

Publikacje – 2018 rok

1. Anisiewicz A., Pawlik A., Filip-Psurska B., Turlej E., Dzimira S., Milczarek M., Gdesz K., Papiernik D., Jarosz J., Kłopotowska D., Kutner A., Mazur A., Wietrzyk J.: Unfavorable effect of calcitriol and its low-calcemic analogs on metastasis of 4T1 mouse mammary gland cancer. *Int J Oncology*, 2018, 52(1): 103-126, **IF 3,571 (25 pkt MNiSW)**
2. Anger N., Rossowska J.: Komórki supresorowe pochodzenia mieloidalnego jako potencjalny cel terapii przeciwnowotworowych. *Post Hig Med Dośw.*, 2018, 72:11791198, **IF 1,106 (15 pkt MNiSW)**
3. Antoszczak M., Urbaniak A., Delgado M., Maj E., Borgstrom B., Wietrzyk J., Huczynski A., Yuan Y., Chambers T.C., Strand D.: Biological activity of doubly modified salinomycin analogs – evaluation *in vitro* and *ex vivo*. *European Journal of Medicinal Chemistry*, 2018, 156: 510-523, **IF 4,833 (40 pkt MNiSW)**
4. Arbulo-Echevarria M.M., Narbona-Sánchez I., Fernandez-Ponce C.M., Vico-Barranco I., Rueda-Ygueravide M.D., Dustin M.L., Miazek A., Duran-Ruiz M.C., García-Cózar F., Aguado E.: A stretch of negatively charged amino acids of linker for activation of T-cell adaptor has a dual role in T-cell antigen receptor intracellular signaling. *Front Immunol.*, 2018, 9:115, **IF 4,716 (35 pkt MNiSW)**
5. Artym J., Kocięba M., Zaczyńska E., Adamik B., Kübler A., Zimecki M., Kruzel M.: Immunomodulatory properties of human recombinant lactoferrin in mice: Implications for therapeutic use in humans. *Adv Clin Exp Med.*, 2018, 27:391-399, **IF 1,227 (15 pkt MNiSW)**
6. Artym J., Kocięba M., Zaczyńska E., Kochanowska I., Zimecki M., Kałas W., Fiedorowicz A., Pawlak A., Strządała L., Jeleń M., Morak-Młodawska B., Pluta K., Kaleta-Kuratewicz K., Madej J.P., Kuropka P., Kuryszko J.: Topically applied azaphenothiazines inhibit experimental psoriasis in mice. *Int. Immunopharmacol.* 2018, 59:276–286, **IF 3,361 (30 pkt MNiSW)**
7. Artym J., Kocięba M., Zaczyńska E., Zimecki M., Jeleń M., Morak-Młodawska B., Pluta K., Kaleta-Kuratewicz K., Madej J.P., Kuropka P., Kuryszko J.: Topically applied azaphenothiazines inhibit contact sensitivity to oxazolone in mice. *Histol Histopathol.*, 2018, 33(2):223-236, **IF 1,777 (25 pkt MNiSW)**
8. Bartmańska A., Tronina T., Popłoński J., Milczarek M., Filip-Psurska B., Wietrzyk J.: Highly cancer selective antiproliferative activity of natural prenylated flavonoids. *Molecules*, 2018, 23(11), 2922, **IF 3,060 (30 pkt MNiSW)**
9. Bączkiewicz D., Skiba G., Czerner M., Majorczyk E.: Gait and functional status analysis before and after total knee arthroplasty. *Knee*, 2018, t. XXV, s.888-896, **IF 1,762 (30 pkt MNiSW)**
10. Bełcik M.K., Trusz-Zdybek A., Zaczyńska E., Czarny A., Piekarska K.: Genotoxic and cytotoxic properties of PM2.5 collected over the year in Wrocław (Poland). *Science of the Total Environment*, 2018, 637-638:480-497, **IF 5,589 (40 pkt MNiSW)**
11. Bińkowska A., Biernat M.M., Łaczmanski Ł., Gościński G.: Molecular patterns of resistance among *Helicobacter pylori* strains in south-western Poland. *Front Microbiol.*, 2018, 9:3154, **IF 4,259 (35 pkt MNiSW)**
12. Boratyński P.J., Gałęzowska J., Turkowiak K., Anisiewicz A., Kowalczyk R., Wietrzyk J.: Triazole biheterocycles from *Cinchona* alkaloids: coordination and antiproliferative properties. *Chemistry Select*, 2018, 3 (32): 9368-9373, **IF 1,716**

13. Borysowski J., Saxena A., Bateman-House A., Papaluca M., Różyńska J., WnukiewiczKozłowska A., Górski A.: Expanded access: growing importance to public health. *J Epidemiol Community Health*, 2018, 72(7):557-558, **IF 3,872 (40 pkt MNiSW)**
14. Brzozowska E., Leśniewski A., Sęk S., Wieneke R., Tampé R., Górka S., JönssonNiedziółka M., Niedziółka-Jönsson J.: Interactions of bacteriophage T4 adhesin with selected lipopolysaccharides studied using atomic force microscopy. *Scientific Reports*, 2018, 8:10935, **IF 4,011 (40 pkt MNiSW)**
15. Buczek E., Denslow A., Mateuszuk Ł., Proniewski B., Wojcik T., Sitek B., Fedorowicz A., Jasztal A., Kus E., Chmura-Skirlinska A., Gurbiel R., Wietrzyk J., Chlopicki S.: Alterations in NO- and PGI2- dependent function in aorta in the orthotopic murine model of metastatic 4T1 breast cancer: relationship with pulmonary endothelial dysfunction and systemic inflammation. *BMC Cancer*, 2018, 18:582, **IF 2,933 (30 pkt MNiSW)**
16. Butrym A., Kryczek I., Dłubek D., Jaskula E., Lange A., Jurczyszyn A., Mazur G.: High expression of CC chemokine receptor 5 (CCR5) promotes disease progression in patients with B-cell non-Hodgkin lymphomas. *Curr Probl Cancer*, 2018, 42(2):268-275, **IF 3,698 (25 pkt MNiSW)**
17. Butrym A., Łacina P., Kuliczkowski K., Bogunia-Kubik K., Mazur G.: Genetic variation of the gene coding for microRNA-204 (miR-204) is a risk factor in acute myeloid leukaemia. *BMC Cancer*, 2018, 30;18(1):107, **IF 2,933 (30 pkt MNiSW)**
18. Bylińska A., Wilczyńska K., Malejczyk J., Milewski Ł., Wagner M., Jasek J., NiepiekłoMiniewska W., Wiśniewski A., Płoski R., Barcz E., Roszkowski P., Kamiński P., Malinowski A., Wilczyński J.R., Radwan P., Radwan M., Kuśnierczyk P., Nowak I.: The impact of HLA-G, LILRB1 and LILRB2 gene polymorphisms on susceptibility to and severity of endometriosis. *Mol Genet Genomics*, 2018, 293(3):601-613, **IF 2,879 (25 pkt MNiSW)**
19. Ciechomska M., Bonek K., Merdas M., Zarecki P., Swierkot J., Gluszko P., BoguniaKubik K., Maslinski W.: Changes in miRNA-5196 expression as a potential biomarker of anti-TNF- α therapy in rheumatoid arthritis and ankylosing spondylitis patients. *Arch Immunol Ther Exp (Warsz)*, 2018, 66(4):389-397, **IF 2,878 (25 pkt MNiSW)**
20. Chachaj A., Puła B., Chabowski M., Grzegorzówka J., Szahidewicz-Krupska E., Karczewski M., Janczak D., Dzięgiel P., Podhorska-Okołów M., Mazur G., Gamian A., Szuba A.: Role of the lymphatic system in the pathogenesis of hypertension in humans. *Lymphat Res Biol.*, 2018, 16(2):140-146, **IF 1,493 (25 pkt MNiSW)**
21. Chachaj A., Wiśniewski J., Rybka J., Butrym A., Biedroń M., Krzystek-Korpacka M., Fleszar M.G., Karczewski M., Wróbel T., Mazur G., Gamian A., Szuba A.: Asymmetric and symmetric dimethylarginines and mortality in patients with hematological malignancies-A prospective study. *PLoS One*, 2018, 22;13(5):e0197148, **IF 2,776 (40 pkt MNiSW)**
22. Czajkowska A., Szponar B.: Short chain fatty acids (SCFA), the products of gut bacteria metabolism and their role in the host. *Postępy Higieny i Medycyny Doświadczalnej*, 2018, 72:131-142, **IF 1,106 (15 pkt MNiSW)**
23. Czarnecka M., Świtalska M., Wietrzyk J., Maciejewska G., Gliszczyńska A: Synthesis and biological evaluation of phosphatidylcholines with cinnamic and 3-methoxycinnamic acids with potent antiproliferative activity. *RSC Adv.*, 2018, 8: 35744-35752, **IF 3,049 (35 pkt)**

MNiSW)

24. Czarnecka M., Świtalska M., Wietrzyk J., Maciejewska G., Gliszczyńska A.: Synthesis, characterization, and *in vitro* cancer cell growth inhibition evaluation of novel phosphatidylcholines with anisic and veratric acids. *Molecules*, 2018, 23 (8): 2022, **IF 3,060 (30 pkt MNiSW)**
25. Danel D.P., Valentova J.V., Sánchez O.R., Leongómez J.D., Varella M.A.C., Kleisner K.: A cross-cultural study of sex-typicality and averageness: Correlation between frontal and lateral measures of human faces. *American Journal of Human Biology*, 2018, 30(5):e23147, **IF 1,438 (35 pkt MNiSW)**
26. Danel D.P., Wacewicz S., Lewandowski Z., Żywicznyński P., Perea-Garcia J.O.: Humans do not perceive conspecifics with a greater exposed sclera as more trustworthy: a preliminary cross-ethnic study of the function of the overexposed human sclera. *Acta Ethologica*, 2018, 21(3): 203–208, **IF 0,966 (20 pkt MNiSW)**
27. Dobrut A., Brzozowska E., Górska S., Pyclik M., Gamian A., Bulanda M., Majewska E., Brzychczy-Włoch M.: Epitopes of immunoreactive proteins of *Streptococcus agalactiae*: enolase, inosine 5'-monophosphate dehydrogenase and molecular chaperone GroEL. *Front Cell Infect Microbiol.*, 2018, 8:349, **IF 3,518 (40 pkt MNiSW)**
28. Drab M.: Phage aggregation-dispersion by ions: striving beyond antibacterial therapy. *Trends Biotechnol.*, 2018, 36(9):875-881, **IF 13,747 (45 pkt MNiSW)**
29. Dudek M., Deiana M., Pokladek Z., Pawlik K., Matczyszyn K.: Reversible photocontrol of DNA melting by visible-light-responsive F4-coordinated azobenzene compounds. *Chem – A Eur J*, 2018, 24(71):18963-18970, **IF 5,160 (40 pkt MNiSW)**
30. Dzimitrowicz A., Bielawska-Pohl A., diCenzo G.C., Jamroz P., Macioszczyk J., Klimczak A., Pohl P.: Pulse-modulated radio-frequency alternating-current-driven atmospheric-pressure glow discharge for continuous-flow synthesis of silver nanoparticles and evaluation of their cytotoxicity toward human melanoma cells. *Nanomaterials*, 2018, 8, **IF 4,034 (35 pkt MNiSW)**
31. Fandzloch M., Dobrzańska L., Jezierska J., Filip-Psurska B., Wiśniewska J., Wietrzyk J., Salas J.M., Łakomska I.: In search of new anticancer drug – Dimethylsulfoxide ruthenium(III) complex with bulky triazolopyrimidine derivative and preliminary studies towards understanding the mode of action. *Polyhedron*, 2018, 141: 239-246, **IF 2,284 (30 pkt MNiSW)**
32. Fink K., Kobak K., Kasztura M., Boratyński J., Goszczyński T.M.: Synthesis and biological activity of thymosin β 4-anionic boron cluster conjugates. *Bioconjugate Chem.*, 2018, 29: 3509-3515, **IF 4,349 (40 pkt MNiSW)**
33. Fiszer-Maliszewska Ł., Łaczmański Ł., Dolińska A., Jagas M., Kołodziejska E., Jankowska M., Kuśnierczyk P.: Polymorphisms of ABCB1, CYP3A4 and CYP3A5 genes in ovarian cancer and treatment response in Poles. *Anticancer Res.*, 2018, 38(3):1455-1459, **IF 1,935 (20 pkt MNiSW)**
34. Frydecka D., Krzystek-Korpacka M., Lubeiro A., Stramecki F., Stańczykiewicz B., Beszlej J.A., Piotrowski P., Kotowicz K., Szewczuk-Bogusławska M., Pawlak-Adamska E., Misiak B.: Profiling inflammatory signatures of schizophrenia: A cross-sectional and metaanalysis study. *Brain Behav Immun.*, 2018, 71:28-36, **IF 6,170 (40 pkt MNiSW)**
35. Futoma K., Klimczak A.: Nerwiaki pourazowe przyczyną poamputacyjnego bólu neuropatycznego: epidemiologia, mechanizmy i czynniki zaangażowane w powstawaniu bólu. *Post Hig Med Dośw*, 2018, 72:937-952, **IF 1,106 (15 pkt MNiSW)**

36. Gaasterland C.M.W., Jansen-van der Weide M.C., Vroom E., Leeson-Beevers K., Kaatee M., Kaczmarek R., Bartels B., van der Pol W.L., Roes K.C.B., van der Lee J.H.: The POWER-tool: recommendations for involving patient representatives in choosing relevant outcome measures during rare disease clinical trial design. *Health Policy*, 2018, 122(12):1287-1294, **IF 2,075 (30 pkt MNiSW)**
37. Gilewska A., Masternak J., Kazimierczuk K., Trynda J., Wietrzyk J., Barszcz B.: Synthesis, structure, DNA binding and anticancer activity of mixed ligand ruthenium(II) complex. *J. Mol. Structure*, 2018, 1155: 288-296, **IF 2,120 (20 pkt MNiSW)**
38. Gilowska I., Kasper Ł., Bogacz K., Szczegielniak J., Szymasek T., Kasper M., Czerwinski M., Śladek K., Majorczyk E.: Impact of matrix metalloproteinase 9 on COPD development in polish patients: genetic polymorphism, protein level, and their relationship with lung function. *Biomed Res Int.* 2018, 2018:6417415, **IF 2,197 (25 pkt MNiSW)**
39. Gomula A., Koziel S.: Secular trend and social variation in age at menarche among Polish schoolgirls before and after the political transformation. *American Journal of Human Biology*, 30(1):e23048, **IF 1,438 (35 pkt MNiSW)**
40. Goszczyński T.M., Fink K., Boratynski J.: Icosahedral boron clusters as modifying entities for biomolecules. *Expert Opin Biol Ther*, 2018, 18:205-213, **IF 3,585 (30 pkt MNiSW)**
41. Gozdiewicz T.K., Lugowski C., Lukaszewicz J.: First evidence for a covalent linkage between enterobacterial common antigen and lipopolysaccharide in *Shigella sonnei* phase II ECALPS. *J Biol Chem.*, 2018, 293(29):11652-11653, **IF 4,106 (35 pkt MNiSW); korekta**
42. Górski A., Rydosz A., Brzozowska E., Drab M., Wincza K., Gamian A., Gruszczyński S.: Effectiveness of sensors contact metallization (Ti, Au, and Ru) and biofunctionalization for *Escherichia coli* detection. *Sensors (Basel)*, 2018, 18(9), **IF 3,031 (30 pkt MNiSW)**
43. Górski A., Jończyk-Matysiak E., Łusiak-Szelachowska M., Międzybrodzki R., Weber-Dąbrowska B., Borysowski J.: Bacteriophages targeting intestinal epithelial cells: a potential novel form of immunotherapy. *Cell Mol Life Sci.* 2018, 75(4):589-595, **IF 7,014 (40 pkt MNiSW)**
44. Górski A., Jończyk-Matysiak E., Łusiak-Szelachowska M., Międzybrodzki R., Weber-Dąbrowska B., Borysowski J.: Phage therapy in allergic disorders? *Exp Biol Med (Maywood)*, 2018, 243(6):534-537, **IF 3,005 (30 pkt MNiSW)**
45. Górski A., Jończyk-Matysiak E., Łusiak-Szelachowska M., Międzybrodzki R., Weber-Dąbrowska B., Borysowski J., Letkiewicz S., Bagińska N., Sfanos K.S.: Phage therapy in prostatitis: recent prospects. *Front Microbiol.*, 2018, 9:1434, Review, **IF 4,259 (35 pkt MNiSW)**
46. Górski A., Jończyk-Matysiak E., Łusiak-Szelachowska M., Weber-Dąbrowska B., Międzybrodzki R., Borysowski J.: Therapeutic potential of phages in autoimmune liver diseases. *Clin Exp Immunol.*, 2018, 192(1):1-6, Review, **IF 3,711 (30 pkt MNiSW)**
47. Górski A., Jończyk-Matysiak E., Międzybrodzki R., Weber-Dąbrowska B., Borysowski J.: Phage transplantation in allotransplantation: possible treatment in graft-versus-host disease? *Front Immunol.*, 2018, 9:941, **IF 4,716 (35 pkt MNiSW)**
48. Górski A., Międzybrodzki R., Jończyk-Matysiak E., Weber-Dąbrowska B., Bagińska N., Borysowski J.: Perspectives of phage-eukaryotic cell interactions to control Epstein-Barr virus infections. *Front Microbiol.*, 2018, 9:630, **IF 4,259 (35 pkt MNiSW)**
49. Górski A., Międzybrodzki R., Łobocka M., Głowacka-Rutkowska A., Bednarek A., Borysowski J., Jończyk-Matysiak E., Łusiak-Szelachowska M., Weber-Dąbrowska B.,

- Bagińska N., Letkiewicz S., Dąbrowska K., Scheres J.: Phage therapy: What have we learned? *Viruses*, 2018, 10(6), Review, **IF 3,811 (30 pkt MNiSW)**
50. Grudzień M., Rapak A.: Effect of natural compounds of NK cell activation. *J Immunol Res.*, 2018:4868417, **IF 3,404 (25 pkt MNiSW)**
51. Haldys K., Goldeman W., Jewgiński M., Wolińska E., Anger N., Rossowska J., Latajka R.: Inhibitory properties of aromatic thiosemicarbazones on mushroom tyrosinase: Synthesis, kinetic studies, molecular docking and effectiveness in melanogenesis inhibition. *Bioorg Chem*, 2018, 81:577-586, **IF 3,926 (25 pkt MNiSW)**
52. Harada L.K., Silva E.C., Campos W.F., Del Fiol F.S., Vila M., Dąbrowska K., Krylov V.N., Balcão V.M.: Biotechnological applications of bacteriophages: State of the art. *Microbiological Research*, 2018, 212-213:38-58, **IF 3,701 (25 pkt MNiSW)**
53. Harhala M., Barylski J., Huminska K., Lecion D., Wojciechowicz J., Lahutta K., Kuś M., Kropinski A.M., Nowak S., Nowicki G., Hodyra-Stefaniak K., Dąbrowska K.: Two novel lysogenic bacteriophages infecting *Streptococcus pyogenes*: their genomes, morphology and stability. *PLoS One*, 2018, 10.1371/journal.pone.0205995, **IF 2,776 (40 pkt MNiSW)**
54. Harhala M., Nelson D., Miernikiewicz P., Heseloth R., Brzezicka B., Majewska J., Linden S., Shang X., Szymczak A., Lecion D., Marek-Bukowiec K., Klak M., Wojciechowicz W., Lahutta K., Konieczny A., Dąbrowska K.: Safety studies of Streptococcal endolysins Cpl-1 and PAL. *Viruses*, 2018, 10, 638, **IF 3,811 (30 pkt MNiSW)**
55. Hołówka J., Trojanowski D., Janczak M., Jakimowicz D., Zakrzewska-Czerwińska J.: The origin of chromosomal replication is ssymmetrically positioned on the mycobacterial nucleoid, and the timing of its firing depends on HupB. *J. Bacteriol.*, 2018, 200(10), **IF 3,234 (30 pkt MNiSW)**
56. Indrová M., Rossowska J., Pajtasz-Piasecka E., Mikyšková R., Richter J., Rosina J., Sedlacek R., Fišerová A.: The role of immune cell subpopulations in the growth and rejection of TC-1/A9 tumors in novel mouse strains differing in the H2-D haplotype and NKC domain. *Oncol Lett.*, 2018, 15:3594-3601, **IF 1,871 (15 pkt MNiSW)**
57. Iwaszko M., Świerkot J., Kolossa K., Jeka S., Wiland P., Bogunia-Kubik K.: Influence of NKG2D genetic variants on response to anti-TNF agents in patients with rheumatoid arthritis. *Genes (Basel)*, 2018, 9(2), **IF 3,331 (25 pkt MNiSW)**
58. Janczewski Ł., Gajda A., Frankowski S., Goszczyński T.M., Gajda T.: T3P® – a benign desulfurating reagent in the synthesis of isothiocyanates. *Synthesis*, 2018, 50:1141-1151, **IF 2,867 (30 pkt MNiSW)**
59. Janczewski Ł., Psurski M., Świtalska M., Gajda A., Goszczyński T.M., Oleksyszyn J., Wietrzyk J., Gajda T.: Design, synthesis and evaluation of ω-(isothiocyanato)alkylphosphinates and phosphine oxides as antiproliferative agents. *ChemMedChem.*, 2018, 13 (1):105-115, **IF 3,016 (30 pkt MNiSW)**
60. Janik M.E., Szwed S., Grzmil P., Kaczmarek R., Czerwiński M., Hoja-Lukowicz D.: RTqPCR analysis of human melanoma progression-related genes - a novel workflow for selection and validation of candidate reference genes. *Int J Biochem Cell Biol.*, 2018, 101:12-18, **IF 3,144 (35 pkt MNiSW)**
61. Jarzab A., Witkowska D., Ziomek E., Setner B., Czajkowska A., Dorot M., Szewczuk Z., Gamian A.: Cyclic OmpC peptidic epitope conjugated to tetanus toxoid as a potential vaccine candidate against shigellosis. *Vaccine*, 2018, 36(31):4641-4649, **IF 3,269 (30 pkt**

MNiSW)

62. Jaskiewicz E., Peyrard T., Kaczmarek R., Zerka A., Jodłowska M., Czerwinski M.: The Gerbich blood group system: old knowledge, new importance. *Transfus Med Rev.*, 2018, 32:111-116, **IF 3,610 (35 pkt MNiSW)**
63. Jaworski P., Donczew R., Mielke T., Weigel C., Stingl K., Zawilak-Pawlik A.: Structure and function of the *Campylobacter jejuni* chromosome replication origin. *Front Microbiol.*, 2018, 9:1533, **IF 4,259 (35 pkt MNiSW)**
64. Jaźwiec P., Gać P., Chaszczewska-Markowska M., Bogunia-Kubik K., Mazur G., Poręba R.: Genetically determined enlargement of carotid body evaluated using computed angiotomography. *Respir Physiol Neurobiol.*, 2018, 254:10-15, **IF 1,582 (25 pkt MNiSW)**
65. Kaczmarek R.: Do adventitious viruses carried by insect cell lines producing AAV vectors pose a safety risk in gene therapy? *Haemophilia*, 2018, 24(6):843-844, **IF 3,590 (30 pkt MNiSW)**
66. Kaczmarek R., Szymczak-Kulus K., Bereźnicka A., Mikołajczyk K., Duk M., Majorczyk E., Krop-Watorek A., Klauska E., Skowrońska J., Michalewska B., Brojer E., Czerwinski M.: Single nucleotide polymorphisms in A4GALT spur extra products of the human Gb3/CD77 synthase and underlie the P1PK blood group system. *PLoS One.*, 2018, 13:e0196627, **IF 2,776 (40 pkt MNiSW)**
67. Kania G., Sternak M., Jaształ A., Chłopicki S., Błażejczyk A., Nasulewicz-Goldeman A., Wietrzyk J., Jasiński K., Skórka T., Zapotoczny S., Nowakowska M.: Uptake and bioreactivity of charged chitosan-coated superparamagnetic nanoparticles as promising contrast agents for magnetic resonance imaging. *Nanomedicine*, 2018, 14 (1):131140, **IF 4,717 (40 pkt MNiSW)**
68. Karabon L., Markiewicz M., Chrobot K., Dzierzak-Mietla M., Pawlak-Adamska E., Partyka A., Koclega A., Kyrzcz-Krzemien S., Frydecka I.: The influence of genetic variations in the CD86 gene on the outcome after allogeneic hematopoietic stem cell transplantation. *J Immunol Res.*, 2018:3826989, **IF 3,404 (25 pkt MNiSW)**
69. Kasielska-Trojan A., Koziel S., Sitek A., Antoszewski J.: Do skin and hair pigmentation in prepubertal and early pubertal stage correlate with 2D:4D? *American Journal of Human Biology*, 2018, 30(6):e12631, **IF 1,438 (35 pkt MNiSW)**
70. Kazek-Kęsik A., Leśniak K., Orzechowska B.U., Dec W., Drab M., Wiśniewska A., Simka W.: Alkali treatment of anodized titanium alloys affects cytocompatibility. *Metals*, 2018, 8:29, **IF 2,259 (30 pkt MNiSW)**
71. Kędziora A., Speruda M., Krzyżewska E., Rybka J., Łukowiak A., Bugła-Płoskońska G.: Similarities and differences between silver ions and silver in nanoforms as antibacterial agents. *Int J Mol Sci.*, 2018, 19(2), **IF 4,183 (30 pkt MNiSW)**
72. Klejborowska G., Maj E., Wietrzyk J., Stefańska J., Huczyński A.: One-pot synthesis and antiproliferative activity of novel double-modified derivatives of the polyether ionophore monensin A. *Chem Biol Drug Des.*, 2018; 92: 1537–1546, **IF 2,256 (25 pkt MNiSW)**
73. Klimczak A., Kozłowska U., Kurpisz M.: Muscle stem/progenitor cells and mesenchymal stem cells of bone marrow origin for skeletal muscle regeneration in muscular dystrophies. *Arch. Immunol. Ther. Exp.*, 2018, 66(5):341-354, **IF 2,878 (25 pkt MNiSW)**
74. Konopka B.M., Lwow F., Owczarż M., Łaczmanski Ł.: Exploratory data analysis of a clinical study group: Development of a procedure for exploring multidimensional data. *PLoS One*, 2018, 13(8):e0201950, **IF 2,776 (40 pkt MNiSW)**
75. Kopec-Pyciarz K., Zwolinska D., Makulska I., Łaczmanski L., Baran W.: Skin autofluorescence, as a measure of AGEs accumulation in individuals suffering from

- chronic plaque psoriasis. *Mediators of Inflammation*, 2018, 2018:4016939, **IF 3,545 (30 pkt MNiSW)**
76. Korzyńska W., Jodkowska A., Gosławska K., Bogunia-Kubik K., Mazur G.: Genetic aspects of primary hyperaldosteronism. *Adv Clin Exp Med.*, 2018, 27(8):1149-1158, Review, **IF 1,227 (15 pkt MNiSW)**
 77. Koziel S., Kociuba M., Chakraborty R., Sitek A., Ignasiak Z.: Further evidence of association of low second-to-fourth digit ratio (2D:4D) with selection in uniformed services – a study among police personnel from Wrocław, Poland. *Journal of Biosocial Sciences*, 2018, 50(4):527-539, **IF 1,050 (30 pkt MNiSW)**
 78. Koziel S., Malina R.M.: Modified maturity offset prediction equations: validation in independent longitudinal samples of boys and girls. *Sports Medicine*, 2018, 48:221-236, **IF 7,583 (50 pkt MNiSW)**
 79. Koziel S., Scheffler C., Tutkuvienė J., Jakimaviciene E.M., Mumm R., Barbieri D., Godina E., El-Shabrawi M., Elhousseini M., Musalek M., Pruszkowska-Przybylska P., El Dash H., Safar H.H., Lehmann A., Swanson J., Bogin B., Liu Y.C., Groth D., Kirchengast S., Siniarska A., Nieczuja-Dwojicka J., Kralik M., Satake T., Hanc T., Roelants M., Hermanussen M.: Growth and Social Environment. Proceedings of the 25th Aschauer Soiree, held at Krobielowice, Poland, November 18th 2017. *Pediatric Endocrinology Reviews*, 2018, 15 (4):319-329, **IF 0,819**
 80. Koziel S., Żądzińska E., Gomuła A.: Parental smoking during pregnancy and head shape and size on school children. *Annals of Human Biology*, 2018, 45(5):401-405, **IF 1,438 (30 pkt MNiSW)**
 81. Krotkiewski H., Górski A., Zimecki M.: Building prestige of *Archivum Immunologiae et Therapiae Experimentalis*: From a hardly known to a recognized international journal. *Arch Immunol Ther Exp.*, 2018, 66(6):407-413, **IF 2,878 (25 pkt MNiSW)**
 82. Krzyżewska E., Rybka J.: Biosynteza lipopolisacharydów o zmiennej długości części O-swoistej jako czynnik wirulencji bakterii Gram-ujemnych. *Postepy Hig Med Dosw.*, 2018, 72:573-586, **IF 1,106 (15 pkt MNiSW)**
 83. Krzystek-Korpacka M., Zawadzki M., Kapturkiewicz B., Lewandowska P., Bednarz-Misa I., Gorska S., Witkiewicz W., Gamian A.: Subsite heterogeneity in the profiles of circulating cytokines in colorectal cancer. *Cytokine*, 2018, 110:435-441, **IF 3,078 (25 pkt MNiSW)**
 84. Krzystek-Korpacka M., Zawadzki M., Szufnarowski K., Bednarz-Misa I., Gorska S., Witkiewicz W., Gamian A.: The perioperative dynamics of IL-7 following robot-assisted and open colorectal surgery. *Sci Rep.*, 2018, 8(1):9126, **IF 4,011 (40 pkt MNiSW)**
 85. Kupczyk P., Reich A., Gajda M., Hołysz M., Wysokińska E., Paprocka M., Nevozhay D., Chodaczek G., Jagodziński P.P., Ziółkowski P., Szepietowski J.C.: UCHL1/PGP 9.5 Dynamic in neuro-immune-cutaneous milieu: focusing on axonal nerve terminals and epidermal keratinocytes in psoriatic itch. *BioMed Res. Int.*, 2018, 2018:7489316, **IF 2,197 (25 pkt MNiSW)**
 86. Kutkowska J., Strzadala L., Rapak A.: Sorafenib in combination with betulinic acid synergistically induces cell cycle arrest and inhibits clonogenic activity in pancreatic ductal adenocarcinoma cells. *Int. J. Mol. Sci.*, 2018, 19, **IF 4,183 (30 pkt MNiSW)**
 87. Kuzan A., Chwiłkowska A., Maksymowicz K., Bronowicka-Szydełko A., Stach K., Pezowicz C., Gamian A.: Advanced glycation end products as a source of artifacts in immunoenzymatic methods. *Glycoconj J.*, 2018, 35(1):95-103, Erratum in: *Glycoconj J.* 2018, 35(1):105, **IF 2,926 (20 pkt MNiSW)**

88. Laczmańska I., Sasiadek M., Laczmański L.: The comparison between molecular tumour profiling in microdissected and surgical tissue samples. *Anticancer Res.*, 2018, 38(3):1415-1418, **IF 1,935 (20 pkt MNiSW)**
89. Lange A., Jaskula E., Lange J., Dworacki G., Nowak D., Simiczyjew A., Mordak-Domagala M., Sedzimirska M.: The sorafenib anti-relapse effect after alloHSCT is associated with heightened alloreactivity and accumulation of CD8+PD-1+ (CD279+) lymphocytes in marrow. *PLoS One*, 2018, 13(1):e0190525, **IF 2,776 (40 pkt MNiSW)**
90. Lemieszewska M., Polanowski A., Wilusz T., Sokołowska A., Zambrowicz A., Mikołajewicz K., Macała J., Rymaszewska J., Zabłocka A.: Isolation and characterization of NP-POL nonapeptide for possible therapeutic use in Parkinson's disease. *Oxid Med Cell Longev*, 2018, 2018:3760124, **IF 4,868 (30 pkt MNiSW)**
91. Lewandowicz-Uszyńska A., Pasternak G., Naporowski P., Witkowska D.: Identyfikacja czynników etiologicznych wybranych zakażeń bakteryjnych i wirusowych na podstawie testów serologicznych. *Post Hig Med Dośw.*, 2018, 72:1162-1172, **IF 1,106 (15 pkt MNiSW)**
92. Lica J.J., Grabe G.J., Heldt M., Misiak M., Bloch P., Serocki M., Switalska M., Wietrzyk J., Baginski M., Hellmann A., Borowski E., Skladanowski A.: Cell density-dependent cytological stage profile and its application for a screen of cytostatic agents active towards Leukemic Stem Cells. *Stem Cells and Development*, 2018, 27(7):488-513, **IF 3,147 (40 pkt MNiSW)**
93. Lisowska M., Pawlak A., Kutkowska J., Hildebrand W., Ugorski M., Rapak A., Miazek A.: Development of novel monoclonal antibodies to dog leukocyte antigen DR displaying direct and immune-mediated cytotoxicity toward canine lymphoma cell lines. *Hematol. Oncol.*, 2018, **IF 3,439 (25 pkt MNiSW)**
94. Lukasiewicz J., Lugowski C.: Editorial: O-specific polysaccharide confers lysozyme resistance to extraintestinal pathogenic *Escherichia coli*. *Virulence*, 2018, 9(1):919-922, **IF 4,775 (35 pkt MNiSW)**
95. Łacina P., Butrym A., Mazur G., Bogunia-Kubik K.: BSG and MCT1 genetic variants influence survival in multiple myeloma patients. *Genes (Basel)*, 2018, 9(5), **IF 3,331 (25 pkt MNiSW)**
96. Łączkowski K.Z., Anusiak J., Świtalska M., Dzitko K., Cytarska J., Baranowska-Łączkowska A., Plech T., Paneth A., Wietrzyk J., Białczyk J.: Synthesis, molecular docking, ctDNA interaction, DFT calculation and evaluation of antiproliferative and anti-Toxoplasma gondii activities of 2,4-diaminotriazine-thiazole derivatives. *Med. Chem Res*, 2018, 27(4):1131-1148, **IF 1,720 (20 pkt MNiSW)**
97. Łupicka-Słowik A., Psurski M., Grzywa R., Bobrek K., Smok P., Walczak M., Gawel A., Stefaniak T., Oleksyszyn J., Sieńczyk M.: Development of adenosine deaminase-specific IgY antibodies: diagnostic and inhibitory application. *Applied Biochemistry and Biotechnology*, 2018, 184:1358-1374, **IF 2,140 (25 pkt MNiSW)**
98. Maj E., Filip-Psurska B., Milczarek M., Psurski M., Kutner A., Wietrzyk J.: Vitamin D derivatives potentiate anticancer and antiangiogenic activity of tyrosine kinase inhibitors in combination with cytostatic drugs in A549 non-small cell lung cancer model. *Int J Oncology*, 2018, 52: 337-366, **IF 3,333 (25 pkt MNiSW)**
99. Majcher U., Klejborowska G., Kaik M., Maj E., Wietrzyk J., Moshari M., Preto J., Tuszyński J., Huczynski A.: Synthesis and biological evaluation of novel triple-modified Colchicine derivatives as potent tubulin-targeting anticancer agents. *Cells*, 2018, 7(11):216, **IF 5,656**

100. Majcher U., Klejborowska G., Moshari M., Maj E., Wietrzyk J., Bartl F., Tuszyński J.A., Huczyński A.: Antiproliferative activity and molecular docking of novel double-modified colchicine derivatives. *Cells*, 2018, 7(11), 192, **IF 5,656**
101. Majcher U., Urbaniak A., Maj E., Moshari M., Delgado M., Wietrzyk J., Bartl F., Chambers T.C., Tuszyński J.A., Huczyński A.: Synthesis, antiproliferative activity and molecular docking of thiocolchicine urethanes. *Bioorganic Chemistry*, 2018, 81: 553-566, **IF 3,926 (25 pkt MNiSW)**
102. Majkowski M., Laszkiewicz A., Sniezewski L., Grzmil P., Pawlicka B., Tomczyk I., Michniewicz M., Kapusniak V., Janik S., Chodaczek G., Cebrat M.: Lack of NWC protein (c11orf74 homolog) in murine spermatogenesis results in reduced sperm competitiveness and impaired ability to fertilize egg cells *in vitro*. *PLoS One*, 2018, 13(12): e0208649, **IF 2,776 (40 pkt MNiSW)**
103. Mak M., Misiak B., Frydecka D., Pełka-Wysiecka J., Kucharska-Mazur J., Samochowiec A., Bieńkowski P., Pawlak-Adamska E., Karabon L., Szmida E., Skiba P., Kotowicz K., Piotrowski P., Beszlej J.A., Samochowiec J. Polymorphisms in immune-inflammatory response genes and the risk of deficit schizophrenia. *Schizophrenia Res.*, 2018, 193:359363, **IF 4,569 (40 pkt MNiSW)**
104. Makowski Ł., Zakrzewska-Czerwińska J.: Cykl życiowy drapieżnej bakterii *Bdellovibrio bacteriovorus*. *Post Hig Med Dośw.*, 2018, 72:381-391, **IF 1,106 (15 pkt MNiSW)**
105. Malik-Gajewska M., Trynda J., Zierkiewicz W., Helios K., Latajka R., Wietrzyk J., Michalska D.: Picoplatin-based complexes with the bioactive orotate and 5-fluoroorotate ligands: synthesis, DFT calculations, structure, spectroscopic characterization and *in vitro* cytotoxicity. *J. Mol. Str.*, 2018, 1171: 155-167, **IF 2,120 (20 pkt MNiSW)**
106. Maliszewska I., Kałas W., Wysokińska E., Tylus W., Pietrzyk N., Popko K., Palewska K.: Enhancement of photo-bactericidal effect of tetrasulfonated hydroxyaluminum phthalocyanine on *Pseudomonas aeruginosa*. *Lasers Med. Sci.*, 2018, 33:79–88, **IF 2,076 (35 pkt MNiSW)**
107. Man-Kupisinska A., Swierzko A.S., Maciejewska A., Hoc M., Rozalski A., Siwinska M., Lugowski C., Cedzynski M., Lukasiewicz J.: Interaction of mannose-binding lectin with lipopolysaccharide outer core region and its biological consequences. *Front Immunol.*, 2018, 9:1498, **IF 4,716 (35 pkt MNiSW)**
108. Margaryan S., Witkowicz A., Arakelyan A., Partyka A., Karabon L., Manukyan G.: sFasL mediated induction of neutrophil activation in patients with type 2 diabetes mellitus. *PLoS One*, 2018, 13(7):e0201087, **IF 2,776 (40 pkt MNiSW)**
109. Masternak J., Gilewska A., Kazimierzuk K., Khavryuchenko O.V., Wietrzyk J., Trynda J., Barszcz B.: Synthesis, physicochemical and theoretical studies on new rhodium and ruthenium dimers. Relationship between structure and cytotoxic activity. *Polyhedron*, 2018, 154: 263-274, **IF 2,284 (30 pkt MNiSW)**
110. Mączyński M., Borska S., Mieszala K., Kocięba M., Zaczyńska E., Kochanowska I., Zimecki M.: Immunosuppressive properties and mechanism of action of a new isoxazole derivative. *Molecules*, 2018, 23: 1545, **IF 3,060 (30 pkt MNiSW)**
111. Michel O., Kulbacka J., Saczko J., Mączyńska J., Błasiak P., Rossowska J., Rzechonek A.: Electroporation with cisplatin against metastatic pancreatic cancer: *in vitro* study on human primary cell culture. *Biomed Res Int*, 2018, 2018:7364539, **IF 2,197 (25 pkt MNiSW)**
112. Michel O., Przystupski D., Saczko J., Szewczyk A., Niedzielska N., Rossowska J., Kulbacka J.: The favourable effect of catechin in electrochemotherapy in human pancreatic cancer cells. *Acta Biochim Pol*, 2018, 65(2):173-184, **IF 1,626 (15 pkt MNiSW)**

113. Mikulska J.E.: Noworodkowy receptor Fc (FcRn) – nie tylko transporter matczynych IgG. *Post Hig Med. Dośw.*, 2018, 72:701-727, **IF 1,106 (15 pkt MNiSW)**
114. Mieczkowski A., Psurski M., Bagiński M., Bieszczad B., Mroczkowska M., Wilczek M., Czajkowska J., Trzybiński D., Woźniak K., Wietrzyk J.: Novel (S)-1,3,4,12-tetrahydropyrazino[2,1-c][1,4]benzodiazepine-6,12(2H,11H)-dione derivatives: Selective inhibition of MV-4-11 biphenotypic B myelomonocytic leukemia cells' growth is accompanied by reactive oxygen species overproduction and apoptosis. *Bioorg Med Chem Letter*, 2018, 28 (4): 618-625, **IF 2,448 (30 pkt MNiSW)**
115. Miłkowska K., Ziomkiewicz A., Galbarczyk A.: Tattooed man: Could menstrual cycle phase and contraceptive use change female preferences towards bad boys? *Personality and Individual Differences*, 2018, 121:41-47, **IF 1,997 (35 pkt MNiSW)**
116. Mitkiewicz M., Bac B., Kuropatwa M., Kurowska E., Matuszyk J., Siednienko J.: Sp1 mediates phorbol ester (PMA)-induced expression of membrane-bound guanylyl cyclase GC-A in human monocytic THP-1 cells. *Acta Biochim Pol.*, 2018, 65:409-414, **IF 1,626 (15 pkt MNiSW)**
117. Mnich B., Spinek A.E., Chyleński M., Sommerfeld A., Dabert M., Juras A., Szostek K.: Analysis of LCT-13910 genotypes and bone mineral density in ancient skeletal materials. *PLoS One*, 2018, 13(4): 1-8, **IF 2,776 (40 pkt MNiSW)**
118. Morka K., Bystron J., Bania J., Korzeniowska-Kowal A., Korzekwa K., Guz-Regner K., Bugla-Płoskońska G.: Identification of *Yersinia enterocolitica* isolates from humans, pigs and wild boars by MALDI TOF MS. *BMC Microbiol.*, 2018, 18(1):86, **IF 3,287 (30 pkt MNiSW)**
119. Morzyk-Ociepa B., Szmigiel K., Turowska-Tyrk I., Malik-Gajewska M., Banach J., Wietrzyk J.: New mono- and dinuclear complexes of 7-azaindole-3-carboxaldehyde with palladium(II): crystal structure, IR and Raman spectra, DFT calculations and *in vitro* antiproliferative activity. *Polyhedron*, 2018, 153: 88-98, **IF 2,284 (30 pkt MNiSW)**
120. Mumm R., Godina E., Koziel S., Musalek M., Sedlak P., Wittwer-Backofen U., Hesse V., Dasgupta P., Henneberg M., Cheffler C.: External skeletal robusticity of children and adolescents – European references from birth to adulthood and international comparison. *Anthropologischer Anzeiger*, 74(5 Suppl):383-391, **IF 0,577 (20 pkt MNiSW)**
121. Musialik W., Nabiałek M., Letkiewicz S., Sandu A.V., Bloch K.: Application of innovative hydroxyapatite materials in 3D printing for biocompatible voice implants. *Revista de Chimie*, 2018, 69(4):840-842, **IF 1,605 (20 pkt MNiSW)**
122. Naporowski P., Witkowska D., Lewandowicz-Uszyńska A., Gamian A.: Zakażenia bakteryjne, wirusowe i grzybicze towarzyszące pierwotnym niedoborom odporności manifestacją zaburzeń procesów immunologicznych. *Post Hig Med Dośw.*, 2018, 72:557572, **IF 1,106 (15 pkt MNiSW)**
123. Neubauer K., Matusiewicz M., Bednarz-Misa I., Gorska S., Gamian A., KrzystekKorpaczka M.: Diagnostic potential of systemic eosinophil-associated cytokines and growth factors in IBD. *Gastroenterol Res Pract.*, 2018, 2018:7265812, **IF 1,825 (20 pkt MNiSW)**
124. Nieczuja-Dwojackska J., Siniarska A., Koziel S., Marchewka J., Zabłocka R.: Age at maturation, body structure and their relationship with socioeconomic factors. *Anthropologischer Anzeiger*, 2018, 75(4):263-270, **IF 0,577 (20 pkt MNiSW)**
125. Nowak J., Nestorowicz K., Graczyk-Pol E., Mika-Witkowska R., Rogatko-Koros M., Jaskuła E., Kościńska K., Madej S., Tomaszewska A., Nasilowska-Adamska B., Szczepiński A., Halaburda K., Dybko J., Kuliczkowski K., Czerw T., Giebel S., Holowiecki J., Baranska M., Pieczonka A., Wachowiak J., Czyż A., Gil L., LojkoDankowska A., Komarnicki M., Bieniaszewska M., Kucharska A., Hellmann A.,

- Gronkowska A., Jedrzejczak W.W., Markiewicz M., Koclega A., Kyrzcz-Krzemień S., Mielcarek M., Kalwak K., Styczyński J., Wysocki M., Drabko K., Wójcik B., Kowalczyk J., Goździk J., Pawliczak D., Gwozdowicz S., Dziopa J., Szlendak U., Witkowska A., Zubala M., Gawron A., Warzocha K., Lange A.: HLA-inferred extended haplotype disparity level is more relevant than the level of HLA mismatch alone for the patients survival and GvHD in T cell-replate hematopoietic stem cell transplantation from unrelated donor. *Hum Immunol.*, 2018, 79(6):403-412, **IF 2,202 (20 pkt MNiSW)**
126. Nowicka A., Nawrocka W.P., Liszkiewicz H., Wietrzyk J., Anisiewicz A., Kołodziejczyk W.: Synthesis and *in vitro* antiproliferative activity of novel mannich bases - 2-arylideneaminobenzimidazoles derivatives. *Acta Poloniae Pharmaceutica - Drug Research*, 2018, 75(2):397-405, **IF 0,447 (15 pkt MNiSW)**
127. Ochnik M., Sochocka M.: Rola infekcji wirusowych w patogenezie choroby Alzheimera. *Post Hig Med Dośw*, 2018, 72:861-874, **IF 1,106 (15 pkt MNiSW)**
128. Orzechowska B., Bezpalko L., Lis M., Boratyński J.: Powstrzymanie epidemii księgosuszu w Polsce w latach 1921-1922, *Postepy Hig Med Dosw*, 2018, 72:966-974, **IF 1,106 (15 pkt MNiSW)**
129. Paczuska J., Świtalska M., Nowak M., Kielbowicz Z.: Effectiveness of CO2 laser in an experimental mammary gland adenocarcinoma model. *Vet Comp Oncol.*, 2018, 16(1):4754, **IF 2,379 (45 pkt MNiSW)**
130. Palusiak A., Maciejewska A., Lugowski C., Rozalski A., Kaszowska M.: The new structure of core oligosaccharide presented by *Proteus penneri* 40A and 41 lipopolysaccharides. *Int J Mol Sci.*, 2018, 19(3), **IF 4,183 (30 pkt MNiSW)**
131. Panek-Leszczynska K., Konieczny A., Milewska E., Dąbrowska K., Bąchor R., Witkiewicz W., Szewczuk Z.: Podocyturia as an early diagnostic marker of preeclampsia: a literature review. *Biomarkers*, 2018, 23(3):207-212, **IF 1,730 (25 pkt MNiSW)**
132. Pawlak A., Gładkowski W., Kutkowska J., Mazur M., Obmińska-Mrukowicz B., Rapak A.: Enantiomeric trans β -aryl- δ -iodo- γ -lactones derived from 2,5dimethylbenzaldehyde induce apoptosis in canine lymphoma cell lines by downregulation of anti-apoptotic Bcl-2 family members Bcl-xL and Bcl-2. *Bioorg. Med. Chem. Lett.*, 2018, 28: 1171–1177, **IF 2,448 (30 pkt MNiSW)**
133. Pawlik A., Anisiewicz A., Filip-Psurska B., Nowak M., Turlej E., Trynda J., Banach J., Gretkierewicz P., Wietrzyk J.: Calcitriol and its analogs establish the immunosuppressive microenvironment that drives metastasis in 4T1 mouse mammary gland cancer. *Int. J. Mol. Sci.* 2018, 19(7), 2116, **IF 4,183 (30 pkt MNiSW)**
134. Płoszaj P., Junka A., Szponar B., Mączyński M., Ryng S., Bartoszewicz M., Piwowar A.: Insights into mycobacterial activity and cytotoxicity of substituted isoxazole-4carbohydrazide derivatives. *Acta Poloniae Pharmaceutica*, 2018, 75:637-647, **IF 0,447 (15 pkt MNiSW)**
135. Pniewski T., Milczarek M., Wojas-Turek J., Pajtasz-Piasecka E., Wietrzyk J., Czyż M.: Plant lyophilisate carrying S-HBsAg as an oral booster vaccine against HBV. *Vaccine*, 2018, 36(41): 6070-6076, **IF 3,269 (30 pkt MNiSW)**
136. Podbielska M., O’Keeffe J., Hogan E.L.: Autoimmunity in multiple sclerosis: role of glycolipids, invariant NKT cells and other immune elements in control of inflammation and neurodegeneration. *J Neurol Sci.*, 2018, 385:198-214, **IF 2,651 (25 pkt MNiSW)**
137. Pohl P., Bielawska-Pohl A., Dzimitrowicz A., Greda K., Jamroz P., Lesniewicz A., Szymczycha-Madeja A., Welna M.: Understanding element composition of medicinal plants used in herbalism-A case study by analytical atomic spectrometr. *Journal of*

- Pharmaceutical and Biomedical Analysis*, 2018, 159:262-271, **IF 2,983 (35 pkt MNiSW)**
138. Pohl P., Bielawska-Pohl A., Dzimitrowicz A., Jamroz P., Welna M.: Impact and practicability of recently introduced requirements on elemental impurities. *Trac-Trends in Analytical Chemistry*, 2018, 101:43-55, **IF 8,428 (50 pkt MNiSW)**
139. Popłoński J., Turlej E., Sordon S., Tronina T., Bartmańska A., Wietrzyk J., Huszcza E.: Synthesis and antiproliferative activity of minor hops prenylflavonoids and new insights on prenyl group cyclization. *Molecules*, 2018 28;23(4), **IF 3,060 (30 pkt MNiSW)**
139. Porshneva K., Papiernik D., Psurski M., Nowak M., Matkowski R., Ekiert M., Milczarek M., Banach J., Jarosz J., Wietrzyk J.: Combination therapy with DETA/NO and clopidogrel inhibits metastasis in murine mammary gland cancer models via improved vasoprotection. *Mol. Pharmaceutics*, 2018, 15(11):5277-5290, **IF 4,396 (40 pkt MNiSW)**
140. Przybyl S., Jachymek W.: Antygeny *Actinobacillus pleuropneumoniae* i ich wykorzystanie w projektowaniu szczepionek, ze szczególnym uwzględnieniem preparatów glikokoniugatowych. *Postepy Hig Med Dosw.*, 2018, 72:471-480, **IF 1,106 (15 pkt MNiSW)**
141. Psurski M., Janczewski Ł., Świtalska M., Gajda A., Goszczyński T.M., Ciekot J., Winiarski Ł., Oleksyszyn J., Wietrzyk J., Gajda T.: Phosphorus-containing isothiocyanatederived mercapturic acids as a useful alternative for parental isothiocyanates in experimental oncology. *Bioorg Med Chem Lett.*, 2018, 28(15):2611-2615, **IF 2,448 (30 pkt MNiSW)**
142. Pyclik M., Gorska S., Brzozowska E., Dobrut A., Ciekot J., Gamian A., BrzychczyWloch M.: Epitope mapping of *Streptococcus agalactiae* elongation factor tu protein recognized by human sera. *Front Microbiol*, 2018, 9:125, **IF 4,259 (35 pkt MNiSW)**
143. Rashdan H.R.M., Roaiah H.M.F., Muhammad Z.A., Wietrzyk J., Milczarek M., Soliman A.M.: Design, efficient synthesis, mechanism of reaction and antiproliferative activity against cancer and normal cell lines of a novel class of fused pyrimidine derivatives. *Acta Pol Pharm*, 2018; 75(3):679-688, **IF 0,447 (15 pkt MNiSW)**
144. Razim A., Pacyga K., Aptekorz M., Martirosian G., Szuba A., Pawlak-Adamska E., Brzychczy-Włoch M., Myc A., Gamian A., Górski S.: Epitopes identified in GAPDH from *Clostridium difficile* recognized as common antigens with potential autoimmunizing properties. *Scientific Rep.* 2018, 8:13946, **IF 4,011 (40 pkt MNiSW)**
145. Rohde C., Resch G., Pirnay J.P., Blasdel B.G., Debarbieux L., Gelman D., Górski A., Hazan R., Huys I., Kakabadze E., Łobocka M., Maestri A., Almeida G.M.F., Makalatia K., Malik D.J., Mašlaňová I., Merabishvili M., Pantucek R., Rose T., Štveráková D., Van Raemdonck H., Verbeken G., Chanishvili N.: Expert opinion on three phage therapy related topics: bacterial phage resistance, phage training and prophages in bacterial production strains. *Viruses*, 2018, 10(4), **IF 3,811 (30 pkt MNiSW)**
146. Rollenske T., Szijarto V., Lukasiewicz J., Guachalla L.M., Stojkovic K., Hartl K., Stulik L., Kocher S., Lasitschka F., Al-Saedi M., Schröder-Braunstein J., von Frankenberg M., Gaebelein G., Hoffmann P., Klein S., Heeg K., Nagy E., Nagy G., Wardemann H.: Crossspecificity of protective human antibodies against *Klebsiella pneumoniae* LPS O-antigen. *Nat Immunol.*, 2018, 19(6):617-624, **IF 23,530 (50 pkt MNiSW)**
147. Rossowska J., Anger N., Szczygieł A., Mierzejewska J., Pajtasz-Piasecka E.: Reprogramming the murine colon cancer microenvironment using lentivectors encoding shRNA against IL-10 as a component of a potent DC-based chemioimmunotherapy. *J Exp Clin Cancer Res.*, 2018 t. 37:126, **IF 5,646 (35 pkt MNiSW)**

148. Rymaszewska J., Urbańska K.M., Szcześniak D., Stanczykiewicz B., Trypka E., Zabłocka A.: The improvement of memory deficits after whole-body cryotherapy – the first report. *CryoLetters*, 2018, 39:190-195, **IF 0,694 (20 pkt MNiSW)**
149. Sadok I., Szmagara A., Staniszevska M.: The validated and sensitive HPLC-DAD method for determination of patulin in strawberries. *Food Chem.*, 2018, 245:364-370, **IF 5,399 (40 pkt MNiSW)**
150. Saeed A., Paściak M., Górska S., Ceremuga I., Gamian E., Ziółkowski P., Drab M., Gamian A.: Structural elucidation of *Tsukamurella pulmonis* neutral polysaccharide and its visualization in infected mouse tissues by specific monoclonal antibodies. *Sci Rep.*, 2018, 8(1):11564, **IF 4,011 (40 pkt MNiSW)**
151. Sidoryk K., Cmoch P., Świtalska M., Trzaskowski B., Wietrzyk J., Cybulski M.: Efficient glycosylation of natural danshensu and its enantiomer by sugar and 2-deoxy sugar donors. *Carbohydr Res.*, 2018, 460:19-28, **IF 1,873 (25 pkt MNiSW)**
152. Sitek A., Kozieł S., Kasielska-Trojan A., Antoszewski B.: Do skin and hair pigmentation in prepubertal and early pubertal stages correlate with 2D:4D? *Am J Hum Biol.*, 2018, 30(6):e12631, **IF 1,438 (30 pkt MNiSW)**
153. Skaradzińska A., Skaradziński G., Choińska-Pulit A., Śliwka P., Łaba W., Mituła P., Żaczek M., Weber-Dąbrowska B.: Potential application of lyophilization in commercial use of bacteriophage preparations in veterinary medicine. *Slov Vet Res*, 2018, 55 (2):73-80, **IF 0,170 (20 pkt MNiSW)**
154. Slack J., Albert M.H., Balashov D., Belohradsky B.H., Bertaina A., Blessing J., Booth C., Buechner J., Buckley R.H., Ouachée-Chardin M., Deripapa E., Drabko K., Eapen M., Feuchtinger T., Finocchi A., Gaspar H.B., Ghosh S., Gillio A., Gonzalez-Granado L.I., Grunebaum E., Güngör T., Heilmann C., Helminen M., Higuchi K., Imai K., Kalwak K., Kanazawa N., Karasu G., Kucuk Z.Y., Laberko A., Lange A., Mahlaoui N., Meisel R., Moshous D., Muramatsu H., Parikh S., Pasic S., Schmid I., Schuetz C., Schulz A., Schultz K.R., Shaw P.J., Slatter M.A., Sykora K.W., Tamura S., Taskinen M., Wawer A., Wolska-Kuśnierz B., Cowan M.J., Fischer A., Gennery A.R., Inborn Errors Working Party of the European Society for Blood and Marrow Transplantation and the European Society for Immunodeficiencies; Stem Cell Transplant for Immunodeficiencies in Europe (SCETIDE); Center for International Blood and Marrow Transplant Research; Primary Immunodeficiency Treatment Consortium: Outcome of hematopoietic cell transplantation for DNA double-strand break repair disorders. *J Allergy Clin Immunol.*, 2018:141(1):322328, **IF 14,110 (50 pkt MNiSW)**
155. Smeda M., Kieronska A., Adamski M.G., Proniewski B., Sternak M., Mohaissen T., Przyborowski K., Derszniak K., Kaczor D., Stojak M., Buczek E., Jaształ A., Wietrzyk J., Chłopicki S.: Nitric oxide deficiency and endothelial–mesenchymal transition of pulmonary endothelium in the progression of 4T1 metastatic breast cancer in mice. *Breast Cancer Research*, 2018, 20:86, **IF 5,676 (40 pkt MNiSW)**
156. Smeda M., Kieronska A., Proniewski B., Jaształ A., Selmi A., Wandzel K., Zakrzewska A., Wojcik T., Przyborowski K., Derszniak K., Stojak M., Kaczor D., Buczek E., Watała C., Wietrzyk J., Chłopicki S.: Dual antiplatelet therapy with clopidogrel and aspirin increases mortality in 4T1 metastatic breast cancer-bearing mice by inducing vascular mimicry in primary tumour. *Oncotarget*, 2018, 9:17810-17824, **IF 5,168 (40 pkt MNiSW)**
157. Sniezewski L., Janik S., Laszkiewicz A., Majkowski M., Kisielow P., Cebrat M.: The evolutionary conservation of the bidirectional activity of the NWC gene promoter in jawed vertebrates and the domestication of the RAG transposon. *Developmental and Comparative Immunology*, 2018, 81: 105-115, **IF 3,119 (40 pkt MNiSW)**

158. Solecka J., Rajnisz-Mateusiak A., Guspziel A., Jakubiec-Krzesniak K., Ziemska J., Kawecki R., Kaczorek D., Gudanis D., Jarosz J., Wietrzyk J.: Cyclo(Pro-DOPA), a third identified bioactive metabolite produced by *Streptomyces* sp. 8812. *J. Antibiotics (Tokyo)*, 2018, 71: 757–761, **IF 2,446 (20 pkt MNiSW)**
159. Stompor M., Świtalska M., Wietrzyk J.: Synthesis and biological evaluation of acyl derivatives of hydroxyflavones as potent antiproliferative agents against drug resistance cell lines. *Zeitschrift für Naturforschung C.*, 2018, 73(1-2):87-93, **IF 1,000 (15 pkt MNiSW)**
160. Strzadala L., Fiedorowicz A., Wysokinska E., Ziolo E., Grudzień M., Jelen M., Pluta K., Morak-Młodawska B., Zimecki M., Kalas W.: An anti-inflammatory azaphenothiazine inhibits interferon β expression and CXCL10 production in KERTr cells. *Molecules*, 2018, 23, **IF 3,060 (30 pkt MNiSW)**
161. Swietnicki W.: Recent advances in antibacterial drug development. *Int J Rec Sci Res.*, 2018, 5A:26501-26505, **IF 6,860**
162. Swietnicki W., Czarny A., Urbanska N., Drab M.: Identification of small molecule compounds active against *Staphylococcus aureus* and *Proteus mirabilis*. *Biochem Biophys Res Commun.*, 2018, 506:1047-1051, **IF 2,705 (25 pkt MNiSW)**
163. Szymrka M., Ciszak L., Weglarz M., Andrzejewska K., Wiland P., Kosmaczewska A.: Dysregulated interferon- γ and interleukin-2 synthesis in peripheral blond T cells in quiescent systemie lupus erythematosus is dependent on the affected T-cell receptor ζ chain expression. *Pol Arch Int Med.*, 2018; 128(10):626-630, **IF 2,882 (30 pkt MNiSW)**
164. Szulc-Dąbrowska L., Wojtyniak P., Papiernik D., Struzik J.: Modulacja funkcji plazmacytoidalnych komórek dendrytycznych podczas zakażeń wirusowych. *Postepy Hig Med Dosw*, 2018; 72 : 264-277, **IF 1,106 (15 pkt MNiSW)**
165. Ślęzak R., Leszczyński P., Warzecha M., Łączmański Ł., Misiak B.: Assessment of the FTO gene polymorphisms in male patients with metabolic syndrome. *Adv Clin Exp Med.*, 2018, 27(11):1581-1585, **IF 1,227 (15 pkt MNiSW)**
166. Tomczyk T., Wróbel G., Chaber R., Siemieniec I., Piasecki E., Krzystek-Korpaczka M., Orzechowska B.U.: Immune consequences of *in vitro* infection of human peripheral blood leukocytes with vesicular stomatitis virus (VSV). *Journal of Innate Immunity*, 2018, 10:131-144, **IF 4,085 (35 pkt MNiSW)**
167. Urbaniak A., Jablonska K., Podhorska-Okolow M., Ugorski M., Dziegiel P.: Prolactin-induced protein (PIP) – characterization and role in breast cancer progression. *American Journal of Cancer Research*, 2018, 11(8):2150-2164, **IF 4,737 (35 pkt MNiSW)**
168. Wanecka A., Król J., Twardoń J., Mrowiec J., Bania J., Korzeniowska-Kowal A., Tobiasz A.: Characterization of a genetically distinct subpopulation of *Staphylococcus haemolyticus* isolated from milk of cows with intramammary infections. *Vet Microbiol.*, 2018, 214:28-35, **IF 2,791 (40 pkt MNiSW)**
169. Wawrzyńska M., Bil-Lula I., Krzywonos-Zawadzka A., Arkowski J., Łukaszewicz M., Hreniak D., Stręk W., Sawicki G., Woźniak M., Drab M., Frączkowska M., Duda M., Kopaczyńska M., Podbielska H., Biały D.: Biocompatible carbon-based coating as potential endovascular material for stent surface. *Biomed Res Int.*, 2018:2758347, **IF 2,197 (25 pkt MNiSW)**
170. Weźgowiec J., Kulbacka J., Sączko J., Rossowska J., Chodaczek G., Kotulska M.: Biological effects in photodynamic treatment combined with electroporation in wild and drug resistant breast cancer cells. *Bioelectrochemistry*, 2018, 123:9-18, **IF 4,474 (35 pkt MNiSW)**

171. Wielińska J., Dratwa M., Świerkot J., Korman L., Iwaszko M., Wysoczańska B., Bogunia-Kubik K.: IL-6 gene polymorphism is associated with protein serum level and disease activity in Polish patients with rheumatoid arthritis. *HLA*, 2018, 92 Suppl 2:38-41, **IF 2,785**
172. Wiśniewski A., Matusiak Ł., Szczerkowska-Dobosz A., Nowak I., Łuszczek W., Kuśnierczyk P.: Association of ERAP1 and ERAP2 single nucleotide polymorphisms and their haplotypes with psoriasis vulgaris is dependent on the presence or absence of HLAC*06:02 allele and age at disease onset. *Human Immunology*, 2018, 79:109-116, **IF 2,202 (20 pkt MNiSW)**
173. Wiśniewski A., Matusiak Ł., Szczerkowska-Dobosz A., Nowak I., Kuśnierczyk P.: HLAC*06:02-independent, gender-related association of PSORS1C3 and PSORS1C1/CDSN single nucleotide polymorphisms with risk and severity of psoriasis. *Mol Genet Genomics*, 2018, 293(4):957-966, **IF 2,879 (25 pkt MNiSW)**
174. Woźniak-Biel A., Bugła-Płoskońska G., Kielsznia A., Korzekwa K., Tobiasz A., Korzeniowska-Kowal A., Wieliczko A.: High prevalence of resistance to fluoroquinolones and tetracycline *Campylobacter* Spp. isolated from poultry in Poland. *Microb Drug Resist.*, 2018, 24(3):314-322, **IF 2,397 (25 pkt MNiSW)**
175. Zabłocka A., Zambrowicz A., Macała J., Kazana W., Polanowski A.: Yolkin – a polypeptide complex isolated from chicken egg yolk with potential neuroprotective and antioxidative activity. *Neuropsychiatry (London)*, 2018, 8:833-842, **IF 4,778 (15 pkt MNiSW)**
176. Zabłotni A., Matusiak D., Arbatsky N.P., Moryl M., Maciejewska A., Kondakova A.N., Shashkov A.S., Ługowski C., Knirel Y.A., Różalski A.: Changes in the lipopolysaccharide of *Proteus mirabilis* 9B-m (O11a) clinical strain in response to planktonic or biofilm type of growth. *Med Microbiol Immunol.*, 2018, 207(2):129-139, **IF 2,960 (30 pkt MNiSW)**
177. Zaczynska E., Kochanowska I., Kruzel M., Zimecki M.: Lactoferrin prevents apoptosis in WEHI 231 cells by promoting cell differentiation. *Folia Biologica (Praha)*, 2018, 64: 1622, **IF 1,073 (20 pkt MNiSW)**
178. Zambrowicz A., Zabłocka A., Sudoł M., Bobak Ł., Sosicka P., Trziszka T.: The effect of carbohydrate moieties on immunoregulatory activity of yolkin polypeptide naturally occurring in egg yolk. *LWT-Food Sci & Technol.*, 2018, 88:165-173, **IF 3,714 (40 pkt MNiSW)**
179. Zawadzki M., Krzystek-Korpacka M., Gamian A., Witkiewicz W.: Serum cytokines in early prediction of anastomotic leakage following low anterior resection. *Wideochir Inne Tech Maloinwazyjne*, 2018, 13(1):33-43, **IF 1,147 (15 pkt MNiSW)**
180. Zhou B., Bentham J., Di Cesare M., Bixby H., Kozieł S. et al. (860 Collaborators) (NCD Risk Factor Collaboration): Contribution of mean and shape of blood pressure distribution to worldwide trends and variations in raised blood pressure: a pooled analysis of 1018 population-based measurement studies with 88.6 million participants. *International Journal of Epidemiology*, 2018, 47(3):872-883, **IF 7,339 (50 pkt MNiSW)**
181. Zimecki M.: Potential impact of obligatory use of opioids in invasive procedures on interpretation of experimental data. *Postępy Hig Med Dośw*, 2018; 72:52-57, **IF 1,106 (15 pkt MNiSW)**
182. Zimecki M., Bąchor A., Maczyński M.: Ixoxazole derivatives as regulators of the immune functions. *Molecules*, 2018, 23(10), **IF 3,060 (30 pkt MNiSW)**
183. Ziomkiewicz A., Frumkin A., Zhang Y., Sancilio A., Bribiescas R.G.: The cost of reproduction in women: Reproductive effort and oxidative stress in premenopausal and

postmenopausal American women. *American Journal of Human Biology*, 2018, 30(1):e23069 **IF 1,438 (35 pkt MNiSW)**

Prace opublikowane w czasopismach z grupy B (bez współczynnika wpływu) i inne:

1. Artym J.: Dobroczynny wpływ probiotyków u dzieci urodzonych przez cesarskie cięcie. *Forum Pediatrii Praktycznej*, 2018, 24
2. Artym J., Zimecki M.: Laktoferyna w profilaktyce i leczeniu zakażeń. *Zakażenia XXI wieku*, 2018, 1(1): 27-34
3. Atrooz Omar M., Wietrzyk J., Filip-Psurska B., Al-Rawashdeh I., Soub M., Abukhalil M.H.: Antiproliferative, antioxidant and antibacterial activities of crude plant extracts of *Asphodeline Lutea L.* and *Peganum Harmala L.*, *World Journal of Pharmaceutical Research*, 2018, 7 (11): 148-167 **(4 pkt MNiSW)**
4. Fawzy N.M., Roaiah H.M., Award E.M., Wietrzyk J., Milczarek M., Soliman A.M.: Synthesis of new indole derivatives using one-pot multicomponent reaction with antiproliferative activity towards normal and cancer cell lines. *Egyptian Pharmaceutical Journal*, 2018, 17:86-93
5. Górski A., Jończyk-Matysiak E., Międzybrodzki R., Weber-Dąbrowska B., ŁusiakSzelachowska M., Bagińska N., Borysowski J., Łobocka M.B., Węgrzyn A., Węgrzyn G.:
Phage therapy: Beyond antibacterial action. *Front Med (Lausanne)*, 2018, 5:146
6. Kaczmarek R.: Terapia genowa hemofilii: czy wkrótce będzie możliwe wyleczenie? *Postępy Biochemii*, 2018, 64(4):318-322 **(8 pkt MNiSW)**
7. Kociuba M., Ignasiak Z., Sebastjan A., Kochan K., Cichy I., Dudkowski A., Ściślak M., Kozieł S.: Sex differences in relationship between body composition and digit lenhgt ratio (2D:4D) in students of military courses. *Anthropological Review*, 2018, 81(4):393-403 **(15 pkt MNiSW)**
8. Lewandowski Z., Danel D.P.: Facial attractiveness and lip morphology of Caucasian women. *Anthropological Review*, 2018, 81(4):401-413 **(15 pkt MNiSW)**
9. Oleszczak Ł., Borodovskiy A.P., Lisowska-Gaczorek A., Pawlyta J., Kozieł S., Tur S.S., Cienkosz-Stepańczak B., Szostek K.: The origin of culturally diversified individuals buried in the Early Iron Age barrow cemetery at Chultukov Log 1 (Upper Altai) in light of the analysis of stable oxygen isotopes. *Collegium Antropologicum*, 2018, 42(1):27-37 **(25 pkt MNiSW)**
10. Przesmycka A., Tomczyk T., Zarzecka J., Kozieł S., Zalewska M.: Standard intraoral radiography vs. cone beam computed tomography for root canal systems detection in historical dental material. *Collegium Antropologicum*, 2018, 42(1):39-44 **(25 pkt MNiSW)**
11. Savini L., Kaczmarek R., Noone D., Giangrande P., Dusheiko G., O'Mahony B.: Hepatitis C and bleeding disorders in Europe. *J Haem Pract.*, 2018, 5(1):50-65
12. Soliman A., Kamel M., Eweas A., Wietrzyk J., Milczarek M.: The antiproliferative activity and molecular docking studies of some sulfonamides against cancer cell lines compared to normal cells. *Egyptian Journal of Chemistry*, 2018, 61(3): 423-429
13. Zschach H., Larsen M.V., Hasman H., Westh H., Nielsen M., Międzybrodzki R., Jończyk-Matysiak E., Weber-Dąbrowska B., Górski A.: Use of a regression model to study host-genomic determinants of phage susceptibility in MRSA. *Antibiotics (Basel)*, 2018, 7(1)
Rozdziały w książce opublikowane:

1. Dąbrowska K.: Interaction of bacteriophages with the immune system: induction of bacteriophage-specific antibodies. [w:]: Azeredo J., Sillankorva S. (eds): *Bacteriophage Therapy. Methods in Molecular Biology*, vol 1693. Humana Press, New York, NY, USA 2018;1693:139-150. doi: 10.1007/978-1-4939-7395-8_12
2. Dąbrowska K., Górski A., Abedon S.T.: Bacteriophage pharmacology and Immunology. [w:] Harper D.R., Abedon S.T., Burrowes B.H., McConville M.L. (eds.): *Bacteriophages biology, technology, therapy*. Springer Nature Switzerland AG 2018, doi.org/10.1007/9783-319-40598-8
3. Frydecka I.: Czerwienica Prawdziwa. [w:] Gajewski P. (red.): *Interna Szczeklika* 2018. Wyd. Medycyna Praktyczna, Kraków 2018; VIF3:1776-1779
4. Frydecka I.: Czerwienica Prawdziwa (PV). [w:] Gajewski P. (red.): *Interna Szczeklika – mały podręcznik* 2018/2019. Wyd. Medycyna Praktyczna, Kraków 2018; 15/6:981-984
5. Frydecka I.: Nadpłytkowość samoistna. [w:] Gajewski P. (red.): *Interna Szczeklika* 2018. Wyd. Medycyna Praktyczna, Kraków 2018; VIF4:1779-1782
6. Frydecka I.: Nadpłytkowość samoistna (ET). [w:] Gajewski P. (red.): *Interna Szczeklika – mały podręcznik* 2018/2019. Wyd. Medycyna Praktyczna, Kraków 2018; 15/7:984-986
7. Frydecka I.: Pierwotne włóknienie szpiku. [w:] Gajewski P. (red.): *Interna Szczeklika* 2018. Wyd. Medycyna Praktyczna, Kraków 2018; VIF5:1782-1786
8. Frydecka I.: Pierwotne włóknienie szpiku. [w:] Gajewski P. (red.): *Interna Szczeklika – mały podręcznik* 2018/2019. Wyd. Medycyna Praktyczna, Kraków 2018; 15/8:986-989
9. Kaźmierczak Z., Dąbrowska K.: Interaction of bacteriophages with mammalian cells. Methods. [w:]: Azeredo J., Sillankorva S. (eds): *Bacteriophage Therapy. Methods in Molecular Biology*, vol 1693. Humana Press, New York, NY, USA, 2018;1693:113-122. doi: 10.1007/978-1-4939-7395-8_10
10. Międzybrodzki R., Hoyle N., Zhvaniya F., Łusiak-Szelachowska M., WeberDąbrowska B., Łobocka M., Borysowski J., Alavidze Z., Kutter E., Górski A., Gogokhia L.: Current updates from the long-standing phage research centers in georgia, Poland, and Russia. [w:]: Harper D. et al. (eds), *Bacteriophages*. https://doi.org/10.1007/978-3-319-40598-8_31-1. Springer International Publishing AG 2018 ISBN 978-3-319-40598-8
11. Nowak-Szczepańska N., Gomula A., Koziel S.: Socio-economic determinants of underweight in polish school children between 1966-2012. [w:]: Mondal N., Bose K., Sen J. (eds.), 2018: *Malnutrition. A Double Burden*. B. R. Publishing Corporation, Delhi-110 052, pp.: 129-144