowska**. *Terapeutyczne monitorowanie kwasu mykofenolowego - argumenty za i przeciw*. *Farm. Współcz.* **MinN = 5**
17. **Joanna Sobiak**, Alicja Józwiak, Honorata Wziętek, Jacek Zachwieja, Danuta Ostalska-Nowicka. *The application of inosine 5'-monophosphate dehydrogenase activity determination in peripheral blood mononuclear cells for monitoring mycophenolate mofetil therapy in children with nephrotic syndrome*. *Pharmaceutics* 2020, 13: art. 200, **IF = 5.863, MinN = 100**

18. Agnieszka Karbownik, Joanna Stanisławiak-Rudowicz, Anna Stachowiak, **Michał Romański**, Edmund Grześkowiak, Edyta Szalek. *The influence of paracetamol on the penetration of sorafenib and sorafenib N-oxide through the blood-brain barrier in rats*. Eur. J. Drug Metab. Pharmacokinet. 2020, 45: 801-808, **IF = 2.441**, **MinN = 40**

Łączna punktacja w roku 2020: **IF = 65.457**
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