

Curriculum Vitae

Name: Wiesław Kubiś
Current Position: Researcher, Institute of Mathematics, Czech Academy of Sciences,
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Research interests

Mathematical logic, category theory, set theory, foundations of functional analysis

Academic degrees

2018 **Full Professor title**, Institute of Mathematics, Polish Academy of Sciences.
2007 **Habilitation in mathematics**, University of Warsaw, Poland
2000 **PhD in mathematics**, with distinction, University of Silesia, Katowice, Poland

Professional experience

2008 – present **Researcher**, Institute of Mathematics, Czech Academy of Sciences, Prague, Czech Republic
2015 – present **Associate Professor**, teaching at the Institute of Mathematics, Cardinal Stefan Wyszyński University, Warsaw, Poland
2008 – 2016 **Associate Professor**, teaching at the Institute of Mathematics, Jan Kochanowski University in Kielce, Poland
2005 – 2007 **Assistant Professor**, Institute of Mathematics, Świętokrzyska Academy in Kielce, Poland
2000 – 2005 **Assistant Professor**, Institute of Mathematics, University of Silesia, Katowice, Poland
1995 – 2000 **Academic Teacher**, Institute of Mathematics, University of Silesia, Katowice, Poland

Postdoctoral / Invited research positions

Sept. – Dec. 2013 The Hausdorff Research Institute for Mathematics, Bonn, Germany.
Invited **expert**. Trimester Program *Universality and Homogeneity*.
Oct. 2012 The Fields Institute for Research in Mathematical Sciences, Toronto, Canada.
Attending the thematic program on Forcing and its Applications.
Apr. – Oct. 2010 Universitat de Valencia, Department of Mathematical Analysis, Valencia, Spain.
Visiting professor position.
Jan. – Mar. 2007 University of Toronto, The Fields Institute for Research in Mathematical Sciences,
Toronto, Canada. **Visiting professor** position.
Jun. 2006 Université de Savoie, Department of Mathematics, Chambéry, France.
Visiting professor position.
Mar. – Sept. 2004 Université Paris 7, L'Equipe de Logique Mathématique, Paris, France.
NATO Science Postdoctoral Fellow. Hosted by Stevo Todorćević.
Sept. 2003 – March 2004 York University, Atkinson Faculty, Toronto, Canada.
Postdoctoral fellow hosted by Juris Steprans and Paul Szeptycki.
Jan. – Jun. 2003 University of Prince Edward Island, Department of Mathematics, Charlottetown,
Canada.
Postdoctoral fellow hosted by Maxim Burke.
Sept. – Dec. 2002 The Fields Institute for Research in Mathematical Sciences, Toronto, Canada.
Postdoctoral fellow. Thematic Program in Set Theory and Analysis.
Sept. 2000 – Aug. 2002 Ben-Gurion University of the Negev, Department of Mathematics, Beer-Sheva, Israel.
Postdoctoral fellow hosted by Matatyahu Rubin and Menachem Kojman.

Institutional responsibilities / Professional appointments

- since 2017 Member of the Board of the Institute of Mathematics, Czech Academy of Sciences
- since 2016 Head of the Department of Topology and Functional Analysis, Institute of Mathematics, Czech Academy of Sciences
- since 2016 Member of Doctoral Studies Board (section Geometry and Topology, Global Analysis, Mathematical Structures), Charles University, Czech Republic
- since 2016 Member of the Editorial Board of the scientific journal *Archivum Mathematicum*, published by Masaryk University in Brno, Czech Republic
- since 2015 Chair of the seminar *Set Theory and Analysis* at the Institute of Mathematics, Czech Academy of Sciences
- since 2013 Member of the Advisory Board of *Topological Algebra and Applications*. A new international peer-reviewed journal devoted to algebraic topological structures and their applications to other areas of mathematics, physics, economy, and computer science
- 2008 – 2016 Polish Mathematical Society. Chair of the Kielce Section
- 2011 – 2015 Scientific supervision of the research seminar at the Department of Mathematics, Jan Kochanowski University in Kielce, Poland. Organizers: J. Garbulińska-Węgrzyn, M. Nowak

Appointed referee of PhD theses:

- 2018 Jacopo Somaglia, *Rich families of projections and retractions*, Charles University, Prague, Czech Republic.
- 2016 Damian Sobota, *Cardinal invariants of the continuum and convergence of measures on compact spaces*, Institute of Mathematics, Polish Academy of Sciences, Warsaw, Poland.
- 2015 Emilia Szymonik, *Zbiory generowane przez sumy podszeregów*, Technical University of Łódź, Poland.
- 2015 Adam Majchrzycki, *Otwartość odwzorowań dwuliniowych i pewne własności funkcji całkowalnych*, Technical University of Łódź, Poland.
- 2014 Wojciech Bielas, *Łańcuchy w przestrzeniach topologicznych i kratach*, University of Silesia, Katowice, Poland.
- 2014 Marek Cúth, *Separable reduction theorems, systems of projections and retractions*, Charles University, Prague, Czech Republic.
- 2013 Michal Doucha, *Forcing, descriptive set theory, analysis*, Charles University, Prague, Czech Republic.
- 2010 Piotr Kalemba, *Typy ideałów a różnorodne warunki forcingowe*, University of Silesia, Katowice, Poland.

Commissions of trust

- 2015 Member of the Habilitation Committee, Institute of Mathematics, Polish Academy of Sciences, Warsaw, Poland. Applicant: Maciej Malicki.
- 2014 Member of the PhD Committee, University of Murcia, Spain. Student: David Guerrero Sánchez.
- 2009 Member of the Habilitation Committee, Charles University, Prague, Czech Republic. Applicant: Jindřich Zapletal.

Training young researchers

PhD students

- started 2017 Ziemowit Kostana, University of Warsaw, Poland.
- started 2015 Claudia Viscardi, University of Milan, Italy.
- started 2012 Marta Walczyńska, University of Silesia in Katowice, Poland.
- 2010 – 2014 Joanna Garbulińska-Węgrzyn, Jagiellonian University in Kraków, Poland.
- 2010 – 2014 Magdalena Nowak, Jagiellonian University in Kraków, Poland.
PhD completed with distinction.

Postdoctoral Fellows

- hosted in the Institute of Mathematics of the Czech Academy of Sciences:
- 2017– present Saeed Ghasemi, PhD 2015 at York University, Toronto, Canada
- 2017– present Michal Doucha, PhD 2013 at Charles University, Prague
- 2016 – 2017 Wojciech Bielas, PhD 2014 at the University of Silesia, Katowice, Poland
- 2014 – 2015 Martin Dolezal, PhD 2013 at Charles University, Prague

Teaching

Undergraduate courses

- 2015–2018 Cardinal Stefan Wyszyński University, Warsaw, Poland
Calculus on Manifolds, Ordinary Differential Equations, Selected Topics in Modern Mathematics (Introduction to Category Theory)
- 2005–2015 Jan Kochanowski University, Kielce, Poland
Topology, Topology II, Data Structures and Algorithms, Information Technologies, Methods of Stochastic Simulations
- 2002–2003 York University, Toronto, Canada
Linear Algebra I, Linear Algebra II, Logic for Computer Science
- 1996–2000, 2004 University of Silesia, Katowice, Poland
Complex Analysis, Calculus

Advanced courses

- 2014 Adam Mickiewicz University, Poznań, Poland
Introduction to the theory of forcing
- 2013–2014 Charles University, Prague, Czech Republic
Infinitary combinatorics with applications in analysis
- 2012 University of Silesia, Katowice, Poland
Universal homogeneous structures

Grants

- 2017 – 2019 17-27844S: *Generic objects*. Czech Science Foundation (GAČR). Role: leader.
- 2016 – 2018 16-34860L / I2374-N35: *Logic and Topology in Banach spaces*. Czech Science Foundation (GAČR) and Fonds zur Förderung der wissenschaftlichen Forschung (FWF). Lead Agency project. Role: Czech team leader.
- 2015 – 2016 DAAD-15-13: *Universal profinite graphs*. Ministry of Science (Czech Republic) and DAAD (Germany). Role: Czech team leader.
- 2012 – 2015) DEC-2011/03/B/ST1/00419: *Category-theoretic framework for the Fraïssé-Jónsson construction*. National Science Center, Poland. Role: leader.
- 2014 - 2016 P201-14-07880S: *Methods of function theory and Banach algebras in operator theory V*. Czech Science Foundation (GAČR). Role: participant.
- 2012 - 2016 P201/12/0290: *Topological and geometrical properties of Banach spaces and operator algebras*. Czech Science Foundation (GAČR). Role: participant.
- 2010 – 2012 MTM2010-20190: *Structures and complexity in Banach spaces*. Ministry of Science and Innovation, Spain. Role: participant.
- 2009 – 2014 INFITY: *New Frontiers of Infinity: Mathematical, Philosophical and Computational Prospects*. ESF Research Networking Program. Role: participant.
- 2009 – 2011 IAA 100 190 901: *Topological and geometric structures in Banach spaces*. Grant Agency of the Czech Academy of Sciences. Role: participant.
- 2007 – 2008 N201 024 32/0904: *Projections in Banach spaces of continuous functions*. Ministry of Science and Higher Education, Poland. Role: leader.
- 2004 *Spaces of continuous functions on compact spaces*. NATO Science Fellowship. Role: leader.
- 2001 5P03A04420: *Topological properties of hyperspaces*. Committee for Scientific Research, Poland. Role: leader.

Awards

- 2011 Lecture at the scientific session of *La Real Academia de Ciencias Exactas, Físicas y Naturales*, Madrid, Spain
- 2011 Prize for the best article in journals published by the Institute of Mathematics, Czech Academy of Sciences
- 2007 Prize of the President of Jan Kochanowski University in Kielce, Poland, for excellence in research
- 2000 Prize of the President of the University of Silesia in Katowice, Poland, for outstanding doctoral dissertation

Involvement in committees of international conferences

- 2018 ALaNT 5 Joint Conferences on Algebra, Logic and Number Theory, 24 – 29 June 2018, Będlewo, Poland. Member of the Programme Committee.
- 2017 Category Theory in Physics, Mathematics, and Philosophy, 16 –17 November 2017, Warsaw, Poland. Member of the Programme Committee.
Set Theoretic Methods in Topology and Analysis, 3 – 9 September 2017, Będlewo, Poland. Member of the Programme Committee.
6th European Set Theory Conference, 3 – 7 July 2017, Budapest, Hungary. Member of the Programme Committee.
- 2016 Interactions between Algebra and Functional Analysis, 28 September – 2 October, 2016, Prague, Czech Republic. Chair of the Organizing Committee.
- 2014 Interactions between Algebra and Functional Analysis, 17 – 21 December 2014, Prague, Czech Republic. Chair of the Organizing Committee.
Joint Meeting of the German Mathematical Society and the Polish Mathematical Society, 17–20 September 2014, Poznań, Poland. Member of the Organizing Committee, session *Topology in Functional Analysis*.
29th Summer Conference on Topology and its Applications, 23 – 26 July 2014, New York, USA. Member of the Organizing Committee, session *Topology in Functional Analysis*.
- 2013 Workshop on Fractal Structures, Ultrametrics and Ordered Fields, 17 – 20 April 2013, Cieszyn, Poland. Member of the Organizing Committee.
- 2010 25th Summer Conference on Topology and its Applications, 25 – 30 July, Kielce, Poland. Chair of the Organizing Committee.
- 2008 Set Theory, Topology and Banach Spaces, 7 – 11 July 2008, Kielce, Poland. Member of the Programme Committee.
- 2006 International Conference on Set-theoretic Topology, 20 – 25 August 2006, Kielce, Poland. Vice-chair of the Organizing Committee.

Plenary/invited lectures

1. (2018) Invited lecture, *Workshop on Topological Methods in Analysis and Algebra*, 14–15 June, Burriana, Spain.
2. (2018) Invited lecture, *Ideals and exceptional sets in Polish spaces*, 4 – 8 June, Bernoulli Center, Lausanne, Switzerland.
3. (2018) Series of invited lectures, *46th Winter School in Abstract Analysis*, 13 – 20 January, Svratka, Czech Republic.
4. (2016) Plenary lecture, *Twelfth Symposium on General Topology (TOPOSYM)*, 25 – 29 July, Prague.
5. (2016) Invited lecture, *Prague Gathering of Logicians*, 12 – 13 February, Prague.
6. (2015) Invited lecture, *Homogeneous Structures*, 8 – 13 November, Banff International Research Station, Alberta, Canada.
7. (2015) Invited lecture in section *Logic and Theoretical Computer Science*, annual meeting of the Deutschen Mathematiker-Vereinigung (DMV), 21 – 25 September, Hamburg, Germany.
8. (2015) Plenary lecture, *XXIX International Summer Conference on Real Functions Theory*, 6 – 11 September, Niedzica, Poland.
9. (2015) Plenary lecture, *AAA90 — Arbeitstagung Allgemeine Algebra*, 5 – 7 June, Novi Sad, Serbia.
10. (2014) Plenary lecture, *ALaNT 3—Joint Conferences on Algebra, Logic and Number Theory*, 8 – 13 June, Będlewo, Poland.
11. (2014) Invited lecture, *14th Colloquiumfest*, 28 February – 1 March, Saskatoon, Canada,
12. (2013) Invited lecture, *4th European Set Theory Conference*, 15 – 18 July, Mon St Benet, near Barcelona, Spain.
13. (2013) Plenary lecture, *Interactions between Logic, Topological structures and Banach spaces theory*, 19 – 24 May, Eilat, Israel.
14. (2013) Series of invited lectures, *Applications of Logic in Philosophy and Foundations of Mathematics*, 6 – 10 May, Szklarska Poręba, Poland. Annual international conference gathering researchers in logic and its applications to philosophy.

15. (2012) Invited lecture, *Workshop on Forcing Axioms and their Applications*, 22 – 26 October, Toronto, Canada. International workshop organized at the Fields Institute as part of the Thematic Program on Forcing and its Applications (July – December 2012).
16. (2012) Invited lecture, *Continuous Logic and Functional Analysis*, 16 – 20 July, Lyon, France. International workshop devoted to special problems in functional analysis and related areas.
17. (2012) Plenary lecture, *Trends in Set Theory*, 8 – 11 July, Warsaw, Poland. International conference in set theory and its applications, satellite to the 6th European Congress of Mathematics.
18. (2011) Series of invited lectures, *Set-theoretic Techniques in Functional Analysis*, Banach Space Meeting, 21 – 24 February, Castro Urdiales, Spain. International mini-conference devoted to special subjects in Banach space theory.
19. (2010) Plenary lecture, *Automorphism Groups of Topological Structures*, 19 – 24 June, Eilat, Israel. International conference devoted to special problems in topological algebra.
20. (2010) Invited talk, *International Functional Analysis Meeting in Valencia on the Occasion of the 80th Birthday of Professor Manuel Valdivia*, 7 – 11 June, Valencia, Spain. International meeting with several sections in various branches of functional analysis.
21. (2010) Invited lecture, *Young Set Theory Workshop*, 15 – 19 February, Seminarzentrum Raach near Vienna, Austria.
22. (2010) Series of invited lectures, *Approximation Properties of Banach spaces*, 11 – 13 February, Castro Urdiales, Spain. International mini-conference devoted to special subjects in Banach space theory.
23. (2008) Invited lecture, *Iberian Mathematical Meeting*, 3 – 5 October, Badajoz, Spain. International meeting with several sections, including Functional Analysis.
24. (2007) Series of invited lectures, *Spring School on Banach Spaces*, 15 – 24 April, Paseky nad Jizerou, Czech Republic. International meeting devoted to structure and renormings of non-separable Banach spaces, and its interplay with topology, set theory and combinatorics.
25. (2006) Plenary lecture, *10th Prague Topological Symposium*, 13 – 19 August, Prague, Czech Republic. International symposium in set-theoretic topology and related areas, organized traditionally each five years and bringing specialists from all over the world.
26. (2002) Invited talk, *American Mathematical Society Special Session on Topology and Its Applications*, 6 – 9 January, Annual AMS Meeting in San Diego, USA.

Impact and dissemination of work

- 52 research papers in peer-reviewed journals
- Web of Science: 212 citations without self-citations; h-index = 10 (access: 18.06.2018)
MathSciNet: cited 346 times by 190 authors. (access: 18.06.2018)

List of publications

- Monograph:
J. Kąkol, W. Kubiś, and M. López-Pellicer
Descriptive Topology in Selected Topics of Functional Analysis
Developments in Mathematics 24, Springer, New York, Dordrecht, Heidelberg, London, 2011
ISBN 978-1-4614-0528-3 (493 pages)
- Articles in international peer-reviewed journals:
 1. W. KUBIŚ, *Game-theoretic characterization of the Gurarii space*, Archiv der Mathematik 110 (2018) 53–59
 2. W. KUBIŚ, A. KWIATKOWSKA, *The Lelek fan and the Poulsen simplex as Fraïssé limits*, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat. (RACSAM) 111 (2017) 967–981
 3. J. KĄKOL, W. KUBIŚ, A. KUBZDELA, *On non-archimedean Gurarii spaces*, J. Math. Anal. Appl. 450 (2017) 969–981
 4. C. BARGETZ, J. KĄKOL, W. KUBIŚ, *A separable Fréchet space of almost universal disposition*, Journal of Functional Analysis 272 (2017) 1876–1891
 5. W. KUBIŚ, D. MAŠULOVIĆ, *Katětov functors*, Applied Categorical Structures 25 (2017) 569–602

6. M. DOLEŽAL, W. KUBIŚ, *Perfect independent sets with respect to infinitely many relations*, Archive for Mathematical Logic 55 (2016) 847–856
7. W. KUBIŚ, *Banach-Mazur game played in partially ordered sets*, Banach Center Publications 108 (2016) 151–160
8. T. BANAKH, W. KUBIŚ, N. NOVOSAD, M. NOWAK, F. STROBIN, *Contractive function systems, their attractors and metrization*, Topological Methods in Nonlinear Analysis 46 (2015) 1029–1066
9. S. GABRIYELIAN, J. KAĞOL, W. KUBIŚ, W. MARCISZEWSKI, *Networks for the weak topology of Banach and Frchet spaces*, J. Math. Anal. Appl. 432 (2015) 1183–1199
10. J. GARBULIŃSKA-WĘGRZYN, W. KUBIŚ, *A universal operator on the Gurarii space*, J. Operator Theory 73 (2015) 143–158
11. W. KUBIŚ, *Injective objects and retracts of Fraïssé limits*, Forum Math. 27 (2015) 807–842
12. W. KUBIŚ, *Fraïssé sequences: category-theoretic approach to universal homogeneous structures*, Ann. Pure Appl. Logic 165 (2014) 1755–1811
13. F. CABELLO SÁNCHEZ, J. GARBULIŃSKA-WĘGRZYN, W. KUBIŚ, *Quasi-Banach spaces of almost universal disposition*, J. Functional Anal. 267 (2014) 744–771
14. T. BANAKH, R. BONNET, W. KUBIŚ, *Means on scattered compacta*, Topological Algebra and Applications 2 (2014) 5–10
15. W. KUBIŚ, A. KUCHARSKI, S. TUREK, *Parovičenko spaces with structures*, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat. (RACSAM) 108 (2014) 989–1004
16. W. KUBIŚ, K. MOLTÓ, S. TROYANSKI, *Topological properties of the continuous function spaces on some ordered compacta*, Set-Valued Var. Anal. 21 (2013) 649–659
17. J. FERRER, P. KOSZMIDER, W. KUBIŚ, *Almost disjoint families of countable sets and separable complementation properties*, J. Math. Anal. Appl. 401 (2013) 939–949
18. W. KUBIŚ AND S. SOLECKI, *A proof of the uniqueness of the Gurarii space*, Israel J. Math. 195 (2013) 449–456
19. W. KUBIŚ AND B. VEJNAR, *Covering an uncountable square by countably many continuous functions*, Proc. Amer. Math. Soc. 140 (2012) 4359–4368
20. O. KALENDA AND W. KUBIŚ, *Complementation in spaces of continuous functions on compact lines*, J. Math. Anal. Appl. 386 (2012) 241–257
21. J. GARBULIŃSKA AND W. KUBIŚ, *Remarks on Gurarii spaces*, Extracta Math. 26 (2011) 235–269
22. W. KUBIŚ AND S. TUREK, *A decomposition theorem for compact groups with application to supercompactness*, Cent. European J. Math. 9 (2011) 593–602
23. W. KUBIŚ AND A. MOLTÓ, *Finitely fibered Rosenthal compacta and trees*, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat. (RACSAM) 105 (2011) 23–37
24. O. KALENDA AND W. KUBIŚ, *The structure of Valdivia compact lines*, Topology Appl. 157 (2010) 1142–1151
25. W. KUBIŚ AND M. RUBIN, *Extension and reconstruction theorems for the Urysohn universal metric space*, Czechoslovak Math. J. 60 (2010) 1–29
26. W. KUBIŚ, *Banach spaces with projectional skeletons*, J. Math. Anal. Appl. 350 (2009) 758–776
27. R. BONNET, L. FAOUZI, AND W. KUBIŚ, *Free Boolean algebras over unions of two well orderings*, Topology Appl. 156 (2009) 1177–1185
28. W. KUBIŚ, *Valdivia compact abelian groups*, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat. (RACSAM) 102 (2008) 193–197
29. U. ABRAHAM, R. BONNET, AND W. KUBIŚ, *Poset algebras over well quasi-ordered posets*, Algebra Universalis 58 (2008) 263–286
30. W. KUBIŚ AND K. SAKAI, *Hausdorff hyperspaces of R^m and their dense subspaces*, J. Math. Soc. Japan 60 (2008) 193–217
31. W. KUBIŚ, *Linearly ordered compacta and Banach spaces with a projectional resolution of the identity*, Topology Appl. 154 (2007) 749–757
32. M.R. BURKE, W. KUBIŚ, AND S. TODORČEVIĆ, *Kadec norms on spaces of continuous functions*, Serdica Math. J. 32 (2006) 227–258
33. W. KUBIŚ, *Compact spaces generated by retractions*, Topology Appl. 153 (2006) 3383–3396

34. W. KUBIŚ AND H. MICHALEWSKI, *Small Valdivia compact spaces*, Topology Appl. 153 (2006) 2560–2573
35. W. KUBIŚ, O. OKUNEV, AND P. SZEPTYCKI, *On some classes of Lindelöf Σ -spaces*, Topology Appl. 153 (2006) 2574–2590
36. W. KUBIŚ AND V. USPENSKIJ, *A compact group which is not Valdivia compact*, Proc. Amer. Math. Soc. 133 (2005) 2483–2487
37. W. KUBIŚ, K. SAKAI, AND M. YAGUCHI, *Hyperspaces of separable Banach spaces with the Wijsman topology*, Topology Appl. 148 (2005) 7–32
38. M. KOJMAN, W. KUBIŚ, AND S. SHELAH, *On two problems of Erdős and Hechler: new methods in singular madness*, Proc. Amer. Math. Soc. 132 (2004) 3357–3365
39. U. ABRAHAM, R. BONNET, W. KUBIŚ, AND M. RUBIN, *On poset Boolean algebras*, Order 20 (2004) 265–290
40. W. KUBIŚ AND A. LEIDERMAN, *Semi-Eberlein spaces*, Topology Proceedings 28 (2004) 603–616
41. W. KUBIŚ, *Complete metric absolute neighborhood retracts*, Topology Appl. 132 (2003) 251–25
42. W. KUBIŚ, *Perfect cliques and G_δ colorings of Polish spaces*, Proc. Amer. Math. Soc. 131 (2003) 619–623
43. W. KUBIŚ AND S. SHELAH, *Analytic colorings*, Ann. Pure Appl. Logic 121 (2003) 145–161
44. C. COSTANTINI AND W. KUBIŚ, *Paths in hyperspaces*, Appl. Gen. Topol. 4 (2003) 377–390
45. S. GESCHKE, M. KOJMAN, W. KUBIŚ, AND R. SCHIPPERUS, *Convex decompositions in the plane and continuous pair colorings of the irrationals*, Israel J. Math. 131 (2002) 285–317
46. W. KUBIŚ, *Separation properties of convexity spaces*, J. Geom. 74 (2002) 110–119
47. W. KUBIŚ, *A sandwich theorem for convexity preserving maps*, Tatra Mt. Math. Publ. 24, part II, (2002) 125–131
48. W. KUBIŚ, *A characterization of complete Boolean algebras*, Bull. Polish Acad. Sci. Math. 49 (2001) 91–95
49. W. KUBIŚ AND A. KUCHARSKI, *Convexity structures in zero-dimensional compact spaces*, Math. Pannon. 12 (2001) 177–18
50. W. KUBIŚ, *Extension theorems in axiomatic theory of convexity*, Bull. Polish Acad. Sci. Math. 48 (2000) 89–96
51. W. KUBIŚ, *Extension criterion for continuous convexity preserving maps*, Tatra Mt. Math. Publ. 19, part II, (2000) 167–175
52. B. KUBIŚ AND W. KUBIŚ, *Fréchet type theorem and its applications to multifunctions*, Bull. Polish Acad. Sci. Math. 48 (2000) 165–170