

Short CV in English

Professor Dimitrios Georgiou

I.1. PERSONAL DETAILS

Name and Surname: Dimitrios Georgiou

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I.2. EDUCATION

BSc in Mathematics, University of Patras, Greece (1985).

PhD in Mathematics, University of Patras, Greece (1992).

I.3. ACADEMIC HONOURS and AWARDS

1. Highest Grade Point Average, Department of Mathematics, University of Patras (1985).
2. Scholarship for Excellence in Academic Performance, Department of Mathematics, University of Patras, National Scholarship Foundation, Greece (1981 through 1985).

I.4. RESEARCH INTERESTS

Dimension Theory

Universal Spaces

Function Spaces

Topological Groups

Topology and Discrete Mathematics

Mathematical Analysis (Convergences of sequences and nets)

Partially ordered Sets, Lattices and Frames (Study of dimensions and universal elements)

Applications of Topology in Various Sciences

I.5. RESEARCH EXPERIENCE

1. Senior researcher in eight national research programs in the area of Mathematics.
2. Principal Investigator of two national research programs on Topology:
 - A. Topology and its Applications (Duration: Three Years)
 - B. Dimension theory and universal spaces (Duration: Three Years).

I.6. TEACHING EXPERIENCE

■ *University of Thessaly: School of Engineering*

- ▶ General Mathematics I, Statistics, and Descriptive Geometry (1994-2001)

■ *University of Patras: School of Exact Sciences*

▶ Department of Mathematics

Undergraduate Courses: Analytic Geometry, Linear Algebra, Real Analysis I, Real Analysis II, Set Theory, An introduction to Algebra and Set Theory, Infinite Calculus III and General Topology (2001-present)

Post Graduate courses: Topology I, Topology II, Topological Groups, Dimension Theory

▶ Department of Biology

Undergraduate Courses: General Mathematics–Biostatistics (2017-present)

▶ Department of Geology

Undergraduate Courses: General Mathematics and Mathematics-Statistics (2017-present)

▶ Department of Pharmacy

Undergraduate Courses: Applied Mathematics (academic year 2024-2025)

I.7. M.S. THESES SUPERVISION

Completed (10): University of Patras

I.8. PH. D. DISSERTATION SUPERVISION

Completed (1): A.C. Megaritis, Dimension Theory and universal spaces.

Completed (2): B. K. Petropoulos, Function Spaces.

Completed (3): G. Prinos, A study of statistical and I-convergences in topological spaces.

Completed (4): F. Sereti, A study of dimension theory in the field of topological spaces and lattices.

I.9. LANGUAGES

English : Excellent

Greek: Excellent

I.10. COMPUTER SKILLS

Microsoft office

Matlab

Mathematica

Latex

I.11 PUBLICATIONS

1. Research Publications

[1]. D. N. Georgiou and S. D. Iliadis, *Containing spaces and a -uniformities*, (Colloquia Mathematica Societatis Janos Bolyai 55, Topology, Peés, Hungary, 1989), **Topology. Theory and applications, II (Pecs, 1989) North-Holland, Amsterdam** (1993), 245-282.

[2]. D. N. Georgiou and S. D. Iliadis, *Containing spaces and the property of finite intersections*, (V Convegno Internazionale di Topologia in Italia, Lecce-Otranto, 17-21 Settembre

1992), **Rendiconti del Circolo Matematico di Palermo**, Serie II, No. 29 (1992), 415-424.

[3]. Γεωργίου Δημήτρης, *Περιεκτικοί χώροι και α -ομοιομορφία*, Διδακτορική Διατριβή, **Μαθηματικό Τμήμα Πανεπιστημίου Πατρών**, Πάτρα 1992.

[4]. D. N. Georgiou, S. D. Iliadis and B. Papadopoulos, *Topologies on function spaces* (Ρωσικά), **Studies in Topology, VII, Zapiski Nauchnykh Seminarov S.-Peterburg Otdel. Mat. Inst. Steklov (POMI)**, (210) 1992, 82-97.

Μεταφράστηκε και δημοσιεύθηκε στα Αγγλικά στο: **Journal of Mathematical Sciences**, 81 (1996), No. 2, 2506-2514.

[5]. D. N. Georgiou, S. D. Iliadis and B. K. Papadopoulos, *Topologies and orders on function spaces*, **Publicationes Mathematicae Debrecen**, 46/1-2 (1995), 1-10.

[6]. D. N. Georgiou and S. D. Iliadis, *Universal spaces for families of separable metrizable spaces* (Ρωσικά), **Studies in Topology, VIII, Zapiski Nauchnykh Seminarov S.-Peterburg Otdel. Mat. Inst. Steklov (POMI)**, 231 (1995), 88-134.

Μεταφράστηκε και δημοσιεύθηκε στα Αγγλικά στο: **Journal Mathematical Sciences**, 91 (1998), No. 6, 3387-3415.

[7]. D. N. Georgiou and B. K. Papadopoulos, *Convergences and topologies on function spaces*, **Panamerican Mathematical Journal**, No. 1, 5 (1995), 101-119.

[8]. D. N. Georgiou, *A note on a question of Y. Hattori*, **Questions and Answers in General Topology**, Vol. 13, No. 2 (1995), 217-219.

[9]. D. N. Georgiou and B. K. Papadopoulos, *Ideals and its applications*, **Journal of Institute of Mathematics and Computer Sciences (Mathematics Series)** Vol. 9, No.1 (1996), 105-117.

[10]. D. N. Georgiou, *On X - θ -splitting and X - θ -jointly continuous topologies on function spaces*, **Rendiconti dell' Istituto di Matematica dell' Universita di Trieste**, No. 1-2, 27 (1996), 195-202.

[11]. D. N. Georgiou and B. K. Papadopoulos, *A note on the finest splitting topology*, **Questions and Answers in General Topology**, Vol. 15, No. 2 (1997), 137-144.

[12]. D. N. Georgiou and S. D. Iliadis, *Rational n -dimensional spaces and the property of universality* (Ρωσικά), **Fundamentalnaya i prikladnaya matematika**, Vol. 4, No. 1 (1998), 49-74.

[13]. D. N. Georgiou and B. K. Papadopoulos, *Boundedness and fuzzy sets*, **The Journal of Fuzzy Mathematics**, 6 (1998), No. 4, 941-955.

[14]. D. N. Georgiou and B. K. Papadopoulos, *Convergences in fuzzy topological spaces*, **Fuzzy Sets and Systems**, 101 (1999), No. 3, 495-504.

[15]. D. N. Georgiou and B. K. Papadopoulos, *On fuzzy compactness*, **Journal of Mathematical Analysis and Applications**, 233 (1999), 86-101.

[16]. D. N. Georgiou, *A few remarks concerning ϑ -continuous functions and topologies on function spaces*, **Journal of Institute of Mathematics and Computer Sciences (Mathematics Series)** Vol. 12, No. 2 (1999), 129-138.

- [17]. D. N. Georgiou and B. K. Papadopoulos, *Scott topology and fuzzy sets*, **The Journal of Fuzzy Mathematics**, Vol. 7, No. 4 (1999), 803-820.
- [18]. D. N. Georgiou and B. K. Papadopoulos, *On fuzzy boundedness*, **Panamerican Mathematical Journal**, 10 (2000), No. 1, 25-43.
- [19]. D. N. Georgiou and B. K. Papadopoulos, *On fuzzy θ -convergences*, **Fuzzy Sets and Systems**, 116 (2000), No. 3, 385-399.
- [20]. D. N. Georgiou, B. K. Papadopoulos and K. Perakis, *Fuzzy strongly and fuzzy super continuous functions*, **Indian Journal of Mathematics**, Vol. 42, No. 2 (2000), 153-165.
- [21]. D. N. Georgiou, S. D. Iliadis and B. K. Papadopoulos, *Topologies on function spaces and the coordinate continuity*, **Topology Proceedings**, Vol. 25 (2000), 505-517.
- [22]. D. N. Georgiou and B. K. Papadopoulos, *Strongly θ -continuous functions and topologies on function spaces*, **Papers in honour of Bernhard Banaschewski (Cape Town, 1996) (Edited by Guillaume Brummer and Christopher Gilmour) Kluwer Academic Publishers**, (2000), 433-444.
- [23]. P. Samaras, A. Kungolos, E. Karakasidis, D. Georgiou and K. Perakis, *Statistical Evaluation of PCDD/F Emission Data During Solid Waste Combustion by Fuzzy Clustering Techniques*, **Journal of Environmental Science and Health, Marcel Dekker, Inc. (part A)**, 36(2) (2001), 153-161.
- [24]. D. N. Georgiou and B. K. Papadopoulos, *Weakly θ -continuous, weakly continuous, super continuous functions and topologies on function spaces*, **Scientiae Mathematicae Japonicae** 53, No. 2 (2001), 233-246.
- [25]. D. N. Georgiou, *On fuzzy function spaces*, **The Journal of Fuzzy Mathematics**, 9 (2001), No. 1, 11-126.
- [26]. D. N. Georgiou and I. E. Kougias, *On fuzzy Fredholm and Voltera Integral equations*, **The Journal of Fuzzy Mathematics**, Vol. 9, No. 4 (2001), 943-951.
- [27]. D. N. Georgiou and B. K. Papadopoulos, *On Almost continuous, δ -continuous and almost strongly θ -continuous functions*, **Mathematical Sciences Research Hot-line**, 5(7) (2001), 41-56.
- [28]. D. N. Georgiou and B. K. Papadopoulos, *On nearly compact topological and fuzzy topological spaces*, **Topology and its Applications**, 123 (2002), No. 1, 73-85.
- [29]. D. N. Georgiou, *On fuzzy continuous functions*, **Far East Journal of Mathematical Sciences**, 5(3) (2002), 225-237
- [30]. D. N. Georgiou and I. E. Kougias, *Bounded solutions for fuzzy integral equations*, **International Journal of Mathematics and mathematical Sciences**, 31:2 (2002), 109-114.
- [31]. M. Caldas, D. N. Georgiou and S. Jafari, *Characterizations of low separation axioms via α -open sets and α -closure operator*, **Boletim da Sociedade Paranaense de Matematica**, V. 20 1/2 (2002), 1-15.

- [32]. D. N. Georgiou, *Topologies on Functions spaces*, **Rendiconti del Circolo Matematico di Palermo**, Serie II, Tomo LII (2003), 145-157.
- [33]. D. N. Georgiou and A. Mistakidis, *Fuzzy sets in seismic inelastic analysis and design of reinforced concrete frames*, **Advances in Engineering Software (Elsevier)**, 34 (2003), 589-599.
- [34]. D. N. Georgiou, S. D. Iliadis and B. K. Papadopoulos, *n-Tuple relations and topologies on function spaces*, **Applied General Topology**, vol. 4 (2003), No. 2, 467-474.
- [35]. Th. Karakasidis and D. N. Georgiou, *Partitioning elements of the periodic table via fuzzy clustering technique*, **Soft computing (Springer-Verlag)**, 8 (2004), 231-236.
- [36]. D. N. Georgiou, S.D. Iliadis and B.K. Papadopoulos, *On dual topologies*, **Topology and its Applications**, Vol. 140 (2004), 57-68..
- [37]. D. N. Georgiou and I. E. Kougias, *On Cauchy problems for fuzzy differential equations*, **International Journal of Mathematics and mathematical Sciences**, 15 (2004), 799-805.
- [38]. M. Caldas, D. N. Georgiou, S. Jafari and T. Noiri, *More on δ -semi open sets*, **Note di Matematica** 22 (2003/04), No. 2, 113-126.
- [39]. D. N. Georgiou, S. Jafari and T. Noiri, *Properties of (Λ, δ) -closed sets in topological spaces*, **Bolletino della unione matematica italiana** (8) 7 (2004), No. 3, 745-756.
- [40]. D. N. Georgiou and B. K. Papadopoulos, *A note on oscillation in fuzzy topological spaces*, **Far East Journal of Mathematical Sciences**. Vol. 27, Issue 3 (2007), 589-606.
- [41]. M. Caldas, D. N. Georgiou, S. Jafari and T. Noiri, *A unified theory of $T_{\frac{1}{2}}$ spaces*, **Annales Universitatis Scientiarum Budapestinensis, Sectio Mathematica** 46 (2003), 121-131.
- [42]. D. N. Georgiou and S.D. Iliadis, *A generalizationn of core compact spaces*, **Topology and its Applications**, 153 (2005), No. 5-6, 868-873.
- [43]. M. Caldas, D. N. Georgiou, S. Jafari and T. Noiri, *α -convergences in fuzzy topological spaces*, **The Journal of Fuzzy Mathematics** 13 (2005), No.2, 305-317.
- [44]. M. Ganster, D. N. Georgiou, S. Jafari, and S.P. Moshokoa, *On some application of fuzzy points*, **Applied General Topology**, 6 (2005), No. 2, 119-133.
- [45]. D. N. Georgiou and S. D. Iliadis, *A note on locally ν -bounded spaces*, **Applied General Topology**, 6 (2005), No. 2, 143-148.
- [46]. M. Caldas, D. N. Georgiou, S. Jafari and T. Noiri, *On (Λ, θ) -Closed Sets*, **Questions and Answers in General Topology** 23 (2005), No. 1, 69-87.
- [47]. Juan J. Nieto, A. Torres, D. N. Georgiou, and T.E. Karakasidis, *Fuzzy Polynucleotide Spaces and Metrics*, **Bulletin of Mathematical Biology (Springer-Verlag)**, 68 (2006), No. 3, 703–725.
- [48]. D. N. Georgiou, Juan J. Nieto, Rosana Rodriguez-Lopez *Initial value problems for hogher-order fuzzy differential equations*, **Nonlinear Analysis(Elsevier)**, 63 (2005), No. 4, 587-600.

- [49]. M. Caldas, M. Ganster, D. N. Georgiou, S. Jafari and V. Popa, *On a generalization of closed sets*, **Kyungpook Mathematical Journal**, 47 (2007), No. 2, 155–164.
- [50]. M. Caldas, M. Ganster, D. N. Georgiou, S. Jafari, and S.P. Moshokoa, *δ -semiopen sets in Topology*, **Topology Proceedings** 29 (2005), No. 2, 369-383.
- [51]. D.N. Georgiou and S.D. Iliadis, *Some topologies on lattices*, **Atti del Seminario Matematico e Fisico dell'Universita' di Modena**, LIII (2005), 119-129.
- [52]. D.N. Georgiou and S.D. Iliadis, *Some problems concerning splitting and admissible topologies*, **Questions and Answers in General Topology**, 23 (2005), No. 2, 101-105.
- [53]. M. Ganster, D. N. Georgiou, and S. Jafari, *On fuzzy topological groups and continuous functions*, **Hacettepe Journal of Mathematics**, 34 (2005), 35-43.
- [54]. D. N. Georgiou, S. D. Iliadis, and F. Mynard, *Function space topologies*, **Open Problems in Topology 2** (Edited by Eliot Pearl "Editor") (Elsevier), 2007, 15-22.
- [55]. D. N. Georgiou and S. D. Iliadis, *On the compact open and finest splitting topology*, **Topology and its Applications (Elsevier)**, 154 (2007), No. 10, 2110–2116.
- [56]. M. Caldas, D. N. Georgiou, and S. Jafari, *Study of (Λ, α) -closed sets and the related notions in topological spaces*, **Bulletin of the Malaysian Mathematical Sciences Society**, (2) 30 (2007), No. 1, 23–36.
- [57]. D. N. Georgiou and S.D. Iliadis, *On finest splitting and admissible topologies for some function spaces*, **Topology Proceedings**, 30 (2006), No. 2, 459–465.
- [58]. M. Caldas, M. Ganster, D. N. Georgiou, S. Jafari, and T. Noiri, *On generalized Λ_θ -sets and maps*, **Questions and Answers in General Topology**, 24 (2006), No. 1, 51–65..
- [59]. D. N. Georgiou and S.D. Iliadis, *Games on classes of spaces*, **Note di Matematica**, 27, No. 1 (2007), 89-96.
- [60]. D. N. Georgiou and S.D. Iliadis, *A note on A -splitting and A -admissible topologies on function spaces*, **Note di Matematica**, 27, No. 1 (2007), 85-87.
- [61]. D. N. Georgiou and S.D. Iliadis, *Topologies on posets and function spaces*, **Topology Proceedings**, 30 (2006), No. 2, 467–473.
- [62]. D. N. Georgiou, S.D. Iliadis and A. Megaritis, *Dimension-like functions and universality*, **Topology and its Applications** 155 (2008), no. 17-18, 2196–2201.
- [63]. D. N. Georgiou, S.D. Iliadis and A. Megaritis, *On some new dimension-like functions*, **Topology Proceedings**, 31 (2007), No. 1, 125–136..
- [64]. M. Caldas, D. N. Georgiou, and S. Jafari, *On quasi semi- θ -closed sets in Topology*, **Quaestiones Mathematicae**, 30 (2007), No. 3, 309–319.
- [65]. D.N. Georgiou, S. Jafari, and T. Noiri, *Characterizations of closed sets in product spaces*, **Mathematica** Tome 50(73), No. 1 (2008), 51–58.
- [66]. D.N. Georgiou and S.D. Iliadis, *On the greatest splitting topology*, **Topology and its Applications** 156 (2008), no. 1, 70–75.

- [67]. Juan J. Nieto, Rosana Rodriguez-Lopez, and D.N. Georgiou, *Fuzzy differential systems under generalized metric spaces approach*, **Dynamic Systems and Applications**, 17 (2008), 1-24.
- [68]. M. Caldas, M. Ganster, D.N. Georgiou, S. Jafari, and T. Noiri, *On θ -semiopen sets and separation axioms in topological spaces*, **Carpathian Journal of Mathematics** 24 (2008), no. 1, 13–22.
- [69]. D.N. Georgiou, *On function spaces*, **Quaderno Theory And Applications of Proximity, Nearness and Uniformity** (Book)(Article in Press).
- [70]. D.N. Georgiou and Sang-Eon Han, *On computer topological function space*, **Journal of the Korean Mathematical Society** 46 (2009), no. 4, 841–857..
- [71]. D. N. Georgiou, S.D. Iliadis and A. Megaritis, *On positional dimension-like functions*, **Topology Proceedings** 33 (2009), 285–296.
- [72]. D. N. Georgiou and S.D. Iliadis, *On the compact-open and admissible topologies*, **Topology and its Applications**, Volume 156, Issue 11, 2009, 1919-1924.
- [73]. D.N. Georgiou, S.D. Iliadis and K.L. Kozlov, *Base normal inductive dimension*, **Vestnik Moskov. Univ., ser. 1 Mat. Mech.**, 2009, No 3, 13 - 20 (in Russian). Translation in **Moscow Univ. Math. Bull.** 64 (2009), no. 3, 95 - 101.
- [74]. D N Georgiou, Theodoros E Karakasidis, J J Nieto, and A Torres, *Use of Fuzzy Clustering Technique and Matrices to Classify Amino Acids and Its Impact to Chou's Pseudo Amino Acid Composition*, **Journal of Theoretical Biology**,, vol. 257, no. 1 (2009), 17–26.
- [75]. D N Georgiou, *Topologies for function spaces*, **Atti del Seminario Matematico e Fisico dell'Universita' di Modena e Reggio Emilia**, 57 (2010), 3-16.)
- [76]. D.N. Georgiou, S.D. Iliadis and K.L. Kozlov, *On the large transfinite inductive dimension of a space by a normal base*, **Mathematicki Vesnik** 61 (2009), no. 1, 93–102.
- [77]. D.N. Georgiou, *Topologies on function spaces and hyperspaces*, **Applied General Topology** Volume 10 Number 1 (2009), 159–171.
- [78]. D.N. Georgiou, S.D. Iliadis and A. Megaritis, *The universality property for some dimension-like functions*, **Questions and Answers in General Topology**, 27 (2009), no. 2, 141–156.
- [79]. D. N. Georgiou, S. D. Iliadis, and A. C. Megaritis, *Dimension-like functions of the type \dim and universality*, **Topology and its Applications** 156 (2009), 3077–3085.
- [80]. D. N. Georgiou, S. D. Iliadis, and A. C. Megaritis, *$C(\tau)$ -cosmic spaces*, **Topology Proceedings**, 38 (2011), 149–164.
- [81]. D N Georgiou, Theodoros E Karakasidis, J J Nieto, and A Torres, *A study of entropy/clarity of genetic sequences using Metric Spaces and Fuzzy Sets*, **Journal of Theoretical Biology**, 267 (2010), 95–105.
- [82]. D. N. Georgiou, S. D. Iliadis, and A. C. Megaritis, *On some positional dimension-like functions*, **Topology Proceedings**, 36 (2010), 337–352.

- [83]. D. N. Georgiou and A. C. Megaritis, *On the relative dimensions \dim and \dim^* I*, **Questions and Answers in General Topology**, 29 (2011), no. 1, 1–16.
- [84]. D. N. Georgiou and A. C. Megaritis, *On the relative dimensions \dim and \dim^* II*, **Questions and Answers in General Topology**, 29 (2011), no. 1, 17–29.
- [85]. D.N. Georgiou, S.D. Iliadis and K.L. Kozlov, *Covering dimension d by a normal base*, **Topology and its Applications**, 158 (2011), no. 15, 1990–1996.
- [86]. M. Caldas, M. Ganster, D. N. Georgiou and S. Jafari, *More on Λ_s -semi- θ -closed sets*, **Kochi Journal of Mathematics**, 6 (2011), 115–125.
- [87]. D. N. Georgiou, S. D. Iliadis, and A. C. Megaritis, *Positional dimension-like functions of the type Ind* , **Topology and its Applications**, 158 (2011), no. 15, 2056–2065.
- [88]. D. N. Georgiou and A. C. Megaritis, *On a new relative invariant covering dimension*, **Extracta Mathematicae** Volumen 25, Número 3 (2010), 263–277.
- [89]. D. N. Georgiou and A. C. Megaritis, *Covering dimension and finite spaces*, **Applied Mathematics and Computation**, 218 (2011), Issue 7, 3122–3130.
- [90]. D. N. Georgiou, Ioannis Kougias, and A. C. Megaritis, *Borel structures for the set of Borel mappings*, **Topology and its Applications**, 159 (2012), no. 7, 1906–1915.
- [91]. D. N. Georgiou, S. D. Iliadis, and A. C. Megaritis, *Universal elements for some classes of spaces*, **Applied General Topology**, 12 (2011), no. 2, 193–211.
- [92]. D. N. Georgiou, S. D. Iliadis, and K.L. Kozlov, *The covering dimension invariants*, **Topology and its Applications**, 159 (2012), no. 9, 2392–2403.
- [93]. D. N. Georgiou and Sang-Eon Han, *Generalized Topological Function Space and a Classification of Generalized Computer Topological Spaces*, **Filomat** 26 (2012), no. 3, 539–552.
- [94]. D. N. Georgiou, *Topologies on hyperspaces*, **Bollettino dell’Unione Matematica Italiana**,(9) 5 (2012), no. 1, 173–186.
- [95]. D. N. Georgiou, S. D. Iliadis, and A. C. Megaritis, *Base dimension-like functions of the type ind* , **Topology and its Applications**, 159 (2012), no. 14, 3204–3214.
- [96]. T.E. Karakasidis, D.N. Georgiou, and Juan J. Nieto, *Tensile strength of materials and hardness scales: a fuzzy regression analysis*, **Journal of Intelligent and Fuzzy Systems**, 23 (2012), 177–186.
- [97]. D.N. Georgiou and A.C. Megaritis, *Remarks and questions on base positional dimension-like functions of the type Ind* , **Mathematical Sciences and Applications E-Notes**, Volume 1 No. 1 (2013), 9–17.
- [98]. D.N. Georgiou and A.C. Megaritis, *A note on dimension-like functions of the type Ind defined by big bases*, **Filomat**, 27:6 (2013), 1113–1120.
- [99]. D. N. Georgiou, S. D. Iliadis, and A. C. Megaritis, *On base dimension-like functions of the type Ind* , **Topology and its Applications**, 160, (2013), 2482–2494.

- [100]. D. N. Georgiou, Sang-Eon Han, and A. C. Megaritis, *Dimensions of the type dim and Alexandroff spaces*, **Journal of the Egyptian Mathematical Society (Elsevier)** **21** (2013), 311–317.
- [101]. D. N. Georgiou, A. C. Megaritis, and V. Petropoulos, *On soft topological spaces*, **Appl. Math. Inf. Sci.** **7** (2013), no. 5, 1889–1901.
- [102]. D. N. Georgiou, T.E.Karakasidis, and A.C.Megaritis, *A Short Survey on Genetic Sequences, Chou's Pseudo Amino Acid Composition and its Combination with Fuzzy Set Theory*, **The Open Bioinformatics Journal**, 2013, 7, (Suppl-1, M4) 41–48.
- [103]. D. N. Georgiou, A. C. Megaritis, and V. Petropoulos, *Function Measurable Spaces*, **Topology Proceedings** **43** (2014), 159–181.
- [104]. D. N. Georgiou, A. C. Megaritis, and K. Papadopoulos, *Admissible topologies on $C(Y, Z)$ and $\mathcal{O}_Z(Y)$* , **Questions Answers Gen. Topology**, **32** (2014), 17–33.
- [105]. D.N. Georgiou, A.C. Megaritis, and S.P. Moshokoa, *Small inductive dimension and Alexandroff topological spaces*, **Topology and its Applications**, **168** (2014) 103–119.
- [106]. D. N. Georgiou and A. C. Megaritis, *An algorithm of polynomial order for computing the covering dimension of a finite space*, accepted for publication in **Applied Mathematics and computation (Elsevier)** **231** (2014), 276–283.
- [107]. D. N. Georgiou and A. C. Megaritis, *Soft Set Theory and Topology*, **Applied General Topology**, **15**, No 1 (2014), 93–109.
- [108]. Dimitris N. Georgiou, Athanasios C. Megaritis, and Seithuti P. Moshokoa, *A computing procedure for the small inductive dimension of a finite T_0 -space*. **Computational and Applied Mathematics (Springer)**, **34** (2015), no. 1, 401–415.
- [109]. D. N. Georgiou, A. C. Megaritis and V. I. Petropoulos, *Topological structures on the set of Borel maps of class α* . **Filomat** **29** (2015), no. 1, 143–154.
- [110]. D. N. Georgiou and A. C. Megaritis, *The quasi Scott (Lawson) topology and quasi continuous (algebraic) complete lattices*. **Filomat** **29** (2015), no. 1, 193–207.
- [111]. D. N. Georgiou and A. C. Megaritis, *The quasi Isbell topology on function spaces*. **Colloquium Mathematicum** **141** (2015), no. 1, 13–24.
- [112]. D. N. Georgiou *On some new positional small inductive dimensions for uniform spaces*, **Annales Univ. Sci. Budapest., Sect. Math.**, **57** (2014), 15–32.
- [113]. Themba Dube, Dimitris N. Georgiou, Athanasios C. Megaritis, and Seithuti P. Moshokoa, *A study of covering dimension for the class of finite lattices*. **Discrete Mathematics (Elsevier)**, **338** (2015) 1096–1110.
- [114]. D. N. Georgiou, I. Kougias, A.C. Megaritis, *The universality property for some new classes of spaces*, **Topology and its Applications (Elsevier)** **201** (2016) 235–246.
- [115]. D.N. Georgiou, T.E. Karakasidis, A.C. Megaritis, J.J. Nieto, and A. Torres, *An extension of fuzzy topological approach for comparison of genetic sequences*. **Journal of Intelligent and Fuzzy Systems** **29** (2015) 2259–2269.

- [116]. Dimitris Georgiou, Athanasios Megaritis, Kyriakos Papadopoulos, and Vasilios Petropoulos, *A study concerning splitting and jointly continuous topologies on $C(Y, Z)$* , **Quaestiones Mathematicae**, Volume 39, Issue 3, 2016, 363–379.
- [117]. Dimitris N. Georgiou, Athanasios C. Megaritis, and Foteini Sereti, *A study of the order dimension of a poset using matrices*, **Quaestiones Mathematicae**, Volume 39, Issue 6, 2016, 797–814.
- [118]. Dimitris N. Georgiou, Athanasios C. Megaritis, and Seithuti P. Moshokoa, *Finite Spaces: A reduction algorithm for the computation of the small inductive dimension*, **Computational and Applied Mathematics (Springer)**, 36 (2017), 791–803.
- [119]. Dimitris N. Georgiou and Athanasios C. Megaritis, *A class of topological spaces between the classes of regular and Urysohn spaces*. **Mathematica Slovaca** 67 (2017), No. 5, 1251–1262
- [120]. Dimitris N. Georgiou, Athanasios C. Megaritis, and Foteini Sereti, *A topological dimension greater than or equal to the classical covering dimension*, **Houston Journal of Mathematics**, Vol. 43, No. 1, 2017, 283–298.
- [121]. Dimitris N. Georgiou and Athanasios C. Megaritis, *Cardinal invariants and universality*, **Topology and its Applications**, 220 (2017), 152–163.
- [122]. D. N. Georgiou, A. C. Megaritis and F. Sereti, *A study of the quasi covering dimension for finite spaces through the matrix theory*, Hacettepe Journal of Mathematics and Statistics Volume 46 (1) (2017), 1–15.
- [123]. D. N. Georgiou, S. D. Iliadis, A. C. Megaritis and G. A. Prinos, *Ideal-convergence classes*, **Topology and its Applications (Elsevier)**, 222 (2017) 217–226.
- [124]. T. Dube, D. N. Georgiou, A. C. Megaritis, and F. Sereti, *Studying the Krull dimension of finite lattices under the prism of matrices*, **Filomat**, Volume 31, Number 10, 2017, 2901–2915.
- [125]. D. N. Georgiou, A. C. Megaritis, and G. A. Prinos, *A study on convergence and ideal convergence classes*, **Topology and its Applications (Elsevier)** 241 (2018) 38–49.
- [126]. D. N. Georgiou, A. C. Megaritis, S. Özçağ, *Statistical convergence of sequences of functions with values in semi-uniform spaces*, **Commentationes Mathematicae Universitatis Carolinae** 59, 1 (2018) 103–117.
- [127]. D. N. Georgiou and K. L. Kozlov, *On the estimation of the large inductive dimension of a product of compacta*, **Topology and its Applications (Elsevier)** 241 (2018), 70–77.
- [128]. D. Boyadzhiev, D. N. Georgiou, A. C. Megaritis, F. Sereti, *A study of a covering dimension of finite lattices*, **Applied Mathematics and Computation (Elsevier)** 333 (2018) 276–285.
- [129]. D. N. Georgiou, A. C. Megaritis, I. Naidoo, G. A. Prinos, F. Sereti, *Convergence of nets in posets via an ideal*, **Scientiae Mathematicae Japonicae**, (in Editione Electronica), e-2018, Whole Number 31, 2018.
- [130]. D. N. Georgiou, A. C. Megaritis, F. Sereti, *A study of the quasi covering dimension of Alexandroff countable spaces using matrices*, **Filomat**, 32:18 (2018), 6327–6337.

- [131]. D. Georgiou, I. Kougias, A. Megaritis, G. Prinos, F. Sereti, *A study of a new dimension for frames*, accepted for publication in **Topology and its Applications** (Elsevier), 275 (2020), 106995.
- [132]. D. N. Georgiou, A. C. Megaritis, I. Naidoo, G. A. Prinos, F. Sereti, *A study of convergences in partially ordered sets*, **Topology and its Applications** (Elsevier) , 275 (2020), 106994.
- [133]. D. N. Georgiou, S. D. Iliadis, A. C. Megaritis, F. Sereti, *Small inductive dimension and universality on frames*, **Algebra universalis (Springer)** 80 (2019), no. 2, Art. 21.
- [134]. D. Boyadzhiev, D. Georgiou, A. Megaritis, F. Sereti, *A study of the quasi covering dimension of finite lattices*, **Computational and Applied Mathematics** 38 (2019), no. 3, Art. 109 (Springer).
- [135]. D. Georgiou, S. Iliadis, A. Megaritis, F. Sereti, *Universality property and dimension for frames*, **Order: A Journal on the Theory of Ordered Sets and its Applications**, DOI: <https://doi.org/10.1007/s11083-019-09513-3> (Springer) Published 19 November (2019). volume 37, no. 3, 2020, 427–444.
- [136]. Georgiou D. N., Megaritis A. C., Sereti F., *Base dimension-like function of the type Dind and universality*, **Topology and its Applications** (Elsevier), *ὄλυμε* 281, (2020), 107201.
- [137]. Dimitrios Georgiou, Athanasios Megaritis, Georgios Prinos, *A notion of convergence in fuzzy partially ordered sets*, **Mathematics** (An Open Access Journal from MDPI) 8 (2020), n. 11, 1958.
- [138]. D. N. Georgiou, A. C. Megaritis, I. Naidoo, F. Sereti, *A study of universal elements in classes of bases of topological spaces*, **Commentationes Mathematicae Universitatis Carolinae (founded by E. Čech)** (founded by E. Čech) 62 (2021), no. 4, 491–506.
- [139]. D. N. Georgiou, A. C. Megaritis, G. A. Prinos, F. Sereti, *On statistical convergence of sequences of closed sets in metric spaces*, **Mathematica Slovaca** (Mathematical Institute of the Slovak Academy of Science) 71 (2021), no. 2, 409–422.
- [140]. R. B. Beshimov, D. N. Georgiou, R.M. Zhuraev, *Index boundedness and uniform connectedness of space of the G-permutation degree*, **Applied General Topology** (2021), vol. 22, no. 2, 447–459.
- [141]. T. Dube, D. N. Georgiou, A. C. Megaritis, I. Naidoo, F. Sereti, *Covering dimension and universality property on frames*, **Order: A Journal on the Theory of Ordered Sets and its Applications (Springer)** 39 (2022), 187–208.
- [142]. R. B. Beshimov, D. N. Georgiou, N. K. Mamadaliev, *On τ -bounded spaces and hyperspaces*, **Filomat**, Volume 36, Issue 1 (2022), 187–193.
- [143]. D. N. Georgiou, Y. Hattori, A. C. Megaritis, F. Sereti, *The dimension Dind of finite topological T_0 -spaces*, **Mathematica Slovaca** (Mathematical Institute of the Slovak Academy of Science) 72 (2022), No. 3, 813–829.
- [144]. D. N. Georgiou, A. C. Megaritis, G. A. Prinos, *New characterizations of fuzzy topology*, accepted for publication in **Matematički Vesnik (Mathematical Society of Serbia)**, 75, 2 (2023), 118–133.

- [145]. D. Georgiou, Y. Hattori, A. Megaritis, F. Sereti, *Universal elements in classes of bases of frames*, **Topology and its Applications (Elsevier)** Volume 329, art. 108367, 2023.
- [146]. D. Georgiou, A. Megaritis, G. Prinos, F. Sereti, *A study of the small inductive dimension in the area of finite lattices*, **Order (Springer)**, **Published: 17 June 2023, Volume 41, Issue 2, 437–461, 2024.**
- [147]. D. N. Georgiou, N. K. Mamadaliev, and R.M. Zhuraev, *A note on functional tightness and minitightness of space of the G -permutation degree*, **Commentationes Mathematicae Universitatis Carolinae (founded by E. Čech)**, Volume 64, Issue 1, 97–108, 2023.
- [148]. R. B. Beshimov, D. N. Georgiou, N. K. Mamadaliev, F. Sereti, *On local density and local weak density of the hyperspace of sets with finitely many components*, **Filomat** 37:14 (2023), 4659–4669.
- [149]. D. Georgiou, G. Prinos, F. Sereti, *Statistical and ideal convergences in Topology*, **Mathematics**, 11 (3), p. 663, 2023.
- [150]. R. B. Beshimov, D. Georgiou, F. Sereti, *The small inductive dimension of finite lattices through matrices*, **Computational and Applied Mathematics (Springer)**, 42, article number 145, 2023.
- [151]. D. N. Georgiou, G. A. Prinos, *On the notion of convergence of a function along an ideal*, accepted for publication to **Topology Proceedings**, 2023.
- [152]. D. N. Georgiou, Y. Hattori, A. C. Megaritis, F. Sereti, *Dimension Theory and Alexandroff Topological Spaces*, **Questions and Answers in General Topology**, 42, No. 1, 1–43, 2024.
- [153]. Beshimov R. B., Georgiou D. N., Sereti F., Zhuraev R. M., *Metric, stratifiable and uniform spaces of G -permutation degree*, **Mathematica Slovaca**, 74 (1) 235–248, 2024.
- [154]. D. N. Georgiou, G. A. Prinos, *A new notion of fuzzy function ideal convergence*, **Mathematics**, 2024, 12 (2), p. 260.
- [155]. D. Georgiou, I. Kougias, A. Megaritis, F. Sereti, *τ -metric spaces and convergence*, to **Filomat**, 38:21 (2024), 7525–7539.
- [156]. D. Georgiou, Y. Hattori, A. Megaritis, F. Sereti, *Zero-Dimensional Extensions of Topologies*, **Topology and its Applications (Elsevier)**, 2025, 109252.
- [157]. D. Georgiou, A. Megaritis, F. Sereti, *Studying the existence of universal elements in classes of semi-open maps*, accepted for publication to **Topology and its Applications (Elsevier)**, 2025, 109244.
- [158]. R. B. Beshimov, D. N. Georgiou, R. M. Juraev, R. Z. Manasipova, F. Sereti, *Some topological properties of e -space and description of τ -closed sets*, **Filomat**, 39:8 (2025), 2625–2637.
- [159]. D. Georgiou, Y. Hattori, A. Megaritis, F. Sereti, *A study on dimensions of continuous mappings*, **Tatra Mountains Mathematical Publications**, 2025.
- [160] Beshimov R. B., Georgiou D. N., Mamadaliev N. K., Sereti F., *Cardinal invariants and the space of semiadditive functionals of finite support*, **Questions and Answers in General Topology**, 2025.

- [161] D. Georgiou, A. Megaritis, F. Sereti, *Universal mappings with fixed range the Euclidean Space \mathbb{R}^n* , **Colloquium Mathematicum**, 2025.
- [162] D. Georgiou, Y. Hattori, A. Megaritis, F. Sereti, *Finite lattices and large inductive dimension*, **Applied General Topology**, 2025.
- [163] D. Georgiou, Y. Hattori, A. Megaritis, F. Sereti, *The existence of universal elements in new classes of mappings*, **Commentationes Mathematicae Universitatis Carolinae**, 2025.
- [164] F. Sereti, D. Georgiou, T. Karakasidis, *Models of low-dimensional vector-fuzzy representations of genetic sequences and amino acids*, **AppliedMath (mdpi)**, 2026.

2. Abstracts

- [1]. D. N. Georgiou and S. D. Iliadis, *Uniform families of compact spaces of a given rim-type*, **Janos Bolyai Mathematical Society, Colloquim on Topology**, August 7-11, 1989, Pećs, Hungary, p. 19.
- [2]. D. N. Georgiou and S. D. Iliadis, *Containing spaces and the property of finite intersections*, **V Convegno Internazionale di Topologia in Italia**, September 17-21, 1990, Lecce-Otranto, Italia, p. 45.
- [3]. D. N. Georgiou and S. D. Iliadis, *First category spaces and the property of universality*, **Janos Bolyai Mathematical society, Colloquim on Topology**, August 23-27, 1993, Szekszard, Hungary, p. 23.
- [4]. D. N. Georgiou and S. D. Iliadis, *The property of τ -universality*, **Tenth summer Conference on General Topology and its Applications**, August 15-18, 1994, The Netherlands, p. 66.
- [5]. D. N. Georgiou and B. K. Papadopoulos, *On nearly compact topological and fuzzy topological spaces*, **Janos Bolyai Mathematical Society, Colloquim on Topology**, August 9-15, 1998, Gyula, Hungary, p. 9.
- [6]. D. N. Georgiou, S. D. Iliadis and B. K. Papadopoulos, *Characterizations of some topologies on function spaces*, **The first Turkish International Conference on Topology and its Applications**, August 2-5, 2000, Instabul, Turkey, p. 10.
- [7]. D. N. Georgiou, S. D. Iliadis and B. K. Papadopoulos, *Topologies on function spaces generated by filters*, **International Conference on Topology and its Applications**, September 2-9, 2000, Ohrida, Skopia.
- [8]. D. N. Georgiou, S. D. Iliadis and B. K. Papadopoulos, *Some problems on function spaces*, **IV Iberoamerican Conference on Topology and its Applications**, April 18-21, 2001, Coimbra, Portugal, p. 19.
- [9]. D. N. Georgiou, S. D. Iliadis and B. K. Papadopoulos, *A characterization of splitting topologies on the set $C(Y,F)$* , **International Conference "Function spaces, proximities and quasi-uniformities"**, September 14-18, 2001, Caserta, Italy, p. 8.
- [10]. M. Caldas, D. N. Georgiou, S. Jafari and T. Noiri, *More on δ -semiopen sets*, **Workshop on Coverings, Selections, and Games in Topology**, June 27-29, 2002 Lecce, Italy.

- [11]. D. N. Georgiou, S. D. Iliadis, *On Scott topology and core compact spaces*, **V Ibero-american Conference on General Topology and its Applications**, June 10-14, 2003 Lorca, Murcia, Spain.
- [12]. M. Caldas, D. N. Georgiou, S. Jafari and T. Noiri, *A unified theory of $T_{\frac{1}{2}}$ spaces*, **Colloquium on Topology dedicated to the 60th Birthday of Istvan Juhász**, August 8-13, 2003 Budapest, Hungary.
- [13]. D. N. Georgiou and S. D. Iliadis, *On locally bounded spaces*, **V Italian-Spanish Conference on General Topology and its Applications**, June 21-23, 2004 Almeria, Spain.
- [14]. M. Ganster, D. N. Georgiou, S. P. Moshokoa and S. Jafari, *On some applications of fuzzy points*, **V Italian-Spanish Conference on General Topology and its Applications**, June 21-23, 2004 Almeria, Spain.
- [15]. M. Caldas, M. Ganster, D. N. Georgiou, S. P. Moshokoa and S. Jafari, *On δ -semiopen sets in topology*, **2004 Summer Conference on Topology and its Applications**, July 5-9, 2004 Cape Town, South Africa.
- [16]. D. N. Georgiou and S. D. Iliadis, *Some topologies on lattices*, **Eleventh Meeting on Real Analysis and Measure Theory** 11-17 July, 2004 Ischia, Italy.
- [17]. M. Caldas, D. N. Georgiou and S. Jafari, *On quasi semi- θ -closed sets in Topology*, **International Conference on Topology and its Applications**, September 1-4, 2004 Skopje.
- [18]. D. N. Georgiou and S. D. Iliadis, *Some problems concerning splitting and admissible topologies*, **International Mediteranean Congress of Mathematics**, Almeria 2005, June 6-10, 2005.
- [19]. D. N. Georgiou, S. Jafari, and T. Noiri, *Characterizations of closed sets in product spaces*, **International Mediteranean Congress of Mathematics**, Almeria 2005, June 6-10, 2005.
- [20]. D. N. Georgiou and S. D. Iliadis, *A characterization of splitting topologies*, **2005 Summer Conference on Topology and its Applications**, USA, July 10-13, 2005.
- [21]. D. N. Georgiou and S. D. Iliadis, *Topologies on function spaces and posets*, **Computational Topology Workshop**, USA, July 14, 2005.
- [22]. D. N. Georgiou and S. D. Iliadis, *On \mathbf{A} -splitting and \mathbf{A} -admissible topologies on function spaces*, **II Workshop on coverings, Selections and Games in Topology**, December 19-22, 2005.
- [23]. D. N. Georgiou and S. D. Iliadis, *Games on classes of spaces*, **II Workshop on coverings, Selections and Games in Topology**, December 19-22, 2005.
- [24]. D. N. Georgiou and S. D. Iliadis, *Games on classes of spaces II*, **2006 International Conference on Topology and its Applications**, June 23-26, Aegion, Greece.
- [25]. D. N. Georgiou, S. D. Iliadis, and A. Megaritis, *Dimension-like functions and universality*, **2006 International Conference on Topology and its Applications**, June 23-26, Aegion, Greece.

- [26]. D. N. Georgiou and T. Karakasidis, *A study of a physical problem using fuzzy linear regression models and metric spaces*, **2006 International Conference on Topology and its Applications**, June 23-26, Aegion, Greece.
- [27]. D. N. Georgiou and S. D. Iliadis, *Examples of non locally compact spaces Y for which the compact open and greatest splitting topologies coincide on $C(Y, S)$* , **XII Meeting on Real Analysis and Measure Theory CARTEMI**, July 3-7, 2006 Ischia, Italy.
- [28]. D. N. Georgiou and S. D. Iliadis, *On the greatest splitting topology on function spaces*, **The Oxford Conference on Topology and Computer Science in Honour of Peter Collins and Mike Reed**, August 7-10, 2006 Oxford, United Kingdom.
- [29]. D. N. Georgiou, S. D. Iliadis, and A. Megaritis, *On some dimension-like functions*, **10th Prague Topological Symposium**, August 13-19, 2006 Prague, Czech Republic.
- [30]. D. N. Georgiou and S. D. Iliadis, *The greatest splitting topology and semiregularity*, **III Workshop on Coverings, Selections and Games in Topology**, April 25-29, 2007 Faculty of Sciences and Mathematics, Nis; Technical Faculty, Cacak, Serbia.
- [31]. D. N. Georgiou, S. D. Iliadis, and A. Megaritis, *On positional dimension-like functions*, **22nd Summer Conference on Topology and Its Applications**, July 24-27, 2007 Castellon, Spain.
- [32]. D. N. Georgiou, S. D. Iliadis, and A. Megaritis, *The universality property for some dimension-like functions*, **22nd Summer Conference on Topology and Its Applications**, July 24-27, 2007 Castellon, Spain.
- [33]. D. N. Georgiou, S. D. Iliadis, and K.L. Kozlov, *A note on transfinite inductive dimension of a space by a normal base*, **Analysis, Topology and Applications 2008 (ATA2008)**, May 30 - June 4, 2008 Vrnjacka Banja, Serbia.
- [34]. D. N. Georgiou, S. D. Iliadis, and A. Megaritis, *Dimension-like functions of the type \dim and universality*, **VII Iberoamerican Conference on Topology and its Applications**, June 25-28, 2008 Valencia, Spain.
- [35]. D. N. Georgiou, S. D. Iliadis, and K.L. Kozlov, *Covering dimension invariant defined by normal bases*, **International Conference on Topology and its Applications** July 6-11, 2009, Ankara, Turkey.
- [36]. D. N. Georgiou, S. D. Iliadis, and A. Megaritis, *Positional dimension-like functions of the type Ind* , **International Conference on Topology and its Applications**, July 6-11, 2009, Ankara, Turkey.
- [37]. D. N. Georgiou, S. D. Iliadis, and A. Megaritis, *$C(\tau)$ -cosmic spaces*, **2009 Summer Conference on Topology and Its Applications** July 14-17, 2009, Brno, Czech Republic.
- [38]. D. N. Georgiou, S. D. Iliadis, and A. Megaritis, *On some positional dimension-like functions*, **2009 Summer Conference on Topology and Its Applications**, July 14-17, 2009, Brno, Czech Republic.
- [39]. D. N. Georgiou, S. D. Iliadis, and K.L. Kozlov, *On some dimension invariants of spaces*, **2010 International Conference on Topology and its Applications**, June 26-30, 2010, Nafpaktos, Czech Greece.

- [40]. D. N. Georgiou, I. Kougias, and A. Megaritis, *Borel structures for the set of Borel mappings*, **2010 International Conference on Topology and its Applications**, June 26-30, 2010, Nafpaktos, Czech Greece.
- [41]. D. N. Georgiou, S.D. Iliadis and A. Megaritis, *On dimension-like functions dm and Dm* , **VII Italian-Spanish Conference on General Topology and its Applications**, September 7-10, 2010, Badajoz, Spain.
- [42]. D. N. Georgiou and A. Megaritis, *On a new relative invariant covering dimension*, **VII Italian-Spanish Conference on General Topology and its Applications**, September 7-10, 2010, Badajoz, Spain.
- [43]. D. N. Georgiou and A. Megaritis, *Covering dimension and finite spaces*, **10th Panhellenic Geometry Conference**, Patras, May 27-30, 2011.
- [44]. D. N. Georgiou, S. D. Iliadis, and K.L. Kozlov, *The covering dimension invariants*, **Dubrovnik VII - Geometric Topology**, June 26 - July 3, 2011, Croatia.
- [45]. D. N. Georgiou, S. D. Iliadis, and A. Megaritis, *Base dimension-like functions of the type Ind* , **1th Prague Topological Symposium 2011**, August 7-13, 2011 Prague, Czech Republic.
- [46]. D. N. Georgiou, S. D. Iliadis, and A. Megaritis, *Base dimension-like functions of the type Ind* , **1th Prague Topological Symposium 2011**, August 7-13, 2011 Prague, Czech Republic.
- [47]. D. N. Georgiou, A.C. Megaritis, and V.I Petropoulos, *Function measurable spaces*, **2012 International Conference of the Honam Mathematical Society**, June 15-17, 2012 Jeju city, South Korea.
- [48]. D. N. Georgiou, S. D. Iliadis, and A. Megaritis, *Base positional dimension-like functions of the type ind* , **IVth Workshop on Coverings, Selections, and Games in Topology**, June 25-30, 2012, Department of Mathematics, Seconda Università di Napoli Caserta, Italy.
- [49]. D. N. Georgiou, S. D. Iliadis, and A.C. Megaritis, *Dimension-like functions of the type Ind defined by bases*, **IVth Workshop on Coverings, Selections, and Games in Topology**, June 25-30, 2012, Department of Mathematics, Seconda Università di Napoli Caserta, Italy.
- [50]. D. N. Georgiou and A.C. Megaritis, *The quasi Scott (Lawson) topology and quasi continuous (algebraic) complete lattices*, **Analysis, Topology and Applications 2014**, Vrnjacka Banja, Serbia, May 26-29, 2014.
- [51]. D. N. Georgiou and A.C. Megaritis, *The quasi Isbell topology on function spaces*, **Analysis, Topology and Applications 2014**, Vrnjacka Banja, Serbia, May 26-29, 2014.
- [52]. D.N. Georgiou and A.C. Megaritis, *A new covering dimension function for topological spaces*, **2014 International Conference on Topology and its Applications**, July 3-7, 2014, Nafpaktos, Greece.
- [53]. D.N. Georgiou, I. Kougias and A.C. Megaritis, *The universality property for the class of basically extremally disconnected spaces, basically G_δ -spaces, and some other new classes*

of spaces, **2014 International Conference on Topology and its Applications**, July 3-7, 2014, Nafpaktos, Greece.

[54]. Dimitris N. Georgiou, Athanasios C. Megaritis and Seithuti P. Moshokoa, *Finite Spaces: A reduction algorithm for the computation of the small inductive dimension*, **2014 International Conference on Topology and its Applications**, July 3-7, 2014, Nafpaktos, Greece.

[55]. Dimitris Georgiou, Athanasios Megaritis, Kyriakos Papadopoulos and Vasilios Petropoulos, *A study concerning splitting and jointly continuous topologies on $C(Y, Z)$* , **2014 International Conference on Topology and its Applications**, July 3-7, 2014, Nafpaktos, Greece.

[56]. D. N. Georgiou and A.C. Megaritis, *A topological dimension like-function of the type dim* , **Dubrovnik VIII-Geometric Topology, Geometric Group Theory and Dynamical Systems**, June 22-26, 2015, Dubrovnik, Croatia.

[57]. D. N. Georgiou and A.C. Megaritis, *A class of topological spaces between the classes of regular and Urysohn spaces*, **Dubrovnik VIII-Geometric Topology, Geometric Group Theory and Dynamical Systems**, June 22-26, 2015, Dubrovnik, Croatia.

[58]. D. N. Georgiou and A.C. Megaritis, *On quasi Isbell topology*, **Alexandroff Readings, Moscow**, May 22-26, 2016, Russia.

[59]. T. Dube, D. N. Georgiou, A. Megaritis, and F. Sereti, *Studying the Krull dimension of finite lattices under the prism of matrices*, **ATA 2016**, July 06-09, 2016, Cacak, Serbia.

[60]. D. N. Georgiou, I. Iliadis, A. Megaritis, and I. Prinos, *On I-convergences classes*, **Twelfth Symposium on General Topology and its Relations to Modern Analysis and Algebra**, July 25-29, 2016, Prague.

[61]. D. Georgiou, S. Iliadis, A. Megaritis and F. Sereti, *Small inductive dimension and universality on frames*, **2018 International Conference on Topology and its Applications**, July 7-11, 2018, Nafpaktos, Greece.

[62]. D. Georgiou, I. Kougias, A. Megaritis, G. Prinos and F. Sereti, *A study of a new dimension for frames*, **2018 International Conference on Topology and its Applications**, July 7-11, 2018, Nafpaktos, Greece.

[63]. D. Georgiou, A. Megaritis, I. Naidoo, G. Prinos and F. Sereti, *On ideal- o_2 -convergence and ideal- lim -inf-convergence on posets*, **2018 International Conference on Topology and its Applications**, July 7-11, 2018, Nafpaktos, Greece.

[64]. D. Georgiou, A. Megaritis, G. Prinos and F. Sereti, *A study of the small inductive dimension in the area of frames and finite lattices*, **34th Summer Conference on Topology and its Applications (SUMTOPO 2019)**, July 1-4, 2019, Johannesburg, Gauteng, South Africa.

[65]. D. Georgiou, Megaritis A. C., Prinos G. A. and Sereti F., *On statistical convergences of sequences of closed sets in metric spaces*, **MODERN PROBLEMS OF GEOMETRY AND TOPOLOGY AND THEIR APPLICATIONS**, November 21-23, National University of Uzbekistan, Tashkent, Uzbekistan, 2019.

- [66]. T. Dube, D. Georgiou, A. Megaritis, I. Naidoo, and F. Sereti, *Covering dimension and universality property on frames*, **Catania Set Theory and Topology Conference**, February 18–21, University of Catania, Italy, 2020.
- [67]. D. Georgiou, Y. Hattori, A. Megaritis, F. Sereti, *Zero-Dimensional Extensions of Topologies*, **2023 International Conference on Topology and its Applications**, July 3-7, 2023, Nafpaktos, Greece.
- [68]. D. Georgiou, A. Megaritis, F. Sereti, *An extension of covering dimension for continuous mappings*, **2023 International Conference on Topology and its Applications**, July 3-7, 2023, Nafpaktos, Greece.
- [69]. D. Georgiou, I. Kougias, A. Megaritis, F. Sereti, *The notion of convergence on τ -metric spaces*, **2023 International Conference on Topology and its Applications**, July 3-7, 2023, Nafpaktos, Greece.
- [70]. D. Georgiou, G. Prinos, *On the notion of convergence of a function along an ideal*, **2023 International Conference on Topology and its Applications**, July 3-7, 2023, Nafpaktos, Greece.
- [71]. D. Georgiou, A. Megaritis, F. Sereti, *Studying the existence of universal elements in classes of semi-open mappings*, **Analysis, Topology and Applications (ATA)**, Vrnjacka Banja, Serbia, 29.06.2024-03.07.2024.
- [72]. D. Georgiou, Y. Hattori, A. Megaritis, F. Sereti, *A study of a new dimension for finite lattices*, **38th Summer Conference on Topology and its Applications (SUMTOPO)**, 8-12 July, 2024.
- [73]. D. Georgiou, Y. Hattori, A. Megaritis, F. Sereti, *An Introduction to Dimension Theory of Topological spaces - Zero-Dimensional Extensions of Topologies*, **XIV International Conference of the Georgian Mathematical Union**, Batumi, 2-7 September, 2024.
- [74]. D. Georgiou, Y. Hattori, A. Megaritis, F. Sereti, *A study on dimensions of continuous mappings*, **38th International Summer Conference on Real Function Theory**, Stará Lesná, Slovakia, 15-20 September, 2024.
- [75]. D. Georgiou, Y. Hattori, A. Megaritis, F. Sereti, *The existence of universal elements in new classes of mappings*, **Algebra, Topology and Dynamical Systems**, Udine (Italy), 28-30 July, 2025.
- [76]. D. Georgiou, Y. Hattori, A. Megaritis, F. Sereti, *Universal mappings for some classes of continuous mappings*, **Topology, Analysis and Applications (TAA)**, Ohrid (North Macedonia), 4-7 September, 2025.

I.12 CITATIONS

There are more than 1000 Citations on my papers.

I.13 PARTICIPATION IN INTERNATIONAL CONFERENCES

- [1]. **Janos Bolyai Mathematical Society, Colloquim on Topology**, August 7-11, 1989, Pećs, Hungary.

- [2]. **V Convegno Internazionale di Topologia in Italia**, September 17-21, 1990, Lecce-Otranto, Italia.
- [3]. **International Conference on Topology**, September 24-29, 1990, Varna, Bulgaria.
- [4]. **Short Conference on Uniform Mathematics**, August 14-16, 1991, Bern, Switzerland.
- [5]. **Seventh Prague Topological Symposium**, August 19-23, 1991, Prague, Czechoslovakia.
- [6]. **Janos Bolyai Mathematical society, Colloquim on Topology**, August 23-27, 1993, Szekszard, Hungary.
- [7]. **Tenth Summer Conference on General Topology and its Applications**, August 15-18, 1994, Amsterdam, The Netherlands.
- [8]. **Janos Bolyai Mathematical Society, Colloquim on Topology**, August 9-15, 1998, Gyula, Hungary.
- [9]. **The first Turkish International Conference on Topology and its Applications**, August 2-5, 2000, Instabul, Turkey.
- [10]. **International Conference on Topology and its Applications**, September 2-9, 2000, Skopia.
- [11]. **IV Iberoamerican Conference on Topology and its Applications**, April 18-21, 2001, Coimbra, Portugal.
- [12]. **International Conference "Function spaces, proximities and quasi-uniformities**, September 14-18, 2001, Caserta, Italy.
- [13]. **Workshop on Coverings, Selections, and Games in Topology**, June 27-29, 2002 Lecce, Italy.
- [14]. **V Iberoamerican Conference on General Topology and its Applications**, June 10-14, 2003 Lorca, Murcia, Spain.
- [15]. **Colloquium on Topology dedicated to the 60th Birthday of Istvan Juhasz**, August 8-13, 2003 Budapest, Hungary.
- [16]. **V Italian-Spanish Conference on General Topology and its Applications**, June 21-23, 2004 Almeria, Spain.
- [17]. **Eleventh Meeting on Real Analysis and Measure Theory** 11-17 July, 2004 Ischia, Italy.
- [18]. **International Conference on Topology and its Applications** September 1-4, 2004 Skopje.
- [19]. **International Mediteranean Congress of Mathematics Almeria 2005**, June 6-10, 2005.
- [20]. **2005 Summer Conference on Topology and its Applications**, USA, July 10-13, 2005.

- [21]. **Computational Topology Workshop**, USA, July 14, 2005.
- [22]. **II Workshop on coverings, Selections and Games in Topology**, December 19-22, 2005.
- [23]. **2006 International Conference on Topology and its Applications**, June 23-26, Aegion, Greece.
- [24]. **XII Meeting on Real Analysis and Measure Theory CARTEMI**, July 3-7, 2006 Ischia, Italy.
- [25]. **The Oxford Conference on Topology and Computer Science in Honour of Peter Collins and Mike Reed**, August 7-10, 2006 Oxford, United Kingdom.
- [26]. **10th Prague Topological Symposium**, August 13-19, 2006 Prague, Czech Republic.
- [27]. **III Workshop on Coverings, Selections and Games in Topology**, April 25-29, 2007 Faculty of Sciences and Mathematics, Nis; Technical Faculty, Cacak, Serbia.
- [28]. **22nd Summer Conference on Topology and Its Applications**, July 24-27, 2007 Castellon, Spain.
- [29]. **Analysis, Topology and Applications 2008 (ATA2008)**, May 30 - June 4, 2008 Vrnjacka Banja, Serbia.
- [30]. **VII Iberoamerican Conference on Topology and its Applications**, June 25-28, 2008 Valencia, Spain.
- [31]. **International Conference on Topology and its Applications** July 6-11, 2009, Ankara, Turkey.
- [32]. **2009 Summer Conference on Topology and Its Applications** July 14-17, 2009, Brno, Czech Republic.
- [33]. **2010 International Conference on Topology and its Applications**, June 26-30, Nafpaktos, 2010, Greece.
- [34]. **VII Italian-Spanish Conference on General Topology and its Applications**, September 7-10, 2010, Badajoz, Spain.
- [35]. **Dubrovnik VII - Geometric Topology**, June 26 - July 3, 2011, Croatia.
- [36]. **1th Prague Topological Symposium 2011**, August 7-13, 2011 Prague, Czech Republic.
- [37]. **2012 International Conference of the Honam Mathematical Society**, June 15-17, 2012 Jeju city, South Korea.
- [38]. **IVth Workshop on Coverings, Selections, and Games in Topology**, June 25-30, 2012, Department of Mathematics, Seconda Università di Napoli Caserta, Italy.
- [39]. **Analysis, Topology and Applications 2014**, Vrnjacka Banja, Serbia, May 26-29, 2014.
- [40]. **2014 International Conference on Topology and its Applications**, July 3-7, Nafpaktos, Greece.

- [41]. **Dubrovnik VIII-Geometric Topology, Geometric Group Theory and Dynamical Systems**, June 22-26, 2015, Dubrovnik, Croatia.
- [42]. **Alexandroff Readings**, Moscow, May 22-26, 2016, Russia.
- [43]. **ATA 2016**, July 06-09, 2016, Cacak, Serbia.
- [44]. **Twelfth Symposium on General Topology and its Relations to Modern Analysis and Algebra**, July 25-29, 2016, Prague.
- [45]. **2018 International Conference on Topology and its Applications**, July 7-11, Nafpaktos, Greece.
- [46]. **34th Summer Conference on Topology and its Applications (SUMTOPO 2019)**, July 1-4, 2019, Johannesburg, Gauteng, South Africa.
- [47]. **MODERN PROBLEMS OF GEOMETRY AND TOPOLOGY AND THEIR APPLICATIONS**, November 21-23, National University of Uzbekistan, Tashkent, Uzbekistan, 2019.
- [48]. **Catania Set Theory and Topology Conference**, February 18–21, University of Catania, Italy, 2020.
- [49]. **2023 International Conference on Topology and its Applications**, 03-07 July 2023, Nafpaktos, Greece.
- [50]. **Analysis, Topology and Applications (ATA)**, Vrnjacka Banja, Serbia, 29.06.2024-03.07.2024.
- [51]. **38th Summer Conference on Topology and its Applications (SUMTOPO)**, 8-12 July, 2024.
- [52]. **XIV International Conference of the Georgian Mathematical Union**, Batumi, 2-7 September, 2024.
- [53]. **38th International Summer Conference on Real Function Theory**, Stará Lesná, Slovakia, 15-20 September, 2024.
- [54]. **Algebra, Topology and Dynamical Systems**, Udine (Italy), 28-30 July, 2025.
- [55]. **Topology, Analysis and Applications (TAA)**, Ohrid (North Macedonia), 4-7 September, 2025.

I.14 REFEREE

I am reviewer of **Mathematical Reviews (MR)** (American Mathematical Society).

I am reviewer of **Zentralblatt MATH**.

I am referee of the following Journals:

- Fuzzy Sets And Systems.
- 6th International Conference on Protection and Restoration of the Environment, Skiathos 2002.
- Applied General Topology.
- The Journal of Aigyptian Mathematical Society.

- Turkish Journal of Mathematics.
- Publications de l’Institut Mathematique.
- Divulgaciones Matematicas.
- International Journal of Mathematics and the Mathematical Sciences.
- Arabian Journal for Science and Engineering (AJSE).
- Bulletin of the Malaysian Mathematical Sciences Society.
- Bulletin of the Greek Mathematical Society.
- IEEE Transactions on Fuzzy Systems.
- Nonlinear Analysis.
- Soochow Journal of Mathematics.
- Kochi Journal of Mathematics.
- Note di Matematica.
- Topology and its Applications.
- Demonstratio Mathematica.
- Sarajevo Journal of Mathematics (formerly ”Radovi Matematicki”).
- Matematicki Vesnik.
- Acta Mathematica Universitatis Comenianae.
- Indian Journal of Pure and Applied Mathematics.
- Filomat.
- Applied Mathematics Letters.
- An. Univ. Oradea Fasc. Mat..
- Iranian Journal of Fuzzy Systems.
- The Southeast Asian Bulletin of Mathematics.
- Analele St. Univ.Ovidius Constantza.
- Dynamic Systems and Applications.
- Journal of Advanced Research in Pure Mathematics.
- Discrete and Continuous Dynamical Systems, Series B.
- Discussiones Mathematicae, General Algebra and Applications.
- Mathematical and Computer Modelling.
- Boletim da Sociedade Paranaense de Matema’tica.
- Journal of Advanced Studies in Topology (JAST).
- Questions and Answers in General Topology.
- Far East Journal of Mathematical Sciences (FJMS).
- Novi Sad Journal of Mathematics.
- J. Adv. Math. Stud.
- Information Sciences.
- Annals of Fuzzy Mathematics and Informatics.

- Computational and Applied Mathematics.
- Neural Computing and Applications journal.
- Monatshefte für Mathematik.
- Mathematics.

I.15 EDITOR

I am Editor of the following journals:

- A) Journal of the Egyptian Mathematical Society.
- B) Mathematical Sciences & Applications E-Notes (MSAEN).
- C) Applied General Topology.
- D) Far East Journal of Mathematical Sciences (FJMS).
- E) Journal of Advanced Studies in Topology (JAST).
- F) Facta Universitatis'ASeries Mathematics and Informatics, Nis, Serbia

I.16 BOOKS PUBLICATION

1. D. N. Georgiou and Ch. Zagouras, “General Mathematics I” (in Greek).
2. D. N. Georgiou , “Descriptive Geometry” (in Greek).
3. D. N. Georgiou and I. Kougias, “Mathematics for Economics” (in Greek).
4. D. N. Georgiou and S.D. Iliadis, “General Topology” (in Greek).
5. D. N. Georgiou and S.D. Iliadis, “Analytic Geometry” (in Greek).
6. D. N. Georgiou and S.D. Iliadis, “Set Theory” (in Greek).
7. D. N. Georgiou, S.D. Iliadis, and A. Megaritis, “Real Analysis” (in Greek).
8. D. N. Georgiou and Ch. Zagouras, “General Mathematics II” (in Greek).
9. D. N. Georgiou, I. Kougias, and A. Megaritis, “Linear Algebra” (in Greek).
10. D. N. Georgiou and Ch. Zagouras, “General Mathematics” (in Greek).
11. D. N. Georgiou, T. Karakasidis and A. Megaritis, “Differential and Integral Calculus of Functions of several Variables” (in Greek).
12. D. N. Georgiou, F. Sereti, “Introduction to Algebra and Set Theory” (in Greek).