

## Nagrody i wyróżnienia naukowe

rodzaj wyróżnienia/nagrody	rok
Nagroda Naukowa Rektora Uniwersytetu Medycznego w Białymstoku za osiągnięcia naukowe	otrzymania 2023, 2022, 2021, 2019, 2018, 2017, 2016, 2015, 2014, 2009
Nagroda Naukowa Rektora Uniwersytetu Medycznego w Białymstoku za osiągnięcia dydaktyczne	2023
Nagroda Dydaktyczna Rektora Uniwersytetu Medycznego w Białymstoku za uzyskanie drugiego miejsca w konkursie przeprowadzonym przez Kapitułę Studencką na „Najlepszego Nauczyciela Akademickiego”	2018

## Wykaz prac opublikowanych w latach 2024-2008

(dane z dnia 2018-09-12 wg. <http://biblioteka.umb.edu.pl/cgi-bin/expertus.cgi>)

*współczynnik Hirscha* = 10

IF = 179,3

*punktacja ministerstwa* = 4266

### 2024 rok

Kwiatkowska I, Hermanowicz JM, Czarnomysy R, Surażyński A, Kowalczyk K, Kałafut J, Przybyszewska-Podstawka A, Bielawski K, Rivero-Müller A, Mojzych M, PAWLAK D.: Assessment of an anticancer effect of the simultaneous administration of MM-129 and indoximod in the colorectal cancer model. *Cancers* 2024,16(1), 122 doi.org/10.3390/cancers16010122

### 2023 rok

Nowowiejska J, Baran A, Hermanowicz JM, Sieklucka B, Pawlak D, Flisiak I. Evaluation of Plasma Concentrations of Galectins-1, 2 and 12 in Psoriasis and Their Clinical Implications. *Biomolecules*. 2023 Sep 30;13(10):1472. doi: 10.3390/biom13101472. PMID: 37892153; PMCID: PMC10604582.

Nowowiejska J, Baran A, Pryczynicz A, Hermanowicz JM, Sieklucka B, Pawlak D, Flisiak I. Gasdermin E (GSDME)-A New Potential Marker of Psoriasis and Its Metabolic Complications: The First Combined Study on Human Serum, Urine and Tissue. *Cells*. 2023 Aug 26;12(17):2149. doi: 10.3390/cells12172149. PMID: 37681881; PMCID: PMC10486754.

Nowowiejska J, Baran A, Hermanowicz JM, Pryczynicz A, Sieklucka B, Pawlak D, Flisiak I. Gasdermin C (GSDMC) is overexpressed in psoriatic tissue and elevated in psoriatic serum: A potential marker of cell proliferation and local hypoxia in psoriasis? *Dermatologic Therapy*, 2023; 8; DOI: 10.1155/2023/7813287

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Oct;13(10):2217-2227. doi: 10.1007/s13555-023-00992-2. Epub 2023 Aug 11. PMID: 37568012; PMCID: PMC10539270.

Kowalczyk K, Tomaszewska K, Chilińska J, Krajewska-Kułak E, Sobolewski M, Hermanowicz JM. Subjective assessment of occupational stress and mental health of nurses during the Covid-19 pandemic period. *Front Psychiatry*. 2023 Nov 21;14:1301113. doi: 10.3389/fpsy.2023.1301113. PMID: 38076687; PMCID: PMC10702510.

Nowowiejska J, Baran A, Hermanowicz JM, Pryczynicz A, Sieklucka B, Pawlak D, Flisiak I. Gasdermin D (GSDMD) Is Upregulated in Psoriatic Skin-A New Potential Link in the Pathogenesis of Psoriasis. *Int J Mol Sci*. 2023 Aug 22;24(17):13047. doi: 10.3390/ijms241713047. PMID: 37685853; PMCID: PMC10488204.

Kaławut J, Czerwonka A, Czapla K, Przybyszewska-Podstawka A, Hermanowicz JM, Rivero-Müller A, Borkiewicz L. Regulation of Notch1 Signalling by Long Non-Coding RNAs in Cancers and Other Health Disorders. *Int J Mol Sci*. 2023 Aug 8;24(16):12579. doi: 10.3390/ijms241612579. PMID: 37628760; PMCID: PMC10454443.

Polecka A, Awchimkow A, Owsianko N, Baran A, Hermanowicz JM, Flisiak I. Hand Eczema in the Polish Female Population. *J Clin Med*. 2023 Sep 21;12(18):6102. doi: 10.3390/jcm12186102. PMID: 37763041; PMCID: PMC10531572.

Polecka A, Owsianko N, Awchimkow A, Baran A, Hermanowicz JM, Flisiak I. Questionnaire-Based Study Evaluating the Hand Hygiene Practices and the Impact of Disinfection in the COVID-19 Pandemic on Hand Skin Conditions in Poland. *J Clin Med*. 2022 Dec 27;12(1):195. doi: 10.3390/jcm12010195. PMID: 36614996; PMCID: PMC9821516.

Rozkiewicz D, Hermanowicz JM, Kwiatkowska I, Krupa A, Pawlak D. Bruton's Tyrosine Kinase Inhibitors (BTKIs): Review of Preclinical Studies and Evaluation of Clinical Trials. *Molecules*. 2023 Mar 6;28(5):2400. doi: 10.3390/molecules28052400. PMID: 36903645; PMCID: PMC10005125.

Górska E, Tylicka M, Hermanowicz A, Matuszczak E, Sankiewicz A, Gorodkiewicz E, Hermanowicz J, Karpińska E, Socha K, Kochanowicz J, Jakoniuk M, Kamińska J, Homšak E, Koper-Lenkiewicz OM. UCHL1, besides leptin and fibronectin, also could be a sensitive marker of the relapsing-remitting type of multiple sclerosis. *Sci Rep*. 2023 Feb 28;13(1):3423. doi: 10.1038/s41598-023-30237-3. PMID: 36854961; PMCID: PMC9974955.

## **2022 rok**

Kowalczyk K, Shpakou A, Hermanowicz JM, Krajewska-Kułak E, Sobolewski M. Strategies for Coping With Stress Used by Nurses in Poland and Belarus During the COVID-19 Pandemic. *Front Psychiatry*. 2022 Apr 27;13:867148. doi: 10.3389/fpsy.2022.867148. PMID: 35573328; PMCID: PMC9091959.

Nowowiejska J, Baran A, Hermanowicz JM, Sieklucka B, Krahel JA, Kiluk P, Pawlak D, Flisiak I. Fatty Acid-Binding Protein 7 (FABP-7), Glutamic Acid and Neurofilament Light Chain (NFL) as Potential Markers of Neurodegenerative Disorders in Psoriatic Patients-A Pilot Study. *J Clin Med*. 2022 Apr 26;11(9):2430. doi: 10.3390/jcm11092430. PMID: 35566558; PMCID: PMC9105148.

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Nowowiejska J, Baran A, Hermanowicz JM, Mikłosz J, Kamiński KA, Kondraciuk M, Dubatówka M, Pawlak D, Flisiak I. Angiopoietin-Like 4 (ANGPTL4) in Patients with Psoriasis, Lichen Planus and Vitiligo-A Pilot Study from the Bialystok+ Polish Longitudinal University Study. *Metabolites*. 2022 Sep 17;12(9):877. doi: 10.3390/metabo12090877. PMID: 36144281; PMCID: PMC9500972.

Kwiatkowska I, Hermanowicz JM, Iwinska Z, Kowalczyk K, Iwanowska J, Pawlak D. Zebrafish-An Optimal Model in Experimental Oncology. *Molecules*. 2022 Jun 30;27(13):4223. doi: 10.3390/molecules27134223. PMID: 35807468; PMCID: PMC9268704.

## **2021 rok**

Rzepka Z, Rok J, Maszczyk M, Beberok A, Hermanowicz JM, Pawlak D, Gryko D, Wrześniok D. Response of Human Glioblastoma Cells to Vitamin B12 Deficiency: A Study Using the Non-Toxic Cobalamin Antagonist. *Biology (Basel)*. 2021 Jan 19;10(1):69. doi: 10.3390/biology10010069. PMID: 33478021; PMCID: PMC7835758.

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Kwiatkowska I, Hermanowicz JM, Przybyszewska-Podstawka A, Pawlak D. Not Only Immune Escape-The Confusing Role of the TRP Metabolic Pathway in Carcinogenesis. *Cancers (Basel)*. 2021 May 28;13(11):2667. doi: 10.3390/cancers13112667. PMID: 34071442; PMCID: PMC8198784.

Sieklucka B, Pawlak D, Domaniewski T, Hermanowicz J, Lipowicz P, Doroszko M, Pawlak K. Serum PTH, PTH1R/ATF4 pathway, and the sRANKL/OPG system in bone as a new link between bone growth, cross-sectional geometry, and strength in young rats with experimental chronic kidney disease. *Cytokine*. 2021 Dec;148:155685. doi: 10.1016/j.cyto.2021.155685. Epub 2021 Aug 16. PMID: 34411988.

Komarowska MD, Grubczak K, Czerniecki J, Hermanowicz A, Hermanowicz JM, Debek W, Matuszczak E. Identification of the Bisphenol A (BPA) and the Two Analogues BPS and BPF in Cryptorchidism. *Front Endocrinol (Lausanne)*. 2021 Jul 14;12:694669. doi: 10.3389/fendo.2021.694669. PMID: 34335471; PMCID: PMC8318035.

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Inhib Med Chem. 2021 Dec;36(1):535-548. doi: 10.1080/14756366.2021.1879803. PMID: 33522320; PMCID: PMC7850456.

Hermanowicz JM, Kalaska B, Pawlak K, Sieklucka B, Miklosz J, Mojzych M, Pawlak D. Preclinical Toxicity and Safety of MM-129-First-in-Class BTK/PD-L1 Inhibitor as a Potential Candidate against Colon Cancer. *Pharmaceutics*. 2021 Aug 7;13(8):1222. doi: 10.3390/pharmaceutics13081222. PMID: 34452183; PMCID: PMC8400941.

## 2020 rok

Rozkiewicz D, Hermanowicz JM, Tankiewicz-Kwedlo A, Sieklucka B, Pawlak Krystyna, Czarnomysy R, Bielawski K, Surazynski A, Kalafut J, Przybyszewska A, Koda M, Jakubowska K, Rivero-Muller A, Pawlak D. The intensification of anticancer activity of LFM-A13 by erythro-poietin as a possible option for inhibition of breast cancer. *J. Enzyme Inhib. Med. Chem* 2020; DOI: 10.1080/14756366.2020.1818738

Karbowska M, Hermanowicz JM, Tankiewicz-Kwedlo A, et al. Neurobehavioral effects of uremic toxin-indoxyl sulfate in the rat model. *Sci Rep*. 2020;10(1):9483. Published 2020 Jun 11. doi:10.1038/s41598-020-66421-y

Wróbel A, Kolesińska B, Frączyk J, et al. Synthesis and cellular effects of novel 1,3,5-triazine derivatives in DLD and Ht-29 human colon cancer cell lines. *Invest New Drugs*. 2020;38(4):990-1002.

Hermanowicz J, Sieklucka B, Nosek K, Pawlak D. Intracellular mechanisms of tumor cells' immunoresistance. *Acta Biochim Pol*. 2020;67(2):143-148.

Hermanowicz JM, Kwiatkowska I, Pawlak D. Important players in carcinogenesis as potential targets in cancer therapy: an update. *Oncotarget*. 2020;11(32):3078-3101.

Czarnomysy R, Radomska D, Muszyńska A, et al. Evaluation of the Anticancer Activities of Novel Transition Metal Complexes with Berenil and Nitroimidazole. *Molecules*. 2020;25(12):2860.

## 2018 rok

Tankiewicz-Kwedlo A, HERMANOWICZ JM, Pawlak K, Czarnomysy R, Bielawski K, Prokop I, Pawlak D. *Erythropoietin Intensifies the Proapoptotic Activity of LFM-A13 in Cells and in a Mouse Model of Colorectal Cancer*. *Int J Mol Sci*. 2018 Apr 23;19(4). pii: E1262. doi: 10.3390/ijms19041262.

Tankiewicz-Kwedlo A, HERMANOWICZ JM, Domaniewski T, Pawlak K, Rusak M, Pryczynicz A, Surazynski A, Kaminski T, Kazberuk A, Pawlak D. *Simultaneous use of erythropoietin and LFM-A13 as a new therapeutic approach for colorectal cancer*. *Br J Pharmacol*. 2018 Mar;175(5):743-762. doi: 10.1111/bph.14099. Epub 2018 Jan 25. PubMed PMID: 29160911; PubMed Central PMCID: PMC5811618.

## 2017 rok

Tankiewicz-Kwedlo A, HERMANOWICZ JM, Surazynski A, Kwedlo W, Rozkiewicz D, Pawlak K, Domaniewski T, Pawlak D. *Erythropoietin Enhances the Cytotoxic Effect of Hydrogen Peroxide on Colon Cancer Cells*. *Curr Pharm Biotechnol*. 2017;18(2):127-137. doi: 10.2174/1389201018666161116092907. PubMed PMID: 27903235.

## 2016 rok

Tankiewicz-Kwedlo A, Hermanowicz J, Surazynski A, Rozkiewicz D, Pryczynicz A, Domaniewski T, Pawlak K, Kemon A, Pawlak D. *Erythropoietin accelerates tumor growth through increase of*

erythropoietin receptor (EpoR) as well as by the stimulation of angiogenesis in DLD-1 and Ht-29 xenografts. **Mol Cell Biochem.** 2016 Oct;421(1-2):1-18.

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## 2015 rok

HERMANOWICZ JM., Buczko P., Tankiewicz-Kwedlo A., Hermanowicz A., Buczko W. *Impact of aliskiren on some hemostatic parameters in experimental arterial thrombosis in rats.* **Pharmacol Rep.** 67, 173-178, 2015.

## 2014 rok

Mogielnicki A., Kramkowski K., HERMANOWICZ JM., Leszczyńska A., Przyborowski K., Buczko W.: *Angiotensin-(1-9) enhances stasis-induced venous thrombosis in the rat because of the impairment of fibrinolysis.* **Journal of the Renin-Angiotensin-Aldosterone System** 2014 Mar;15(1):13-21.

## 2013 rok

HERMANOWICZ JM., Hermanowicz A., Buczko P., Leszczyńska A., Tankiewicz-Kwedlo A., Mogielnicki A., Buczko W.: *Aliskiren inhibits experimental venous thrombosis in two-kidney one-clip hypertensive rats.* **Thrombosis Research** 131 (1), 39 – 44, 2013

## 2012 rok

Cyűnczyk M., Jarocka I., Hodun T., HERMANOWICZ JM.: *Protective effect of sweet grass and black berries beverages on ethanol-induced disturbances in brain fatty AIDS.* **Progress in Health Sciences** 2 (2), 130-139, 2012

## 2010 rok

HERMANOWICZ JM., Leszczynska A., Mogielnicki A.: *Effects of aliskiren on blood pressure and venous thrombosis in renovascular hypertensive 2-kidney 1-clip (2K-1C) rats.* **Pharmacol Rep.** 62, 79-80, 2010

## 2008 rok

Buczko W., HERMANOWICZ JM.: *Pharmacokinetics and pharmacodynamics of aliskiren, an oral direct renin inhibitor.* **Pharmacol Rep.** 60 (5), 623-631, 2008

Mogielnicki A., Kramkowski K., HERMANOWICZ JM., Buczko W.: *N-methylnicotinamide failed to induce endothelial prostacyclin release in perfused rat hindquarters.* **Pharmacol Rep.** 60 (6), 1025-1029, 2008

HERMANOWICZ JM., Buczko W.: *Aliskiren - doustny inhibitor reniny.* **Kardiol Pol.**, 66 (10), 358-361, 2008

