

## Bibliografie

1. Kaczmarczyk-Sedlak I., Ciołkowski A. (2017) Zioła w medycynie. Choroby układu oddechowego. PZWL Wydawnictwo Lekarskie.
2. Mehra, M. R., Desai, S. S., Kuy, S., Henry, T. D., & Patel, A. N. (2020). Cardiovascular disease, drug therapy, and mortality in COVID-19. *New England Journal of Medicine*.
3. Guan, W. J., Liang, W. H., Zhao, Y., Liang, H. R., Chen, Z. S., Li, Y. M., ... & Ou, C. Q. (2020). Comorbidity and its impact on 1590 patients with Covid-19 in China: A Nationwide Analysis. *European Respiratory Journal*, 55(5).
4. Li, Y., Yao, J., Han, C., Yang, J., Chaudhry, M. T., Wang, S., ... & Yin, Y. (2016). Quercetin, inflammation and immunity. *Nutrients*, 8(3), 167.
5. Boots, A. W., Haenen, G. R., & Bast, A. (2008). Health effects of quercetin: from antioxidant to nutraceutical. *European journal of pharmacology*, 585(2-3), 325-337.
6. Mlcek, J., Jurikova, T., Skrovankova, S., & Sochor, J. (2016). Quercetin and its anti-allergic immune response. *Molecules*, 21(5), 623.
7. Miles, S. L., McFarland, M., & Niles, R. M. (2014). Molecular and physiological actions of quercetin: need for clinical trials to assess its benefits in human disease. *Nutrition reviews*, 72(11), 720-734.
8. Wu, W., Li, R., Li, X., He, J., Jiang, S., Liu, S., & Yang, J. (2016). Quercetin as an antiviral agent inhibits influenza A virus (IAV) entry. *Viruses*, 8(1), 6.
9. Jo, S., Kim, S., Shin, D. H., & Kim, M. S. (2020). Inhibition of SARS-CoV 3CL protease by flavonoids. *Journal of enzyme inhibition and medicinal chemistry*, 35(1), 145-151.
10. Rane, J. S., Chatterjee, A., Kumar, A., & Ray, S. (2020). Targeting SARS-CoV-2 Spike Protein of COVID-19 with Naturally Occurring Phytochemicals: An in Silico Study for Drug Development.
11. Luo, E., Zhang, D., Luo, H., Liu, B., Zhao, K., Zhao, Y., ... & Wang, Y. (2020). Treatment efficacy analysis of traditional Chinese medicine for novel coronavirus pneumonia (COVID-19): an empirical study from Wuhan, Hubei Province, China. *Chinese Medicine*, 15, 1-13.
12. Islam, M. T., Sarkar, C., El-Kersh, D. M., Jamaddar, S., Uddin, S. J., Shilpi, J. A., & Mubarak, M. S. (2020). Natural products and their derivatives against coronavirus: A review of the non clinical and pre clinical data. *Phytotherapy Research*.
13. Zakaryan, H., Arabyan, E., Oo, A., & Zandi, K. (2017). Flavonoids: promising natural compounds against viral infections. *Archives of virology*, 162(9), 2539-2551.
14. Kaczmarczyk-Sedlak I., Ciołkowski A. (2019) Zioła w medycynie. Choroby układu krążenia. PZWL Wydawnictwo Lekarskie.
15. Vrijisen, R., Everaert, L., & Boeyé, A. (1988). Antiviral activity of flavones and potentiation by ascorbate. *Journal of General Virology*, 69(7), 1749-1751.
16. Smith, M., & Smith, J. C. (2020). Repurposing therapeutics for COVID-19: supercomputer-based docking to the SARS-CoV-2 viral spike protein and viral spike protein-human ACE2 interface.
17. Yan, H., Ma, L., Wang, H., Wu, S., Huang, H., Gu, Z., ... & Li, Y. (2019). Luteolin decreases the yield of influenza A virus in vitro by interfering with the coat protein I complex expression. *Journal of natural medicines*, 73(3), 487-496.
18. Hernández-Rodríguez, P., Baquero, L. P., & Larrota, H. R. (2019). Flavonoids: Potential Therapeutic Agents by Their Antioxidant Capacity. In *Bioactive Compounds* (pp. 265-288). Woodhead Publishing.
19. Riva, A., Ronchi, M., Petrangolini, G., Bosisio, S., & Allegrini, P. (2019). Improved oral absorption of quercetin from quercetin phytosome®, a new delivery system based on food grade lecithin. *European journal of drug metabolism and pharmacokinetics*, 44(2), 169-177.
20. Fukada T., Yamasaki S., Nishida K., Murakami M., Hirano T. Zinc homeostasis and signaling in health and diseases: Zinc signaling. *J. Biol. Inorg. Chem.* 2011; 16(7): 1123–1134.
21. Stefanidou M., Maravelias C., Dona A., Spiliopoulou C. Zinc: a multipurpose trace element. *Arch. Toxicol.* 2006; 80(1): 1–9.
22. Mońka, I., & Wiechuła, D. (2017). Znaczenie cynku dla organizmu ludzkiego w aspekcie suplementacji tego pierwiastka. In *Annales Academiae Medicae Silesiensis* (Vol. 71, pp. 314-325).
23. Te Velhuis, A. J., van den Worm, S. H., Sims, A. C., Baric, R. S., Snijder, E. J., & van Hemert, M. J. (2010). Zn<sup>2+</sup> inhibits coronavirus and arterivirus RNA polymerase activity in vitro and zinc ionophores block the replication of these viruses in cell culture. *PLoS pathogens*, 6(11), e1001176.
24. Carlucci, P., Ahuja, T., Petrilli, C. M., Rajagopalan, H., Jones, S., & Rahimian, J. (2020). Hydroxychloroquine and azithromycin plus zinc vs hydroxychloroquine and azithromycin alone: outcomes in hospitalized COVID-19 patients. *medRxiv*.
25. Szeleszczuk, Ł., Zielińska-Pisklak, M., & Goś, P. (2013). Propolis—panaceum prosto z ula. *Farmakoterapia*, 23, 6-7.
26. Kubina, R., Kabała-Dzik, A., & Wojtyczka, R. D. (2009). Przeciwbakteryjne działanie galanginy zawartej w propolisie w stosunku do bakterii Gram-dodatnich. *Farm. Przegl. Nauk*, 8, 24-26.
27. Salomão, K., Dantas, A. P., Borba, C. M., Campos, L. C., Machado, D. G., Aquino Neto, F. R., & De Castro, S. L. (2004). Chemical composition and microbicidal activity of extracts from Brazilian and Bulgarian propolis. *Letters in Applied Microbiology*, 38(2), 87-92.

28. Wolska, K., Górska, A., & Adamiak, A. (2016). Właściwości przeciwbakteryjne propolisu. *Postępy Mikrobiologii*, 55(4).
29. Jalali, M., Ranjbar, T., Mosallanezhad, Z., Mahmoodi, M., Moosavian, S. P., Ferns, G., ... & Sohrabi, Z. (2020). Effect of Propolis supplementation on serum CRP and TNF- $\alpha$  levels in adults: A systematic review and meta-analysis of clinical trials. *Complementary Therapies in Medicine*, 102380.
30. Machado, J. L., Assunção, A. K. M., da Silva, M. C. P., Reis, A. S. D., Costa, G. C., Arruda, D. D. S., ... & Berretta, A. A. (2012). Brazilian green propolis: anti-inflammatory property by an immunomodulatory activity. *Evidence-Based Complementary and Alternative Medicine*, 2012.
31. Paulino, N., Abreu, S. R. L., Uto, Y., Koyama, D., Nagasawa, H., Hori, H., ... & Bretz, W. A. (2008). Anti-inflammatory effects of a bioavailable compound, Artepillin C, in Brazilian propolis. *European Journal of Pharmacology*, 587(1-3), 296-301.
32. Urushisaki, T., Takemura, T., Tazawa, S., Fukuoka, M., Hosokawa-Muto, J., Araki, Y., & Kuwata, K. (2011). Caffeoylquinic acids are major constituents with potent anti-influenza effects in brazilian green propolis water extract. *Evidence-Based Complementary and Alternative Medicine*, 2011.
33. Pobiega, K., Gniewosz, M., & Kraśniewska, K. (2017). Antimicrobial and antiviral properties of different types of propolis. *Zesz. Probl. Postępów Nauk Rol*, 589, 69-79.
34. Mohamed, S. S. E. Propolis anti-viral activity towards COVID-19: is it effective?
35. Hashem, H. (2020). IN Silico approach of some selected honey constituents as SARS-CoV-2 main protease (COVID-19) inhibitors.
36. Maaroufi, H. (2020). LxxIxE-like Motif in Spike Protein of SARS-CoV-2 that is Known to Recruit the Host PP2A-B56 Phosphatase Mimics Artepillin C, an Immunomodulator, of Brazilian Green Propolis. *bioRxiv*.
37. Maruta, H., & He, H. A Mini-Review for COVID-19 issue (2020).
38. Xu, S., & Liu, P. (2013). Tanshinone II-A: new perspectives for old remedies.
39. Ekiert, H., Ekiert, R., & Muszyńska, B. (2014). Nowości dotyczące roślinnych surowców leczniczych w polskich i europejskich monografiach farmakopealnych 2009–2013. Część I. *Błędy związane z wydawaniem leków, sytuacja w Polsce i na świecie*, 70(1), 34-47.
40. Zhou, L., Zuo, Z., & Chow, M. S. S. (2005). Danshen: an overview of its chemistry, pharmacology, pharmacokinetics, and clinical use. *The Journal of Clinical Pharmacology*, 45(12), 1345-1359.
41. Gao, H., Huang, L., Ding, F., Yang, K., Feng, Y., Tang, H., ... & Yang, S. (2018). Simultaneous purification of dihydrotanshinone, tanshinone I, cryptotanshinone, and tanshinone IIA from *Salvia miltiorrhiza* and their anti-inflammatory activities investigation. *Scientific reports*, 8(1), 1-13.
42. Wang, M., Firman, J., Liu, L., & Yam, K. (2019). A review on flavonoid apigenin: Dietary intake, ADME, antimicrobial effects, and interactions with human gut microbiota. *BioMed research international*, 2019.
43. Rogala, D., Kulik-Kupka, K., Spychała, A., Śnieżek, E., Janicka, A., & Moskalenko, O. (2016). Bisfenol A – niebezpieczny związek ukryty w tworzywach sztucznych. *Probl Hig Epidemiol*, 97, 213-219.
44. Kaczmarczyk-Sedlak I., Ciołkowski A. (2017) *Zioła w medycynie. Choroby układu pokarmowego*. PZWL Wydawnictwo Lekarskie.
45. Kolda S., Gibson G.R. 2007. Prebiotic capacity of inulin-type fructans. *Journal Nutrition*, 137 (11 Suppl), 2503S–2506S.