Monografie.

1. **Tańska H**., *Społeczeństwo informacyjne w metodycznym kontekście zarządzania projektami informatycznymi*, 2018, Wydawnictwo Uniwersytetu Warmińsko-Mazurskiego.

Redakcja naukowa monografii wieloautorskich i wydawnictw pokonferencyjnych.

1. **Lecko A.** (ed.), *Current Research in Mathematical and Computer Sciences II*, Publisher UWM, Olsztyn, 2018, 338 pp. ISBN: 978-83-8100-170-0.

Rozdziały w monografiach wieloautorskich oraz wydawnictwach pokonferencyjnych.

1. **Barcz E**., *Krótkie wspomnienie nauczyciela akademickiego*, (w:) Zeszyty Naukowe Centrum Badań Społecznych Zeszyt 11 / Józef Górniewicz (red.)
2. Dąbrowski B. P., **Błaszkiewicz L**., Krankowski A., Morosan D. E., Kotulak K., Froń A., Sidorowicz T., *Low frequency solar scrutiny with the Polish LOFAR stations*, (w:) Planetary Radio Emissions VIII : Proceedings of the 8th International Workshop held at Seggauberg near Graz, October 25-27, 2016 / ediors: G. Fischer, G. Mann, M. Panchenko, P. Zarka, Austrian Academy of Sciences, 2018, s. 437-444.
3. **Bojarska-Sokołowska A.**, *"Domowa" edukacja matematyczna dzieci i młodzieży*, [w:] 7 Współczesne Problemy Nauczania Matematyki, pod red. H. Kąkol, Wydawca: Fundacja Matematyka dla wszystkich, Bielsko-Biała 2018, s.73-98.ISBN 978-83-944402-1-3
4. **Bojarska-Sokołowska A.**, *40 lat kształcenia nauczycieli matematyki na studiach dziennych/stacjonarnych w Olsztynie*, [w:] Zeszyty Naukowe Centrum Badań Społecznych, pod red. J. Górniewicz, Zeszyt numer 11, Wydawnictwo UWM, Olsztyn 2018, s. 85-124.
5. **Bojarska-Sokołowska A**., *Czy <<cyfrowego tubylca>> można zaciekawić lekcją matematyki?*,[w:] Cyfrowy tubylec w szkole-diagnozy i otwarcia, pod red. M. Nowicka, J. Dziekońska, Wydawca: Adam Marszałek, Toruń 2018, s. 189-203.
6. **Bojarska-Sokołowska A.***, Interaktywne nauczanie matematyki alternatywą dla cyfrowego świata dzieci*, (w:) Cyfrowy tubylec w szkole - diagnozy i otwarcia. Tom I : Współczesny uczeń a dydaktyka 2.0 / red. nauk. Marzenna Nowicka, Joanna Dziekońska.
7. **Borsuk M**., Jankowski S., Alkhutov Y.*, Boundary value problems for singular p- and p(x)-Laplacian equations in a cone*, Modern problems in applied analysis. Birkhäuser, (2018), pp. 1 – 15.
8. **Brym S**., *Nauczycielskiej i Wyższej Szkoły Pedagogicznej do uniwersytetu: reminiscencje nauczyciela akademickiego*, Zeszyty Naukowe Centrum Badań Społecznych Zeszyt 11 / Józef Górniewicz (red.)
9. **Ciecierska G**., *Formulae of Cauchy-Binet type for analogues of Fredholm minors*, (w:) Joint Meeting UMI-SIMAI-PTM, September 17-20, 2018, Wrocław, Poland : Abstracs of taks.
10. **Golasiński M**., *Rings of coordinate and analytic functions on the circle*, (w:) Current Research in Mathematical and Computer Sciences II / editor of the volume Adam Lecko, Olsztyn : Wydawnictwo Uniwersytetu Warmińsko-Mazurskiego, 2018, s.55-66.
11. **Golasiński M**., *Gelfand-Kolmogorov duality and its variations*, (w:) Current Research in Mathematical and Computer Sciences II / editor of the volume Adam Lecko, Olsztyn : Wydawnictwo Uniwersytetu Warmińsko-Mazurskiego, 2018, s. 67-77.
12. **Jakóbowski J**., *Selected configurations and collineations in projective planes of small order*, (w:) Current Research in Mathematical and Computer Sciences II / editor of the volume Adam Lecko, Olsztyn : Wydawnictwo Uniwersytetu Warmińsko-Mazurskiego, 2018, s. 79-99.
13. **Kruk D**. *, Model Theories and Applications,* ed. Rainer Kimmich, (w:) *Field-Cycling NMR Relaxometry: Instrumentation,* The Royal Society of Chemistry, 2018, p 42-119.

14. Ławrynowicz J., Suzuki O., **Niemczynowicz A**., Nowak-Kępczyk M., *Fractals and chaos related to Ising-Onsager lattices. Relations to the Onsager model,* (w:) Current Research in Mathematical and Computer Sciences II / editor of the volume Adam Lecko, Olsztyn : Wydawnictwo Uniwersytetu Warmińsko-Mazurskiego, 2018.
15. **Staruch Boż**., *Tasks assignment to workers on the basis of their competencies*, (w:) 8th Vocal Optimization Conference: Advanced Algorithms; Esztergom, Hungary, 10-12.12.2018, Short Papers / ed. Ferenc Friedler.
16. Staruch B., Staruch Boż., *The problem of using remnants of fabrics in upholstered furniture factories*, (w:) 8th Vocal Optimization Conference: Advanced Algorithms; Esztergom, Hungary, 10-12.12.2018, Short Papers / ed. Ferenc Friedler.

Publikacje w czasopismach naukowych wymienionych w części A wykazu Ministra Nauki i Szkolnictwa Wyższego.

1. **Artiemjew P**., *Boosting Effect of Classifier Based on Simple Granules of Knowledge*, Information Technology and (2018), 47 (2), p. 184-196.
2. Białkowski S., Lewandowski W., Kijak J., **Błaszkiewicz L.**, Krankowski A., Osłowski S., *Mode switching characteristics of PSR B0329+54 at 150 MHz*, Astrophysics and Space Science, Volume 363, Issue 6, DOI: 10.1007/s10509-018-3330-1
3. Dąbrowski B. P., Morosan D. E., Fallows R. A., **Błaszkiewicz L.,** Krankowski A., Magdalenić J., Vocks C., Mann G. R., Zucca P., Sidorowicz T., Hajduk M., Kotulak K., Froń A., Śniadkowska K., *Observations of the Sun using LOFAR Bałdy station*, Advances in Space Research, 2018, 62 (7), p. 1895-1903.
4. **Błaszkiewicz L.,** Lewandowski W., Krankowski A., Kijak J., Froń A., Sidorowicz T., Dąbrowski B. P., Kotulak K., Hajduk M., *PL612 LOFAR station sensitivity measurements in the context of its application for pulsar observations*, Advances in Space Research, 2018, 62 (7), p. 1904-1917.
5. Hajduk M., von Hoof P., Śniadkowska K., Krankowski A., **Błaszkiewicz L.,** Dąbrowski B. P., Zijlstra A. A., *Radio observations of planetary nebulae: no evidence for strong radial density gradients*, Monthly Notices of the Royal Astronomical Society, 2018, 474 (4), p. 5657-5677.
6. **Bocheński M.** ., *Proper actions on strongly regular homogeneous spaces*, Asian Journal of Mathematics 21(2017), vol. 6, p. 1121 – 1134.
7. **Bocheński M**., **Jastrzębski P., Szczepkowska A**., **Tralle A**., **Woike A**., *Semisimple subalgebras in simple Lie algebras and a computational approach to the compact Clifford-Klein forms problem*, Experimental Mathematics, DOI: 10.1080/10586458.2018.1492475
8. **Bodzioch M**., **Borsuk M**., Jankowski S., *Existence of the first eigenvalue of the eigenvalue problem for the Laplace-Beltrami operator on the unit sphere*, Studia Scient. Mathem. Hung., Vol. 55, No. 3 (2018), p. 374-382.
9. **Bodzioch M.**, **Borsuk M**., *Oblique derivative problem for elliptic second-order semi-linear equations in a domain with a conical boundary point*, Electronic Journal of Differential Equations, Vol. 2018 (2018), No. 69, p. 1-20.
10. **Borsuk M**., *L-infinity-estimate for the Robin problem of a singular variable p-Laplacian equation in a conical domain*, Electron. J. Differential Equations, 2018 (2018), № 49, 1-9.
11. **Borsuk M**., Jankowski S., *The Robin problem for singular p-Laplacian equation in a cone*, Complex Variables and Elliptic Equations, 63, № 3 (2018), 333-345. DOI:10.1080/17476933.2017.1307837
12. **Denisiuk A**., Grabowski M., *Embedding of the hamming space into a sphere with weighted quadrance metric and c-means clustering of nominal-continuous data*, Intelligent Data Analysis 22(6),p. 1297-1314 2018, DOI: 10.3233/IDA-173645
13. **Denisiuk A**., *Reconstruction in the cone-beam vector tomography with two sources*, Inverse Problems, Tom/nr:34 Rok:2018 Strony: 124008.

14. **Dymnikowa I.**, *DE-DM unification based on space-time symmetry*, Gravitation and Cosmology, 2018, Vol. 24, Issue 2, p 178–185.
15. **Dymnikowa I.**, *Regular rotating black holes and solitons*, Gravitation & Cosmology, 2018, 1(24), p. 13-21.
16. **Golasiński M**., Gonçalves D. L., R Jimenez R., *Free and properly discontinuous actions of groups on homotopy $2n$-spheres*. Proc. Edinb. Math. Soc. (2) 61 (2018), no. 2, 305–32.
17. **Golasiński M**., de Melo T., *Generalized Jiang and Gottlieb groups,* Georgian Math. J. 25 (2018), no. 4, 523–528.
18. **Golasiński M**., de Melo T., dos Santos E. L., *On path-components of the mapping spaces* $M(S^m,FP^n)$, Manuscripta Mathematica, (2018); DOI 10.1007/S00229-018-102-5
19. **Golasiński M**., Bilski P., *On the spectralization of affine and perfectly normal spaces,* Georgian Math. J. 25 (2018), no. 4, 513–522.
20. Malysz-Cymborska I., Golubczyk D., Kalkowski Ł., Burczyk A., Janowski M., Holak P., Olbrych K., Sanford J, Stachowiak K., Milewska K., **Górecki P**., Adamiak Z., Maksymowicz W., Walczak P., *MRI-guided intrathecal transplantation of hydrogel-embedded glial progenitors in large animals*, SCIENTIFIC REPORTS OF THE NATURE PUBLISHING GROUP, 8 (2018), DOI: 10.1038/s41598-018-34723-x
21. Gołębiewska A., **Kluczenko J.**, Stefaniak P., *Bifurcations from the orbit of solutions of the Neumann problem*, Calculus of Variations and Partial Differential Equations; tom 57, p. 1-23.
22. **Kowalczyk B., Lecko , A**., N. E. Cho, O. S. Kwon, *The Fekete-Szegö problem for some classes of analytic functions,* Journal of Computational Analysis and Applications, 2018, 24 (7), p. 1207-1231.
23. Cho N. E., **Kowalczyk B**., **Lecko A**., *Sharp Bounds of Some Coefficient Functionals Over the Class of Functions Convex in the Direction of the Imaginary Axis*, BULLETIN OF THE AUSTRALIAN MATHEMATICAL SOCIETY, DOI: 10.1017/S0004972718001429
24. Cho N. E., **Kowalczyk B**., Kwon O. S., **Lecko A**., Sim Y. J., *The Bounds of Some Determinants for Starlike Functions of Order Alpha,* Bulletin of the Malaysian Mathematical Sciences Society, 41 (2018), p. 523-535.
25. **Kowalczyk B**., **Lecko A**., Sim Y. J., *The sharp bound for the Hankel determinant of the third kind for convex functions*, Bulletin of the Australian Mathematical Society, 97 (2018), p. 435-445.
26. **Kowalczyk B**., **Lecko A**., Lecko M., Sim Y. J., *The sharp bound of the third Hankel determinant for some classes of analytic functions*, Bulletin of the Korean Mathematical Society, 2018, DOI: 10.4134/BKMS.b171122
27. **Kruk D**., **Masiewicz E**., Umut E., Scharfetter H., *^1H relaxation and dynamics of triphenylbismuth in deuterated solvents*, Mol. Phys. (2018).
28. **Kruk D**., Umut E., **Masiewicz E**., Hermann P., Scharfetter H., *^1H spin-lattice relaxation in water solution of ^{209}Bi counterparts of Gd^{3+} contrast agents*, Mol. Phys. (2018).
29. Scharfetter H., Gösweiner C., Krassnig P. J., Sampl C., Thonhofer M., Fischer R., Spirk S., Kargl R., Stana-Kleinschek K., Umut E., **Kruk D.**, *Aspects of structural order in 209Bi-containing particles for potential MRI contrast agents based on quadrupole enhanced relaxation*, Mol. Phys. (2018).
30. **Kruk D**., Umut E., **Masiewicz E**., Sampl C., Fischer R., Spirk S., Gösweiner C., Scharfetter H., *Bi-209 quadrupole relaxation enhancement in solids as a step towards new contrast mechanisms in magnetic resonance imaging*, Phys. Chem. Chem. Phys. 20, 12710 (2018).
31. **Kruk D**., Gösweiner C., Masiewicz E., Umut E., Sampl C., Scharfetter H., *Model - free approach to quadrupole spin relaxation in solid Bi-209-aryl compounds*, Phys. Chem. Chem. Phys. **20**, 23414 (2018).
32. Gösweiner C., **Kruk D**., Umut E., Masiewicz E., Bödenler M., Scharfetter H., *Predicting quadrupole relaxation enhancement peaks in proton R_1-NMRD profiles in solid Bi-aryl compounds from NQR parameters*, Mol. Phys., 2018, DOI:10.1080/00268976.2018.1519201

33. **Kruk D., Masiewicz E**., Umut E., Schlögl M., Fischer R., Scharfetter H*., Quadrupole relaxation enhancement and polarization transfer in DMSO solution of [Bi(NO$_3$)$_3$(H$_2$O)$_3$]*18-crown-6 in solid state,* Mol. Phys (2018) – in press.
34. Bödenler M.,Basini M., Casula M. F.,Umut E., Gösweiner C., Petrovic A., **Kruk D.**, Scharfetter H. *R_1 dispersion contrast at high field with fast field-cycling MRI*, Journal of Magnetic Resonance, **290,** 68 (2018).
35. Gösweiner C., Lantto P., Fischer R., Sampl C., Umut E., Westlund P. O., Kruk D., Bödenler M., Spirk S., Petrovic A., Scharfetter H., *Tuning Nuclear Quadrupole Resonance: a novel approach for the design of frequency-selective MRI contrast agents*, Phys. Rev. X 8, 021076 (2018).
36. **Kulesza S.**, Bramowicz M., Chrostek T., Senderowski C., *Application of fractal analysis methods for lift height optimization in Magnetic Force Microscopy measurements*, Archives of Metallurgy and Materials, 63 (2018) 1109-1113.
37. Zare M., Solaymani S., Shafiekhani A., **Kulesza S.**, Ţălu S., Bramowicz M., *Evolution of rough-surface geometry and crystalline structures of aligned TiO2 nanotubes for photoelectrochemical water splitting*, Scientific Reports, 8 (2018) 10870, DOI: 10.1038/s41598-018-29247-3
38. Naseri N., Talu S., **Kulesza S.**, Quarechalloo S., Achour A., Bramowicz M., Ghaderi A., Solaymani S., *How morphological surface parameters are correlated with electrocatalytic performance of cobalt-based nanostructures*, Journal of Industrial and Engineering Chemistry, 57 (2018) 97-103, DOI: 10.1016/j.jiec.2017.08.012
39. Ţălu S., **Kulesza S.**, Bramowicz M., Pringle A. M., Pearce J. M., Marikkannan M., Vishnukanthan V., Mayandi J., *Micromorphology analysis of sputtered indium tin oxide fabricated with variable ambient combinations*, Materials Letters, 220 (2018) 169-171, DOI: 10.1016/j.matlet.2018.03.005
40. Hoseinzadeh T., Solaymani S., **Kulesza S.**, Achour A., Ghorannevis Z., Ţălu S., Bramowicz M., Ghoranneviss M., Rezaee S., Boochani A., Maozaffari N., *Microstructures, fractal geometry and dye-sensitized solar cells performance of CdS/TiO2 nanostructures*, Journal of Electroanalytical Chemistry, 830-831 (2018) 80-87, DOI: 10.1016/j.jelechem.2018.10.037
41. Vladescu A., Mihai Cotrut C., Ak Azem F., Bramowicz M., Pana J., Braic V., Birlik I., Kiss A., Braic M., Abdulgader R., Booysen R., **Kulesza S.**, Monsees T. K., *Sputtered Si and Mg doped hydroxyapatite for biomedical applications*, Biomedical Materials, 13 (2018) 025011, DOI: 10.1088/1748-605X/aa9718
42. Solaymani S., **Kulesza S.**, Talu S., Bramowicz M., Beryani N. N., Dalouji V., Rezaee S., Karami H., Malekzaden M., Dorbidi E. S., *The effect of different laser irradiation on rugometric and microtopographic features in zirconia ceramics: study of surface statistical metrics*, Journal of Alloys and Compounds, 765 (2018) 180-185.
43. Jakimowicz A., **Kulesza S.**, *The Mechanism of Transformation of Global Business Cycles into Dynamics of Regional Real Estate Markets*, Acta Physica Polonica A, 133 (2018) 1351-1362, DOI: 10.12693/APhysPolA.133.1351
44. Solaymani S., **Kulesza S.**, Bramowicz M., *The Relation Between Structural, Rugometric and Fractal Characteristics of Hard Dental Tissues at Micro and Nano Levels*, Microscopy Research and Technique, 1-8 (2018), DOI: 10.1002/jemt.23183
45. Ţălu S., Bramowicz M., **Kulesza S.**, Solaymani S., *Topographic characterization of Thin Film Field-effect Transistors of 2, 6-diphenyl Anthracene (DPA) by Fractal and AFM Analysis*, Materials Science in Semiconductor Processing, 79 (2018) 144-152.
46. **Kwiatkowski M**., **Pankov M**., Pasini A., *The graphs of projective codes*, FINITE FIELDS AND THEIR APPLICATIONS 54(1918), p. 15-29.
47. **Lecko A**., Chojnacka O., *Differential subordination of a harmonic mean to a linear function*, Rocky Mountain Journal of Mathematics, 48(5), p. 1475-1484, 2018.
48. Chojnacka O., **Lecko A**., *Some differential subordination of harmonic mean to a linear function*, Rocky Mountain Journal of Mathematics, 2018, 48(5), p. 1475-1484.

49. Kwon O. S., **Lecko A**., Sim Y. J., *On the Fourth Coefficient of Functions in the Carathéodory Class*, Computational Methods and Function Theory 18 (2018), p. 307-314.
50. Kwon O. S., **Lecko A**., Sim y. J., *The Bound of the Hankel Determinant of the Third Kind for Starlike Functions*, Bulletin of the Malaysian Mathematical Sciences Society, 2018, DOI: 10.1007/s40840-018-0683-0
51. Kwon O. S., **Lecko A**., Sim Y. J., **Śmiarowska B**., *The Sharp Bound of the Fifth Coefficient of Strongly Starlike Functions with Real Coefficients*, Bulletin of the Malaysian Mathematical Sciences Society, 2018, DOI: 10.1007/s40840-018-0688-8
52. **Lecko A**., Sim Y. J., **Śmiarowska B**., *The sharp bound of the hankel determinant of the third kind for starlike functions of order ½*, Complex Analysis and Operator Theory, 2018, 4 (7), p. 1-8.
53. **Marchwicki J**., Achievement Sets and Sum Ranges with Ideal Supports, Filomat 32, vol 14 (2018), p. 4911–4922.
54. **Marchwicki J.,** Vlasak V., *Subsums of Conditionally Convergent Series in Finite Dimensional Spaces*, Filomat 32:15 (2018), p. 5471–5479.
55. **Matraś A**., **Siemaszko A**., *The Cayley Property of Some Distant Graphs and Relationship with the Stern-Brocot Tree*, Results in Mathematics, 2018 4(73), DOI: 10.1007/s00025-018-0904-8
56. **Matychyn, I**., Onyshchenko, V., *Matrix Mittag-Leffler function in fractional systems and its computation*, Bulletin of the Polish Academy of Sciences. Technical Sciences, 2018, Vol. 66(nr 4). doi: 10.24425/124266
57. **Matychyn, I**., Onyshchenko, V. (2018). *On time-optimal control of fractional-order systems*. J. Comput. Appl. Math., 339, 245–257. doi: 10.1016/j.cam.2017.10.016
58. **Matychyn, I**., Onyshchenko, V. (2018). *Optimal control of linear systems with fractional derivatives*. Fractional Calculus and Applied Analysis, 21(1), 134–150. doi: 10.1515/fca-2018-0009
59. Grigor'yan A., Jimenez R., **Muranov Y**., *Fundamental groupoids of digraphs and graphs*, Czechoslovak Mathematical Journal 2018, V.68, issue 1, p.35-65.
60. Grigor'yan A., Jimenez R., **Muranov Y**., Yau S-T., On the path homology theory of digraphs and Eilenberg-Steenrod axioms, Homology, Homotopy and Applications, 2018, V.20, number 2, p. 179-205.
61. Grigor'yan A., **Muranov Y**., Vershinin V., Yau S-T., *Path homology theory of multigraphs and quivers*, Forum Mathematicum, 2018, doi.org/10.1515/forum-2018-0015
62. Ławrynowicz J., Suzuki O., **Niemczynowicz A.**, Nowak-Kępczyk M., *Fractals and chaos related to Ising-Onsager lattices. Ternary approach vs. binary approach*, Int. J. Geom. Methods Mod. Phys. 15 (2018), no. 11, 1850187; DOI: 10.1142/S0219887818501876
63. Czernel G., Matwijczuk A., Karcz D., Górecki A., **Niemczynowicz A**., Szcześ A., Gładyszewski G., Matwijczuk A., Gładyszewska B., Niewiadomy A., *Spectroscopic Studies of Dual Fluorescence in 2-(4-Fluorophenylamino)-5-(2,4-dihydroxybenzeno)-1,3,4-thiadiazole: Effect of Molecular Aggregation in a Micellar System, Molecules* **2018**, ***23*** (11), 2861; DOI: 10.3390/molecules23112861
64. **Pankov M**., Tyc A., *Connected sums of z-knotted triangulations*, EUROPEAN JOURNAL OF COMBINATORICS, ,doi 10.1016/j.ejc.2018.02.010
65. **Pankov M**., *Geometric version of Wigner's theorem for Hilbert Grassmannians*, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, Vol. 459, Issue 1, 2018, p. 135-144.
66. **Polkowski L**., *From Leśniewski, Łukasiewicz, Tarski to Pawlak: Enriching Rough Set Based Data Analysis. A Retrospective Survey*, Fundamenta Informaticae, 2018, 154(1-4), p.343-358.
67. **Poszwa A**., *Decoherence of spin states induced by Rashba coupling for an electron confned to a semiconductor quantum dot in the presence of a magnetic feld*, Physica E: Low-dimensional Systewms and Nanostructures, 2018, 99, p. 145-151.
68. **Poszwa A**., *Decoherence of spin states induced by Rashba spin-orbit coupling*, Physica Scripta, 2018, 93 (2).

69. **Szubiakowski J**., Włodarczyk J., *The Solar Dial in the Olsztyn Castle: Its Construction and Relation to Copernicus*, Journal for the History of Astronomy, 49(2):158-195.
70. **Tralle A**. , Upmeier M., *Chern's contribution to the Hopf problem: An exposition based on Bryant's paper*, DIFFERENTIAL GEOMETRY AND ITS APPLICATIONS, 57 (2018), p. 138-146.
71. Munoz V., Rojo J. A., **Tralle A**., *Homology Smale-Barden manifolds with K-contact but not Sasakian structures*, International Mathematics Research Notices, DOI: 10.1093/imrn/rny/205

Publikacje w czasopismach naukowych wymienionych w części B wykazu Ministra Nauki i Szkolnictwa Wyższego.

1. **Bodzioch M**., Choiński M., Foryś U., *Analysis of global dynamics for HIV-infection of CD4+T cells and its treatment*, Mathematica Applicanda, Vol. 46, No. 1 (2018), pp. 35-48, DOI: 10.14708/ma.v46i1.6369.
2. Bajger P., **Bodzioch M**., *Mathematical model of endothelial cell proliferation and maturation*, Mathematica Applicanda, Vol. 46, No. 1 (2018), pp. 3-12, DOI: 10.14708/ma.v46i1.6383.
3. **Bojarska-Sokołowska A**., *Psychological and pedagogical views of boredom in mathematics classe*s, Studia Psychologiczne, 55(2017), p. 17-27.
4. **Kolev, M**., I. Nikolova, *A mathematical model of some viral-induced autoimmune diseases*, Mathematica Applicanda, 2018, 46(1), pp. 97-108.
5. **Miatselski M**., **Staruch B**., **Staruch Boż**., *An integer optimization model and algorithms to support the cost-revenue study and provisory designing warehouses or other storage objects*, Technical Sciences, No. 21(4)2018.
6. **Miatselski M**., *Optimization on permutations: related structures, problems interrelation, heuristic compositions, applications*, Technical Science, No. 21(1), 2018r., str. 37- 47.
7. Kupcewicz E., Olewińska J., **Pikus H**., Jóźwik M., *Coping with stress by women diagnosed with gynecologic cancer,* Journal of Pre-Clinical and Clinical Research, 2018, 12 (1), p. 16-21.
8. **Tańska H**., Władzińska A., *Skuteczność pomiarów procesu wytwarzania oprogramowania i ich wpływ na satysfakcję klienta*, w: Społeczno-ekonomiczne aspekty rozwoju gospodarki cyfrowej. Koncepcje zarządzania i bezpieczeństwa, A. Kobyliński M. Grzywińska-Rąpca, L. Markowski (red.), Roczniki Kolegium Analiz Ekonomicznych, zeszyt 49/2018, ISSN 1232-4671, Szkoła Główna Handlowa, Warszawa 2018, s. 413-426.
9. Sala J., **Tańska H**., *Wybrane inicjatywy wspierające rozwój i ich koszty na przykładzie regionów gospodarki morskiej,* w: Nierówności społeczne a wzrost gospodarczy, A. Szewc-Rogalska, M. Sarama, C. F., Hales (red.), nr 53 (1/2018), Uniwersytet Rzeszowski, Rzeszów 2016, ISSN 1898-5084, DOI 10.15584, s.275-285, VII Międzynarodowa Konferencja Naukowa nt. "Społeczeństwo informacyjne. Stan i kierunki rozwoju w świetle uwarunkowań regionalnych", Rzeszów - Lwów 26-28.09.2016.

Publikacje w innym naukowym czasopiśmie zagranicznym, w języku podstawowym w danej dyscyplinie naukowej lub językach: angielskim, niemieckim, francuskim, hiszpańskim, rosyjskim lub włoskim.

1. **Artiemjew P**., **Polkowski L**., **Żmudziński Ł**., *Controlling robot formations by means of spatial reasoning based on rough mereology*, Advances in Robotics Research, 2018, 2 (3).
2. **Błaszkiewicz L**., Lewandowski W., Kijak J., Rożko K., Krankowski A., Is anomalous scattering typical for pulsars?, Proceedings of the International Astronomical Union, 2017, 13(S337):356-357.
3. **Dymnikowa I**., *Generic features of thermodynamics of horizons in regular spherical space-times of the kerr-schild class*, The Universe, 2018, 15 (4), DOI: 10.3390/universe4050063

Publikacje naukowe w recenzowanych materiałach z konferencji międzynarodowych, uwzględnione w uznanej bazie publikacji naukowych o zasięgu międzynarodowym.

1. **Artiemjew P.**, **Ropiak K**., *A novel ensemble model - the Random Granular Reflections*, (w:) Proceedings of the 27th International Workshop on Concurrency, Specification and Programming, CS&P'2018, Berlin, September 24 - September 26, 2018 / edited by Holger Schlingloff & Samira Akili, Humboldt-Universitat zu Berlin, 2018, s. 197-201.
2. **Artiemjew P**., **Ropiak K**., *A study in granular computing: homogenous granulation*, (w:) Information and Software Technologies: 24rd International Conference, ICIST 2018, Vilnius, Lithuania, October 4-6, 2018, Proceedings / editors: Robertas Dama□evičius and Vilma Mika□yte, Springer Nature Switzerland AG, 2018, s. 336-346.
3. **Artiemjew P**., **Ropiak K.**, *On Granular Rough Computing: Epsilon Homogenous Granulation*, Rough Sets : International Joint Conference, IJCRS 2018, Quy Nhon, Vietnam, August 20-24, 2018, Proceedings / Editors: Hung Son Nguyen, Quang-Thuy Ha, Tianrui Li, Małgorzata Przybyła-Kasperek, Springer Nature Switzerland AG, 2018, s. 546-558.
4. **Artiemjew P**., **Polkowski L**., **Żmudziński Ł.,** *Robot Navigation and Path Planning by Means of Rough Mereology*, (w:) 2018 Second IEEE International Conference on Robotic Computing (IRC); Laguna Hills, CA, USA, 31.01-02.02.2018, Laguna Hills : IEEE, 2018, s. 363-368.
5. **Błaszkiewicz L.,** Krankowski A., Dąbrowski B. P., Hajduk M., Kotulak K., Froń A., Sidorowicz T., Śniadkowska K., Kijak J., Lewandowski W., *Current observational activities of LOFAR baldy PL612 station*, (w:) 2018 Baltic URSI Symposium (URSI), Poznań : Institute of Electrical and Electronics Engineers Inc., 2018, s. 49-50.
6. Dąbrowski B. P., Morosan D. E., **Błaszkiewicz L**. , Krankowski A., Sidorowicz T., Hajduk M., Kotulak K., Froń A., Śniadkowska K., *First solar observations with Polish LOFAR station in Bałdy*, (w:) XXXVIII Polish Astronomical Society Meeting : 11-14 Sept. 2017, University of Zielona Góra, Poland / Editor: Agata Różańska, Warszawa : Polskie Towarzystwo Astronomiczne, 2018, s. 55-58.
7. **Blaszkiewicz, L**.,Dabrowski, B., Hajduk, M., Krankowski, A., *LOFAR Single Station as a Training Tool for Students*, (w:) 2018 2nd URSI Atlantic Radio Science Meeting, Gran Canaria; Spain; 28 May 2018 through 1 June 2018, DOI: 10.23919/URSI-AT-RASC.2018.8471615
8. Białkowski S., Lewandowski W., Kijak J., **Błaszkiewicz L**., Krankowski A., *Mode switching of PSR B0329+54 with LOFAR PL-612 station*, XXXVIII Polish Astronomical Society Meeting : 11-14 Sept. 2017, University of Zielona Góra, Poland / Editor: Agata Różańska, Warszawa : Polskie Towarzystwo Astronomiczne, 2018, s. 100-103.
9. Lewandowski W., **Błaszkiewicz L.,** Śmierciak B., Pożoga M., Kijak J., Krankowski A., Chyży K., Rothkaehl H., Pękal R., Sidorowicz T., Sendyk M., Curyło M., Matyjasiak B., *Observations of the interstellar scattering of pulsars with the POLFAR stations*, 2018 Baltic URSI Symposium (URSI), Poznań : Institute of Electrical and Electronics Engineers Inc., 2018, s. 1-4.

10. **Błaszkiewicz L**., Lewandowski W., Krankowski A., Kijak J., Dąbrowski B. P., *Pipeline for Pulsar Observations with PL612 LOFAR Station*, (w:) XXXVIII Polish Astronomical Society Meeting : 11-14 Sept. 2017, University of Zielona Góra, Poland / Editor: Agata Różańska, Warszawa : Polskie Towarzystwo Astronomiczne, 2018, s. 65-69.
11. Lewandowski W., Kijak J., **Błaszkiewicz L**., Rożko K., Krankowski A., *Studies of the interstellar medium using pulsar observations*, (w:) XXXVIII Polish Astronomical Society Meeting : 11-14 Sept. 2017, University of Zielona Góra, Poland / Editor: Agata Różańska, Warszawa : Polskie Towarzystwo Astronomiczne, 2018, s. 59-64.
12. Dabrowski B.P., Morosan D., Fallows R., **Błaszkiewicz L**., Krankowski A., Magdalenic J., Vocks C., Mann G., Zucca P., Sidorowicz T., Kotulak K., Frón A., Śniadkowska K., *The First Observations of Type i and III Radio Bursts with LOFAR Station in Bałdy*, 2018 2nd URSI Atlantic Radio Science Meeting, Gran Canaria; Spain; 28 May 2018 through 1 June 2018, DOI: 10.23919/URSI-AT-RASC.2018.8471485
13. **Czaus P**., *Automatic validation of big data classifiers on multiple di verse datasets. Automated testing of big data* classifiers, (w:) Proceedings of the 27th International Workshop on Concurrency, Specification and Programming, CS&P'2018, Berlin, September 24 -- September 26, 2018 / edited by Holger Schlingloff & Samira Akili.
14. **Kulesza S**., *Application of fractal geometry methods for analysis of X39Cr13 steel after heat and surface treatments*, (w:) METAL 2018 - 27th International Conference on Metallurgy and Materials : Conference Proceedings.
15. **Kulesza S**., *Application of the fractal geometry methods for analysis of X39Cr13 steel after heat and surface treatments* layer, (w:) METAL 2018 - 27th International Conference on Metallurgy and Materials : Conference Proceedings.
16. **Polkowski L**., *Introducing the mass-based rough mereology*, Informatik Berichte. Humboldt U. Berlin, Germany. Bericht 248.
17. **Polkowski L**., Budzisz W., *Introducing dynamic structures of rough sets. The case of text processing: Anaphoric co-reference in texts in natural language*, (w:) Proceedings IJCRS 2018, Quy Nhon, Vietnam.August 20-24, 2018. In: LNCS 11103, pp 455-463 (2018).
18. **Polkowski L**., *On the counterpart to the Bayes theorem in rough mereology. Proceedings CS&P 2018,* Informatik-Berichte 248. Humboldt Universutaet zu Berlin, Sept. 23-26.
19. **Polkowski L**., *The Bayes theorem counterpart in mass-based rough mereology*, Proceedings of the 27th International Workshop on Concurrency, Specification and Programming, CS&P'2018,Berlin,September 24- September 26, 2018/edited by Holger Schlingloff & Samira Akili.
20. **Szubiakowski J**., *Nicolaus Copernicus' gnomonic array for Sun observation*, PTA Proceedings, August, 2018, vol. 7, p. 371.
21. **Żmudziński Ł.**, *Deep Learning guinea pig image classiffication using Nvidia DIGITS and GoogLeNet*, (w:) Proceedings of the 27th International Workshop on Concurrency, Specification and Programming, CS&P'2018, Berlin, September 24 -- September 26, 2018 / edited by Holger Schlingloff & Samira Akili, Berlin : Humboldt-Universitat zu Berlin, 2018, s. 185-195.
22. Bobalo, Y., Seniv, M., **Yakovyna, V**., Symets, I., *Method of Reliability Block Diagram Visualization and Automated Construction of Technical System Operability Condition*. (w:) Shakhovska N., Medykovskyy M. (eds.) Advances in Intelligent Systems and Computing III. CSIT 2018. AISC 871 (2019), Springer, Cham, pp. 599–610.
23. Bobalo, Yu., **Yakovyna, V**., Seniv, M., Symets, I, *Technique of Automated Construction of States and Transitions Graph for the Analysis of Technical Systems Reliability*, (w:) Proceedings of the 13th International Conference CSIT-2018, Lviv, Ukraine, pp. 314–317 (2018).