

**LIST OF BOOKS, RESEARCH PAPERS  
AND OTHER PUBLICATIONS  
OF PROFESSOR ANDRZEJ LASOTA**

1. BOOKS

1. Andrzej Lasota, Michael C. Mackey, *Probabilistic Properties of Deterministic Systems*, Cambridge University Press 1985.
2. Andrzej Lasota, Michael C. Mackey *Chaos, Fractals and Noise*, Springer Verlag 1994.
3. Andrzej Lasota, *Dynamical Systems on Measures [Układy dynamiczne na miarach]*, Wydawnictwa Uniwersytetu Śląskiego, Katowice, 2008 (in Polish).

2. RESEARCH PAPERS

1. *Gwiazdzistość zbioru określoności funkcji uwikłanych*, Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Matematyka-Fizyka-Chemia 1 (1955), 25–29.
2. *Sur une généralisation d'un problème de Z. Szymdyt concernant l'équation  $u_{xy} = f(x, y, u, u_x, u_y)$* , Bulletin de l'Académie Polonaise de Sciences Cl. III 5 (1957), 15–18.
3. *Sur un nouveau problème aux limites relatif à l'équation de la corde vibrante*, Bulletin de l'Académie Polonaise de Sciences Cl.III 5 (1957), 843–846.
4. *Sur l'effet épidermique extérieur et intérieur pour les inégalités différentielles ordinaires*, Annales Polonici Mathematici 6 (1959), 259–264.
5. *Sur l'existence et l'unicité des solutions d'un problème de Mlle Z. Szymdyt relatif à l'équation de la corde vibrante en fonction de la position du point initial*, Annales Polonici Mathematici 9 (1960), 49–53.
6. *O związku między problemami początkowymi i brzegowymi dla równania różniczkowego zwyczajnego  $n$ -tego rzędu*, Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 5 (1959), 59–65.
7. *O pewnym kryterium identyczności pól sił potencjalnych na prostej*, Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 6 (1961), 35–40.
8. *O zbieżności do zera całek oscylujących równania różniczkowego zwyczajnego rzędu drugiego*, Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 6 (1961), 27–33.
9. *Sur un problème d'interpolation pour l'équation différentielle ordinaire d'ordre  $n$*  (joint work with Z. Opial), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 9 (1961), 667–671.

10. *Sur la relation entre le problème de Goursat, le problème de Cauchy et le problème mixte pour l'équation de la corde vibrante*, Annales Polonici Mathematici, 12 (1962), 175–183.
11. *Sur l'existence des solutions d'un problème d'interpolation pour l'équation différentielle ordinaires d'ordre  $n$* , Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 10 (1962), 523–528.
12. *Sur les problèmes linéaires aux limites pour un système d'équations différentielles ordinaires*, Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 10 (1962), 565–570.
13. *L'application du principe de Pontriagin à l'évaluation de l'intervalle d'existence et d'unicité des solutions d'un problème aux limites* (joint work with Z. Opial), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 11 (1963), 41–46.
14. *Sur une généralisation du premier théorème de Fredholm*, Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 11 (1963), 89–94.
15. *Sur la distance entre les zéros de l'équation différentielle linéaire du troisième ordre*, Annales Polonici Mathematici 13 (1963), 129–132.
16. *Sur l'existence de solutions des problèmes aux limites de Neumann et de Dirichlet pour l'équation différentielle elliptique de second ordre*, Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 11 (1963), 441–446.
17. *Sur le choix optimal des points de division dans la méthode de Euler – Cauchy de l'intégration approximative des équations différentielles*, Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 9 (1963), 55–59.
18. *Un problème aux limites pour l'équation différentielle du second ordre*, Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 9 (1963), 49–54.
19. *L'existence et l'unicité des solutions du problème d'interpolation pour l'équation différentielle ordinaire d'ordre  $n$*  (joint work with Z. Opial), Annales Polonici Mathematici 15 (1964), 253–271.
20. *Sur les solutions périodiques des équations différentielles ordinaires* (joint work with Z. Opial), Annales Polonici Mathematici 16 (1964), 69–94.
21. *Nouvelles méthodes d'analyse fonctionnelle dans la théorie des solutions périodiques des équations différentielles ordinaires* (joint work with Z. Opial), III. Konferenz über Nichtlineare Schwingungen, Berlin, Abhandlungen der Deutschen Akademie der Wissenschaften zu Berlin, Jahrgang 1965, Nr. 1, 186–189.
22. *Sur l'existence de solutions des problèmes linéaires aux limites pour les équations différentielles ordinaires*, Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 10 (1965), 45–60.
23. *Sur l'existence de solutions d'une équation différentielle partielle linéaire du premier ordre*, Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 10 (1965), 31–44.

24. *An application of the Kakutani-Ky Fan theorem in the theory of ordinary differential equations* (joint work with Z. Opial), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 13 (1965), 781–786.
25. *Linear problems for ordinary non-linear differential equations and integral equations of Hammerstein's type* (joint work with Z. Opial), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 12 (1965), 715–718.
26. *Une généralisation du premier théorème de Fredholm et ses applications à la théorie des équations différentielles ordinaires*, Annales Polonici Mathematici 18 (1966), 65–77.
27. *An optimal solution of Nicoletti's boundary value problem* (joint work with C. Olech), Annales Polonici Mathematici 18 (1966), 131–139.
28. *Sur les solutions périodiques d'une équation différentielle ordinaire d'ordre  $n$*  (joint work with F. H. Szafraniec), Annales Polonici Mathematici 18 (1966), 339–344.
29. *Sur l'existence et l'unicité des solutions du problème aux limites de Nicoletti pour un système d'équations différentielles ordinaires*, Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 11 (1966), 41–48.
30. *On the existence of solutions of linear problems for ordinary differential equations* (joint work with Z. Opial), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 14 (1966), 371–376.
31. *On the closedness of the set of trajectories of a control system* (joint work with C. Olech), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 14 (1966), 615–621.
32. *On the existence and uniqueness of solutions of nonlinear functional equations* (joint work with Z. Opial), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 15 (1967), 797–800.
33. *Sur la dépendance continue des solutions des équations différentielles ordinaires de leurs second membres et des conditions aux limites* (joint work with Z. Opial), Annales Polonici Mathematici 19 (1967), 13–36.
34. *On the existence and uniqueness of solutions of a boundary value problem for an ordinary second – order differential equation* (joint work with Z. Opial), Colloquium Mathematicum 18 (1967), 1–5.
35. *A note on the uniqueness of two point boundary value problems I* (joint work with M. Łuczyński), Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 12 (1968), 27–29.
36. *Contingent equations and boundary value problems*, C.I.M.E., Varese, 1967, 257–266.
37. *Applications of the differential equations with distributional coefficients to the optimal control theory* (joint work with F. H. Szafraniec), Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 12 (1968), 31–37.
38. *A discrete boundary value problem*, Annales Polonici Mathematici 20 (1968), 183–190.

39. *Fixed-point theorems for multi-valued mappings and optimal control problems* (joint work with Z. Opial), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 16 (1968), 645–649.
40. *On Cesari's semicontinuity condition for set valued mappings* (joint work with C. Olech), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 16 (1968), 711–716.
41. *Daniell's method in the theory of the Aumann-Hukuhara integral of set-valued functions* (joint work with F. S. De Blasi), Atti della Accademia Nazionale dei Lincei, Rendiconti della Classe di Scienze fisiche, matematiche e naturali 45 (1968), 252–256.
42. *A note on the uniqueness of two point boundary value problems II* (joint work with M. Łuczyński) Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 13 (1969), 45–48.
43. *Characterization of the integral of set-valued functions* (joint work with F. S. De Blasi), Atti della Accademia Nazionale dei Lincei, Rendiconti della Classe di Scienze fisiche, matematiche e naturali 46 (1969), 154–157.
44. *On the behaviour of solutions of a randomly perturbed linear differential equation* (joint work with A. Moro), Bolletino della Unione Matematica Italiana 4 (1969), 515–523.
45. *An axiomatic approach to the problem of the closedness of the set of trajectories in the control theory* (joint work with F. H. Szafraniec), Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques 17 (1969), 733–738.
46. *A new approach to the definition of topological degree for multi-valued mappings* (joint work with A. Cellina), Atti della Accademia Nazionale dei Lincei, Rendiconti della Classe di Scienze fisiche, matematiche e naturali 47 (1969), 434–440.
47. *Boundary value problems for second order differential equations*, Lecture Notes in Mathematics 144 (1970), 140–152.
48. *Problemy stabilności pracy narzędzia w procesie wiercenia obrotowego świdrami gryzowymi* (joint work with P. Rusek), Archiwum Górnictwa 15 (1970), 205–216.
49. *Infinite systems of differential inequalities defined recursively* (joint work with A. Strauss and W. Walter), Journal of Differential Equations 9 (1971), 93–107.
50. *Bounds for periodic solutions of differential equations in Banach spaces* (joint work with J.A. Yorke), Journal of Differential Equations 10 (1971), 83–91.
51. *Nicoletti boundary value problems for systems of linear differential equations with distributional perturbations* (joint work with J. Traple), Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne 15 (1971), 103–108.
52. *Oscillatory solutions of second order ordinary differential equations* (joint work with J.A. Yorke) Annales Polonici Mathematici 25 (1971), 175–178.
53. *Applications of generalized functions to contingent equations and control theory*, Lecture Series, Institute for Fluid Dynamics and Applied Mathematics, University of Maryland, 15 (1970–1971), 41–53.
54. *Quickly oscillating solutions of autonomous ordinary differential equations* (joint work with S. R. Bernfeld), Proceedings of the American Mathematical Society 30 (1971), 519–526.

55. *An approximation theorem for multi-valued mappings* (joint work with Z. Opial), *Podstawy Sterowania* 1 (1971), 71–75.
56. *Équations intégrales au contingent*, *Zeszyty Naukowe Uniwersytetu Jagiellońskiego*, *Prace Matematyczne* 15 (1971), 91–97.
57. *On a modified isochronism problem for the non-linear oscillator* (joint work with Z. Opial), *Zeszyty Naukowe Uniwersytetu Jagiellońskiego*, *Prace Matematyczne* 15 (1971), 99–102.
58. *Asymptotic behavior for differential equations which cannot be locally linearized* (joint work with A. Strauss), *Journal of Differential Equations* 10 (1971), 152–172.
59. *Remarks on linear differential equations with distributional perturbations*, *Ordinary Differential Equations 1971*, NRL-MBC Conference, Academic Press 1972, 489–495.
60. *Relaxation oscillations and turbulence*, *Ordinary Differential Equations 1971*, NRL-MBC Conference, Academic Press 1972, 175–183.
61. *An integral form of the mean value theorem for nondifferentiable mappings* (joint work with S.N. Chow and L.A. Karlovitz), *Journal of Mathematical Analysis and Applications* 38 (1972), 214–222.
62. *Existence of solutions of two-point boundary value problems for nonlinear systems* (joint work with J.A. Yorke), *Journal of Differential Equations* 11 (1972), 509–518.
63. *An implicit function theorem for nondifferentiable mappings* (joint work with S. N. Chow), *Proceedings of the American Mathematical Society* 34 (1972), 141–146.
64. *The generic property of existence of solutions of differential equations in Banach space* (joint work with J.A. Yorke), *Journal of Differential Equations* 13 (1973), 1–12.
65. *O problemie optymalizacji pracy narzędzi udarowych* (joint work with P. Rusek), *Archiwum Górnictwa* 17 (1972), 395–408.
66. *On boundary value problems for ordinary differential equations* (joint work with S. N. Chow), *Journal of Differential Equations* 14 (1973), 326–337.
67. *Invariant measures and functional equations*, *Aequationes Mathematicae* 9 (1973), 193–200.
68. *On the existence of invariant measures for Markov processes*, *Annales Polonici Mathematici* 28 (1973), 207–211.
69. *On the existence of invariant measures for piecewise monotonic transformations* (joint work with J.A. Yorke), *Transactions of the American Mathematical Society* 186 (1973), 481–488.
70. *A maximum principle for fourth order ordinary differential equations* (joint work with S. N. Chow i D. R. Dunninger), *Journal of Differential Equations* 14 (1973), 101–105.
71. *An application of the Ważewski retract method to boundary value problems* (joint work with J.L. Kaplan and J.A. Yorke), *Zeszyty Naukowe Uniwersytetu Jagiellońskiego*, *Prace Matematyczne* 16 (1974), 7–14.

72. *Zastosowanie teorii ergodycznej do wyznaczania wydajności narzędzi gryzowych* (joint work with P. Rusek), *Archiwum Górnictwa* 19 (1974), 281–295.
73. *On two-point boundary value problems for systems of ordinary non-linear, first-order differential equations*, *Annales Polonici Mathematici* 29 (1975), 391–396.
74. *On Hammerstein integral equations* (joint work with F.H. Szafraniec), *Atti della Accademia Nazionale dei Lincei, Rendiconti della Classe di Scienze fisiche, matematiche e naturali* 59 (1975).
75. *A solution of Ulam's conjecture on the existence of invariant measures and its applications*, *Dynamical Systems, An International Symposium*, Academic Press 1976, 47–55.
76. *Matematyczne problemy dynamiki układu krwinek czerwonych* (joint work with M. Ważewska-Czyżewska), *Matematyka Stosowana* 6 (1976), 23–40.
77. *On the existence of invariant measures for transformations with strictly turbulent trajectories* (joint work with J.A. Yorke), *Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Mathématiques, Astronomiques et Physiques* 25 (1977), 233–238.
78. *Invariant measures on topological spaces* (joint work with G. Pianigiani), *Bolletino della Unione Matematica Italiana* 14-B (1977), 592–603.
79. *Ergodic problems in biology*, *Astérisque* 50 (1977), 239–250.
80. *On mappings isomorphic to  $r$ -adic transformations*, *Annales Polonici Mathematici* 35 (1978), 313–322.
81. *Stability of self-induced vibrations in metal cutting* (joint work with P. Rusek), *Proceedings of the Fifth World Congress on Theory of Machines and Mechanisms – 1979*, American Society of Mechanical Engineers, 1502–1505.
82. *Invariant measures and a linear model of turbulence*, *Rendiconti del Seminario Matematico dell'Università di Padova* 61 (1979), 39–48.
83. *The extinction of slowly evolving dynamical systems* (joint work with M.C. Mackey), *Journal of Mathematical Biology* 10 (1980), 333–345.
84. *A fixed point theorem and its application in ergodic theory*, *Tôhoku Mathematical Journal* 32 (1980), 567–575.
85. *On the existence and uniqueness of solutions of a multipoint boundary value problem*, *Annales Polonici Mathematici* 38 (1980), 305–310.
86. *Absolutely continuous invariant measures for transformations on the real line* (joint work with M. Jabłoński), *Zeszyty Naukowe Uniwersytetu Jagiellońskiego, Prace Matematyczne* 22 (1981), 7–13.
87. *Stable and chaotic solutions of a first order partial differential equation*, *Non-linear Analysis, Theory, Methods and Applications* 5 (1981), 1181–1193.
88. *The law of exponential decay for expanding mappings* (joint work with J.A. Yorke), *Rendiconti del Seminario Matematico dell'Università di Padova* 64 (1981), 141–157.
89. *Minimizing therapeutically induced anemia* (joint work with M.C. Mackey i M. Ważewska-Czyżewska), *Journal of Mathematical Biology* 13 (1981), 149–158.

90. *Exact dynamical systems and the Frobenius-Perron operator* (joint work with J. A. Yorke), Transactions of the American Mathematical Society 273 (1982), 375–384.
91. *Influence of random vibrations on the roughness of turned surfaces* (joint work with P. Rusek), Journal of Mechanical Working Technology 7 (1982/1983), 277–284.
92. *On the Tjon-Wu representation of the Boltzmann equation* (joint work with Tomasz Dłotko), Annales Polonici Mathematici 42 (1983), 73–82.
93. *Statistical stability of deterministic systems*, Lecture Notes in Mathematics 1017, Springer 1983 (Edited by H.W. Knobloch and K. Schmitt), 386–419.
94. *Globally asymptotic properties of proliferating cell populations* (joint work with M.C. Mackey), Journal of Mathematical Biology 19 (1984), 43–62.
95. *Asymptotic periodicity of the iterates of Markov operators* (joint work with T.Y. Li and J.A. Yorke), Transactions of the American Mathematical Society 286 (1984), 751–764.
96. *Asymptotic behaviour of solutions: statistical stability and chaos*, Proceedings of the International Congress of Mathematicians, Warszawa 1983, Polish Scientific Publishers and North-Holland 1984 (Edited by Z. Ciesielski and C. Olech), 1255–1267.
97. *Statistical stability and the lower bound function technique* (joint work with T. Dłotko), Proceedings of the Autumn Course on Semigroups and Applications, Trieste 1984, Pitman Research Notes in Mathematics 141 (Edited by H. Brezis, M. G. Crandall and F. Kappel), 1986, 75–95.
98. *Differential equations with dynamical perturbations* (joint work with J. Traple), Journal of Differential Equations 63 (1986), 406–417.
99. *Statistical periodicity of deterministic systems* (joint work with J.A. Yorke), Ěasopis pro pěstování matematiky 111 (1986), 1–13.
100. *Asymptotic properties of constrictive Markov operators* (joint work with J. Soćala), Bulletin of the Polish Academy of Sciences, Mathematics 35 (1987), 71–76.
101. *Asymptotic decomposition of Markov operators* (joint work with J. Komornik), Bulletin of the Polish Academy of Sciences, Mathematics 35 (1987), 321–327.
102. *Noise and statistical periodicity* (joint work with M. C. Mackey), Physica 28D North – Holland, Amsterdam, (1987), 143–154.
103. *Asymptotic behaviour of semigroups of positive operators on  $C(X)$*  (joint work with R. Rudnicki), Bulletin of the Polish Academy of Sciences, Mathematics 36 (1988), 151–159.
104. *Stochastic perturbations of dynamical systems: the weak convergence of measures* (joint work with M.C. Mackey), Journal of Mathematical Analysis and Applications 138 (1989), 232–248.
105. *Noise-induced global asymptotic stability* (joint work with M.C. Mackey i A. Longtin), Journal of Statistical Physics 60 (1990), 735–751.
106. *Asymptotic behaviour of randomly perturbed discrete time dynamical systems*, Proceedings of the 1989 Cosmex Meeting: Stochastic Methods in Experimental Sciences, World Scientific 1990 (Edited by W. Kasprzak, A. Weron), 293–303.

107. *Markov operators defined by Volterra type integrals with advanced argument* (joint work with H. Gacki), *Annales Polonici Mathematici* 51 (1990), 155–166.
108. *On the strong convergence to equilibrium for randomly perturbed dynamical systems* (joint work with J. Tyrcha), *Annales Polonici Mathematici* 53 (1991), 79–89.
109. *Poincaré's recurrence theorem for set-valued dynamical systems* (joint work with J.-P. Aubin and H. Frankowska), *Annales Polonici Mathematici* 54 (1991), 85–91.
110. *Stability properties of proliferatively coupled cell replication models* (joint work with K. Łoskot and M.C. Mackey), *Acta Biotheoretica* 39 (1991), 1–14.
111. *The statistical dynamics of recurrent biological events* (joint work with M.C. Mackey and J. Tyrcha), *Journal of Mathematical Biology* 30 (1992), 775–800.
112. *Generic properties of stochastic semigroups* (joint work with J. Myjak), *Bulletin of the Polish Academy of Sciences, Mathematics* 40 (1992), 283–292.
113. *Asymptotic properties of Markov operators defined by Volterra type integrals* (joint work with K. Baron), *Annales Polonici Mathematici* 58 (1993), 161–175.
114. *Invariant principle for discrete time dynamical systems*, *Universitatis Iagellonicae Acta Mathematica* 31 (1994), 111–127.
115. *Lower bound technique for Markov operators and iterated function systems* (joint work with J.A. Yorke), *Random and Computational Dynamics* 2(1994), 41–77.
116. *Generic properties of fractal measures* (joint work with J. Myjak), *Bulletin of the Polish Academy of Sciences, Mathematics* 42 (1994), 283–296.
117. *From fractals to stochastic differential equations* [in:] *Chaos – The Interplay Between Stochastic and Deterministic Behaviour* (Proceedings of the XXXIst Winter School of Theoretical Physics, Karpacz 1995; Eds P. Garbaczewski, M. Wolf and A. Weron), *Lecture Notes in Physics* 457, Springer Verlag (1995), 235–255.
118. *Invariant measures for fractals and dynamical systems* (joint work with W. Jarczyk), *Bulletin of the Polish Academy of Sciences, Mathematics* 43 (1995), 347–361.
119. *Semifractals* (joint work with J. Myjak), *Bulletin of the Polish Academy of Sciences, Mathematics* 44 (1996), 5–21.
120. *When the long-time behavior is independent of the initial density* (joint work with J.A. Yorke), *SIAM Journal of Mathematical Analysis* 27 (1996), 221–240.
121. *Markov operators and fractals* (joint work with J. Myjak), *Bulletin of the Polish Academy of Sciences, Mathematics* 45 (1997), 197–210.
122. *Semifractals on Polish spaces* (joint work with J. Myjak), *Bulletin of the Polish Academy of Sciences, Mathematics* 46 (1998), 179–196.
123. *Fractals and semifractals*, *Proceedings of the Conference "Topological Methods in Differential Equations and Dynamical Systems"*, Kraków, June 1996, *Universitatis Iagellonicae Acta Mathematica* 36 (1998), 33–40.
124. *Markov operators on the space of vector measures; coloured fractals* (joint work with K. Baron), *Annales Polonici Mathematici* 69 (1998), 217–234.
125. *Statistical stability of strongly perturbed dynamical systems* (joint work with M.C. Mackey), *Fields Institute Communications* 21 (1999), 363–376.



126. *Cell division and the stability of cellular populations* (joint work with M.C. Mackey), *Journal of Mathematical Biology* 38 (1999), 241–261.
127. *Fractals, semifractals and Markov operators* (joint work with J. Myjak), *International Journal of Bifurcation and Chaos* 9 (1999), 307–325.
128. *An application of the Kantorovich-Rubinstein maximum principle in the theory of the Tjon-Wu equation* (joint work with J. Traple), *Journal of Differential Equations* 159 (1999), 578–596.
129. *Attractors of multifunctions* (joint work with J. Myjak), *Bulletin of the Polish Academy of Sciences, Mathematics* 48 (2000), 319–334.
130. *On a dimension of measures* (joint work with J. Myjak), *Bulletin of the Polish Academy of Sciences, Mathematics* 50 (2002), 221–235.
131. *Asymptotic stability of some nonlinear Boltzmann-type equations*, *Journal of Mathematical Analysis and Applications* 268 (2002), 291–309.
132. *Fractals, multifunctions and Markov operators* (joint work with J. Myjak) [in:] *Trends in Mathematics: Fractals in Graz 2001* (Eds P. Grabner and W. Woess) Birkhäuser 2002, 197–210.
133. *Markov operators with a unique invariant measure* (joint work with J. Myjak i T. Szarek ), *Journal of Mathematical Analysis and Applications* 276 (2002), 343–356.
134. *A nonlinear version of the Kantorovich-Rubinstein maximum principle* (joint work with H. Gacki), *Nonlinear Analysis* 52 (2003), 117–125.
135. *Invariant measures related with Poisson driven stochastic differential equation* (joint work with J. Traple), *Stochastic Processes and Applications* 106 (2003), 81–93.
136. *Asymptotic stability of differential equations on convex sets*, *Journal of Dynamics and Differential Equations* 15 (2003), 335–355.
137. *Dimension of measures invariant with respect to Ważewska partial differential equations*, *Journal of Differential Equations*, 196 (2004), 448–465.
138. *Dimension of invariant sets for mappings with the squeezing property* (joint work with J. Traple), *Chaos, Solitons & Fractals*, 28 (2006), 1271–1280.
139. *A variational principle for fractal dimensions*, *Journal of Nonlinear Analysis*, 64 (2006), 618–628.
140. *Lower bound technique in the theory of a stochastic differential equation* (joint work with T. Szarek), *Journal of Differential Equations* 231 (2006), 513–533.
141. *Properties of stationary solutions of a generalized Tjon-Wu equation* (joint work with J. Traple), *Journal of Math. Analysis and Applications*, 335, No. 1, 669–682 (2007).
142. *Description of surfaces for tribology* (joint work with W. Brostow and P. Rusek), *International Conference Baltrib 2007 Kaunas, Lithuania: Proceedings (Lithuan University of Agriculture)* (2007), 130–133.
143. *Concentration dimension of invariant measure for IFS with squeezing property* (joint work with H. Gacki and J. Myjak) (to appear).
144. *Fractal description of polish surfaces* (joint work with J. Myjak and P. Rusek), (to appear)

## 3. OTHER PUBLICATIONS

1. *Uwagi o problemie zainteresowania i kształcenia studentów matematyki w zakresie zastosowań*, Wiadomości Matematyczne 15(2), Polskie Towarzystwo Matematyczne, PWN, Warszawa 1972, 35–40.
2. *Odwzorowania otwarte w dowodach twierdzeń o istnieniu rozwiązań równań różniczkowych*, Wiadomości Matematyczne 20(1), Polskie Towarzystwo Matematyczne, PWN, Warszawa (1976), 76–80.
3. *Matematyka a nauki biologiczne*, Nauka Polska 27(11), Polska Akademia Nauk, Zakład Narodowy im. Ossolińskich, Wrocław (1979), 81–88.
4. *Matematyka a nauki o życiu*, Życie Szkoły Wyższej 33(2), PWN, Warszawa 1985, 45–52. (Wykład inauguracyjny na uroczystości rozpoczęcia nowego roku akademickiego na Uniwersytecie Śląskim.)
5. *Stability, periodicity and chaos from the statistical point of view*, Dynamical systems and environmental models (Eisenach, 1986), Math. Ecol. Academie, Verlag, Berlin (1987), 24–31.
6. *Zdzisław Opial – a mathematician (1930–1974)* (À la mémoire de Zdzisław Opial), (joint with Czesław Olech), Polonici Mathematici 51, Instytut Matematyczny Polskiej Akademii Nauk, PWN, Warszawa (1990), 7–13.
7. *Mathematical problems of the theory of cell cycle*, Wiadomości Matematyczne 30(2), Polskie Towarzystwo Matematyczne, PWN, Warszawa (1994), 157–174.
8. *Wprowadzenie do dyskusji: Matematyka a filozofia*, w tomie *Otwarta nauka i jej zwolennicy*, pod redakcją Michała Hellera i Jacka Urbańca, Ośrodek Badań Interdyscyplinarnych przy Wydziale Filozofii Papieskiej Akademii Teologicznej w Krakowie, BIBLOS, Tarnów (1996), 51–61.
9. *Without the physical world, there would be no mathematics either*, Jacek Urbaniec talks to Professor Andrzej Lasota, Foundations of Science 2(1), Kluwer Academic Publishers, Dordrecht/London/Boston 1997, 183–189.
10. *Determinism, indeterminism and mathematics*, Foundations of Science 2(1), Kluwer Academic Publishers, Dordrecht/London/Boston (1997), 73–75.
11. *Matematyka jak poezja*. Z profesorem Andrzejem Lasotą rozmawia Tomasz Szarek, Przegląd Powszechny 6/922, Wyd. WAM, Księża Jezuitów, Kraków (1998), 277–292.
12. *Fraktale, semifraktale i równanie Boltzmann* (joint Józef Myjak and Janusz Traple), Działalność Naukowa – Wybrane zagadnienia (8), Polska Akademia Nauk (1999), 107–109.
13. *Geometria i zastosowanie fraktali* [in:] *Matematyka jako siła ewolucji kultury*, Andrzej Pelczar (Ed.), Polska Akademia Umiejętności, Komisja Historii Nauki, Monografie 2, Kraków (2000), 19–32 (wykład na Matematycznym Forum Diderota).
14. *Zdzisław Opial (1930–1974)*, Złota Księga Uniwersytetu Jagiellońskiego, 600-lecie Odnowienia Akademii Krakowskiej, Wyd. Matematyki i Fizyki Uniwersytetu Jagiellońskiego, Wyd. Uniwersytetu Jagiellońskiego (2000), 377–385.
15. *Matematyka dziwnych obiektów*, Andrzej Lasota Doctor honoris causa Universitatis Silesiensis, Wydawnictwo Uniwersytetu Śląskiego Katowice (2001), 18–22.