Curriculum Vitae

1) PERSONAL DETAILS

Name: Athanasios
Surname: Megaritis
Date of birth: 12 November 1983
Position: Assistant professor
Affiliation: Department of Mathematics, School of Natural Sciences, University of Patras, Greece
E-mail: acmegaritis@upatras.gr

2) EDUCATION

- **Degree** in Mathematics, University of Patras, Greece (2005)

- **Master Degree** in Pure Mathematics, University of Patras, Greece (2007)

- **Doctoral Degree** in Mathematics, University of Patras, Greece (2011)

3) ACADEMIC HONOURS AND AWARDS

Scholarship for Excellence in Academic Performance, Department of Mathematics, University of Patras, National Scholarship Foundation, Greece (2001 through 2003).

4) RESEARCH INTERESTS

General Topology, Universal Spaces, Dimension Theory, Function Spaces, Mathematical Analysis (Convergences of sequences and nets), Topology and Discrete Mathematics, Partially Ordered Sets, Lattices and Frames.

5) RESEARCH EXPERIENCE

I was a member of the following national research program on Mathematics: C. Carathéodory, Dimension theory and universal spaces (2008-2011).

6) TEACHING EXPERIENCE

6.1) University of Patras: Department of Mathematics, Greece (Exercise seminars for Undergraduate students)

Analytic Geometry, Real Analysis, Set Theory, and Topology (2006-2010)

6.2) Technological Educational Institute of Patras: Department of Accounting, Department of Renovation and Restoration of Buildings, Greece

General Mathematics, Analytic Geometry (2007-2009)

6.3) Technological Educational Institute of Messolonghi: Department of Accounting, Department of Applied Informatics in Management and Finance, Department of Telecommunication Systems and Networks, Department of Automation, Greece

General Mathematics, Linear Algebra, Real Analysis, Discrete mathematics, Probability and Statistics, and Financial Mathematics (2009-2013)

6.4) Technological Educational Institute of Western Greece: Department of Optics & Optometry, Department of Accounting and Finance, Department of Business Administration, Greece

General Mathematics, Probability and Statistics, and Financial Mathematics (2013-2017)

6.5) University of Peloponnese: Department of Digital Systems, Greece

Mathematics, Linear Algebra, Mathematical Analysis, Probability and Statistics, and Numerical Analysis (2017-2019)

6.6) School of Pedagogical & Technological Education (ASPETE): Department of Civil Engineering Educators, Department of Mechanical Engineering Educators, Greece

Calculus (2018-2019)

6.7) University of Thessaly: Department of Physics, Greece

Calculus, Linear Algebra, Analytic Geometry, Probability Theory (2018-2023)

6.8) Hellenic Open University (HOU): School of Science and Technology, Studies in Natural Sciences, Greece

General Mathematics (2017-2020)

7) SUPERVISION OF THESIS FOR UNDERGRADUATE STUDENTS

Completed (35): Technological Educational Institute of Messolonghi, Technological Educational Institute of Western Greece, University of Peloponnese

8) PUBLICATIONS

8.1) Research Publications

[1] D. N. Georgiou, S. D. Iliadis, **A. C. Megaritis**, *Dimension-like functions and universality*, Topology and its Applications (Elsevier) 155 (2008), no. 17-18, 2196–2201. https://doi.org/10.1016/j.topol.2007.05.024

[2] D. N. Georgiou, S. D. Iliadis, **A. C. Megaritis**, *On some new dimension-like functions*, Topology Proceedings 31 (2007), no. 1, 125–136.

[3] D. N. Georgiou, S. D. Iliadis, **A. C. Megaritis**, *On positional dimension-like functions*, Topology Proceedings 33 (2009), 285–296.

[4] D. N. Georgiou, S. D. Iliadis, **A. C. Megaritis**, *The universality property for some dimension-like functions*, Questions and Answers in General Topology (founded by Jun-iti Nagata) 27 (2009), no. 2, 141–156.

[5] D. N. Georgiou, S. D. Iliadis, **A. C. Megaritis**, *Dimension-like functions of the type dim and universality*, Topology and its Applications (Elsevier) 156 (2009), no. 18, 3077–3085. https://doi.org/10.1016/j.topol.2009.03.046

[6] D. N. Georgiou, S. D. Iliadis, **A. C. Megaritis**, *Positional dimension-like functions of the type Ind*, Topology and its Applications (Elsevier) 158 (2011), no. 15, 2056–2065. https://doi.org/10.1016/j.topol.2011.06.045

[7] D. N. Georgiou, S. D. Iliadis, **A. C. Megaritis**, *On some positional dimension-like functions*, Topology Proceedings 36 (2010), 337–352.

[8] D. N. Georgiou, S. D. Iliadis, **A. C. Megaritis**, $C(\tau)$-*cosmic spaces*, Topology Proceedings 38 (2011), 149–164.

[9] D. N. Georgiou, **A. C. Megaritis**, *On the relative dimensions* dim* *and* dim *I*, Questions and Answers in General Topology (founded by Jun-iti Nagata) 29 (2011), no. 1, 1–16.

[10] D. N. Georgiou, **A. C. Megaritis**, *On the relative dimensions* dim* *and* dim *II*, Questions and Answers in General Topology (founded by Jun-iti Nagata) 29 (2011), no. 1, 17–29.

[11] D. N. Georgiou, **A. C. Megaritis**, *On a new relative invariant covering dimension*, Extracta Mathematicae 25 (2010), no. 3, 263–275.

[12] D. N. Georgiou, **A. C. Megaritis**, *Covering dimension and finite spaces*, Applied Mathematics and Computation (Elsevier) 218 (2011), no. 7, 3122–3130.
https://doi.org/10.1016/j.amc.2011.08.040

[13] Dimitris Georgiou, Ioannis Kougias, **Athanasios Megaritis**, *Borel structures on the set of Borel mappings*, Topology and its Applications (Elsevier) 159 (2012), no. 7, 1906–1915.
https://doi.org/10.1016/j.topol.2011.09.044

[14] D. N. Georgiou, S. D. Iliadis, **A. C. Megaritis**, *Universal elements for some classes of spaces*, Applied General Topology 12 (2011), no. 2, 193–211.
https://doi.org/10.4995/agt.2011.1652

[15] **A. C. Megaritis**, *Relative dimension* r-dim *and finite spaces*, Applied General Topology 13 (2012), no. 1, 91–102.
https://doi.org/10.4995/agt.2012.1641

[16] D. N. Georgiou, **A. C. Megaritis**, *Soft Set Theory and Topology*, Applied General Topology 15 (2014), no. 1, 93–109.
https://doi.org/10.4995/agt.2014.2268

[17] D. N. Georgiou, S. D. Iliadis, **A. C. Megaritis**, *Base dimension-like functions of the type ind*, Topology and its Applications (Elsevier) 159 (2012), no. 14, 3204–3214.
https://doi.org/10.1016/j.topol.2012.06.010

[18] D. N. Georgiou, **A. C. Megaritis**, *A note on dimension-like functions of the type Ind defined by big bases*, Filomat 27 (2013), no. 6, 1113–1120.
https://doi.org/10.2298/FIL1306113G

[19] Dimitrios N. Georgiou, **Athanasios C. Megaritis**, *Remarks and questions on base positional dimension-like functions of the type ind*, Mathematical Sciences And Applications E-Notes 1 (2013), no. 1, 9–17.

[20] D. N. Georgiou, **A. C. Megaritis**, V. I. Petropoulos, *On soft topological spaces*, Applied Mathematics & Information Sciences 7 (2013), no. 5, 1889–1901.
http://dx.doi.org/10.12785/amis/070527

[21] D. N. Georgiou, Sang-Eon Han, **A. C. Megaritis**, *Dimensions of the type dim and Alexandroff spaces*, Journal of the Egyptian Mathematical Society (Elsevier) 21 (2013), no. 3, 311–317.
https://doi.org/10.1016/j.joems.2013.02.015

[22] D. N. Georgiou, **A. C. Megaritis**, V. I. Petropoulos, *Function measurable spaces*, Topology Proceedings 43 (2014), 159–181.

[23] D. N. Georgiou, S. D. Iliadis, **A. C. Megaritis**, *On base dimension-like functions of the type Ind*, Topology and its Applications (Elsevier) 160 (2013), no. 18, 2482–2494.
https://doi.org/10.1016/j.topol.2013.07.042

[24] Dimitris Georgiou, **Athanasios Megaritis**, Kyriakos Papadopoulos, *Admissible topologies on $C(Y, Z)$ and $\mathcal{O}_Z(Y)$*, Questions and Answers in General Topology (founded by Jun-iti Nagata) 32 (2014), no. 1, 17–33.

[25] D. N. Georgiou, **A. C. Megaritis**, *An algorithm of polynomial order for computing the covering dimension of a finite space*, Applied Mathematics and Computation (Elsevier) 231

(2014), 276–283.
https://doi.org/10.1016/j.amc.2013.12.185

[26] Dimitris N. Georgiou, **Athanasios C. Megaritis**, Seithuti P. Moshokoa, *Small inductive dimension and Alexandroff topological spaces*, Topology and its Applications (Elsevier) 168 (2014), 103–119.
https://doi.org/10.1016/j.topol.2014.02.014

[27] D. N. Georgiou, T. E. Karakasidis, **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 7 (2013), 41–48.
http://dx.doi.org/10.2174/1875036201307010041

[28] Dimitris N. Georgiou, **Athanasios C. Megaritis**, 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.
https://doi.org/10.1007/s40314-014-0125-z

[29] Themba Dube, Dimitris N. Georgiou, **Athanasios C. Megaritis**, Seithuti P. Moshokoa, *A study of covering dimension for the class of finite lattices*, Discrete Mathematics (Elsevier) 338 (2015), no. 7, 1096–1110.
https://doi.org/10.1016/j.disc.2015.01.026

[30] D. N. Georgiou, **A. C. Megaritis**, *The quasi Scott (Lawson) topology and q-continuous (q-algebraic) complete lattices*, Filomat 29 (2015), no. 1, 193–207.
https://doi.org/10.2298/FIL1501193G

[31] D. N. Georgiou, **A. C. Megaritis**, V. I. Petropoulos, *Topologies on the set of Borel maps of class α*, Filomat 29 (2015), no. 1, 143–154.
https://doi.org/10.2298/FIL1501143G

[32] D. N. Georgiou, **A. C. Megaritis**, *The quasi Isbell topology on function spaces*, Colloquium Mathematicum (Institute of Mathematics, Polish Academy of Sciences) 141 (2015), no. 1, 13–24.
http://dx.doi.org/10.4064/cm141-1-2

[33] Dimitris Georgiou, **Athanasios Megaritis**, Kyriakos Papadopoulos, Vasilios Petropoulos, *A study concerning splitting and jointly continuous topologies on $C(Y, Z)$*, Quaestiones Mathematicae (Journal of the South African Mathematical Society) 39 (2016), no. 3, 363–379.
https://doi.org/10.2989/16073606.2015.1072855

[34] 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.
https://doi.org/10.1016/j.topol.2015.12.039

[35] D. N. Georgiou, T. E. Karakasidis, **A. C. Megaritis**, Juan J. Nieto, A. Torres, *An extension of fuzzy topological approach for comparison of genetic sequences*, Journal of Intelligent & Fuzzy Systems 29 (2015), no. 5, 2259–2269.
https://doi.org/10.3233/IFS-151701

[36] D. N. Georgiou, **A. C. Megaritis**, S. P. Moshokoa, *Finite Spaces: A reduction algorithm for the computation of the small inductive dimension*, Computational and Applied Mathematics (Springer) 36 (2017), no. 1, 791–803.
https://doi.org/10.1007/s40314-015-0261-0

[37] D. N. Georgiou, **A. C. Megaritis**, F. Sereti, *A study of the order dimension of a poset using matrices*, Quaestiones Mathematicae (Journal of the South African Mathematical Society) 39 (2016), no. 6, 797–814.
https://doi.org/10.2989/16073606.2016.1161670

[38] Dimitrios N. Georgiou, **Athanasios C. Megaritis**, *A class of topological spaces between the classes of regular and Urysohn spaces*, Mathematica Slovaca (Mathematical Institute of the

Slovak Academy of Science) 67 (2017), no. 5, 1251–1262.
https://doi.org/10.1515/ms-2017-0046

[39] D. N. Georgiou, **A. C. Megaritis**, F. Sereti, *A topological dimension greater than or equal to the classical covering dimension*, Houston Journal of Mathematics 43 (2017), no. 1, 283–298.

[40] D. N. Georgiou, **A. C. Megaritis**, *Cardinal invariants and universality*, Topology and its Applications (Elsevier) 220 (2017), 152–163.
https://doi.org/10.1016/j.topol.2017.02.009

[41] **A. C. Megaritis**, *Ideal convergence of nets of functions with values in uniform spaces*, Filomat 31 (2017), no. 20, 6281–6292.
https://doi.org/10.2298/FIL1720281M

[42] D. N. Georgiou, S. D. Iliadis, **A. C. Megaritis**, G. A. Prinos, *Ideal-convergence classes*, Topology and its Applications (Elsevier) 222 (2017), 217–226.
https://doi.org/10.1016/j.topol.2017.02.045

[43] **A. C. Megaritis**, *On the dimensional kernel of a topological space*, Questions and Answers in General Topology (founded by Jun-iti Nagata) 35 (2017), no. 2, 77–88.

[44] D. N. Georgiou, **A. C. Megaritis**, F. Sereti, *A study of the quasi covering dimension for finite spaces through the matrix theory*, Hacettepe Journal of Mathematics and Statistics (Dedicated to the memory of Lawrence Michael Brown) 46 (2017), no. 1, 111–125.

[45] T. Dube, D. N. Georgiou, **A. C. Megaritis**, F. Sereti, *Studying the Krull dimension of finite lattices under the prism of matrices*, Filomat 31 (2017), no. 10, 2901–2915.
https://doi.org/10.2298/FIL1710901D

[46] D. N. Georgiou, **A. C. Megaritis**, G. A. Prinos, *A study on convergence and ideal convergence classes*, Topology and its Applications (Elsevier) 241 (2018), 38–49.
https://doi.org/10.1016/j.topol.2018.03.029

[47] Dimitrios N. Georgiou, **Athanasios C. Megaritis**, Selma Özçağ, *Statistical convergence of sequences of functions with values in semi-uniform spaces*, Commentationes Mathematicae Universitatis Carolinae (founded by E. Čech) 59 (2018), no. 1, 103–117.
http://dx.doi.org/10.14712/1213-7243.2015.231

[48] 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.
https://doi.org/10.1016/j.amc.2018.03.041

[49] **A. C. Megaritis**, *τ-metrizable spaces*, Applied General Topology 19 (2018), no. 2, 253–260.
https://doi.org/10.4995/agt.2018.9009

[50] D. N. Georgiou, **A. C. Megaritis**, I. Naidoo, G. A. Prinos, F. Sereti, *Convergence of nets in posets via an ideal*, Scientiae Mathematicae Japonicae 83 (2020), no. 1, 23–38.
https://doi.org/10.32219/isms.83.1_23

[51] D. N. Georgiou, **A. C. Megaritis**, F. Sereti, *A study of the quasi covering dimension of Alexandroff countable spaces using matrices*, Filomat 32 (2018), no. 18, 6327–6337.
https://doi.org/10.2298/FIL1818327G

[52] D. Georgiou, I. Kougias, **A. Megaritis**, G. Prinos, F. Sereti, *A study of a new dimension for frames*, Topology and its Applications (Elsevier) 275 (2020), 106995, 13 pp.
https://doi.org/10.1016/j.topol.2019.106995

[53] 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, 14 pp.
https://doi.org/10.1016/j.topol.2019.106994

[54] Dimitrios N. Georgiou, Stavros D. Iliadis, **Athanasios C. Megaritis**, Fotini Sereti, *Small inductive dimension and universality on frames*, Algebra universalis (Springer) 80 (2019), no. 2, Paper No. 21, 16 pp.
https://doi.org/10.1007/s00012-019-0593-5

[55] D. Boyadzhiev, D. Georgiou, **A. Megaritis**, F. Sereti, *A study of the quasi covering dimension of finite lattices*, Computational and Applied Mathematics (Springer) 38 (2019), no. 3, Paper No. 109, 18 pp.
https://doi.org/10.1007/s40314-019-0885-6

[56] 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 (Springer) 37 (2020), no. 3, 427–444.
https://doi.org/10.1007/s11083-019-09513-3

[57] D. N. Georgiou, **A. C. Megaritis**, F. Sereti, *Base dimension-like function of the type Dind and universality*, Topology and its Applications (Elsevier) 281 (2020), 107201, 11 pp.
https://doi.org/10.1016/j.topol.2020.107201

[58] Dimitris N. Georgiou, **Athanasios C. Megaritis**, Inderasan Naidoo, Fotini Sereti, *A study of universal elements in classes of bases of topological spaces*, Commentationes Mathematicae Universitatis Carolinae (founded by E. Čech) 62 (2021), no. 4, 491–506.
http://dx.doi.org/10.14712/1213-7243.2021.027

[59] Dimitrios Georgiou, **Athanasios Megaritis**, Georgios Prinos, Fotini 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.
https://doi.org/10.1515/ms-2017-0477

[60] 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.
https://doi.org/10.3390/math8111958

[61] **A. C. Megaritis**, *Covering dimension and ideal topological spaces*, Quaestiones Mathematicae (Journal of the South African Mathematical Society) 45 (2022), no. 2, 197–212.
https://doi.org/10.2989/16073606.2020.1851309

[62] T. Dube, D. Georgiou, **A. 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.
https://doi.org/10.1007/s11083-021-09561-8

[63] Dimitrios N. Georgiou, Yasunao Hattori, **Athanasios C. Megaritis**, Fotini 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.
https://doi.org/10.1515/ms-2022-0056

[64] D. N. Georgiou, **A. C. Megaritis**, G. A. Prinos, *New characterizations of fuzzy topology*, Matematički Vesnik (Mathematical Society of Serbia) 75 (2023), no. 2, 118–133.
https://doi.org/10.57016/MV-wMpb1355

[65] D. Georgiou, Y. Hattori, **A. Megaritis**, F. Sereti, *Universal elements in classes of bases of frames*, Topology and its Applications (Elsevier) 329 (2023), Paper No. 108367, 21 pp.
https://doi.org/10.1016/j.topol.2022.108367

[66] D. Georgiou, **A. Megaritis**, G. Prinos, F. Sereti, *A study of the small inductive dimension in the area of finite lattices*, Order: A Journal on the Theory of Ordered Sets and its Applications (Springer) (2023).
https://doi.org/10.1007/s11083-023-09638-6

[67] D. Georgiou, Y. Hattori, **A. Megaritis**, F. Sereti, *Dimension Theory and Alexandroff topological spaces*, accepted for publication in Questions and Answers in General Topology (founded by Jun-iti Nagata) (2022).

8.2) Abstracts

(1) D. N. Georgiou, S. D. Iliadis, and <u>A. C. Megaritis</u>, *Dimension-like functions and universality*, **2006 International Conference on Topology and its Applications**, June 23-26, Aegion, Greece.

(2) <u>D. N. Georgiou</u>, S. D. Iliadis, and A. C. Megaritis, *On some new dimension-like functions*, **10th Prague Topological Symposium**, August 13-19, 2006, Prague, Czech Republic.

(3) D. N. Georgiou, S. D. Iliadis, and <u>A. C. Megaritis</u>, *The universality property for some dimension-like functions*, **22nd Summer Conference on Topology and Its Applications**, July 24-27, 2007, Castellón, Spain.

(4) <u>D. N. Georgiou</u>, S. D. Iliadis, and A. C. Megaritis, *On positional dimension-like functions*, **22nd Summer Conference on Topology and Its Applications**, July 24-27, 2007, Castellón, Spain.

(5) <u>D. N. Georgiou</u>, S. D. Iliadis, and A. C. Megaritis, *Dimension-like functions of the type dim and universality*, **VII Iberoamerican Conference on Topology and its Applications**, June 25-28, 2008, Valencia, Spain.

(6) D. N. Georgiou, S. D. Iliadis, and <u>A. C. Megaritis</u>, *Positional dimension-like functions of the type Ind*, **International Conference on Topology and its Applications**, July 6-11, 2009, Ankara, Turkey.

(7) <u>D. N. Georgiou</u>, S. D. Iliadis, and A. C. Megaritis, $C(\tau)$-*cosmic spaces*, **2009 Summer Conference on Topology and Its Applications**, July 14-17, 2009, Brno, Czech Republic.

(8) D. N. Georgiou, S. D. Iliadis, and <u>A. C. Megaritis</u>, *On some positional dimension-like functions*, **2009 Summer Conference on Topology and Its Applications**, July 14-17, 2009, Brno, Czech Republic.

(9) Dimitris Georgiou, Ioannis Kougias, and <u>Athanasios Megaritis</u>, *Borel structures for the set of Borel mappings*, **2010 International Conference on Topology and its Applications**, June 26-30, 2010, Nafpaktos, Greece.

(10) <u>D. N. Georgiou</u> and A. C. Megaritis, *On a new relative invariant covering dimension*, **Seventh Italian-Spanish Conference on General Topology and its Applications**, September 7-10, 2010, Badajoz, Spain.

(11) D. N. Georgiou, S. D. Iliadis, and <u>A. C. Megaritis</u>, *On dimension-like functions $dm_{\mathbb{E}}^{\mathbb{K},\mathbb{B}}$ and $Dm_{\mathbb{E}}^{\mathbb{K},\mathbb{B}}$*, **Seventh Italian-Spanish Conference on General Topology and its Applications**, September 7-10, 2010, Badajoz, Spain.

(12) D. N. Georgiou, S. D. Iliadis, and <u>A. C. Megaritis</u>, *Base dimension-like functions of the type ind*, **11th Topological Symposium**, August 7-12, 2011, Prague, Czech Republic.

(13) <u>D. N. Georgiou</u>, S. D. Iliadis, and A. C. Megaritis, *Base dimension-like functions of the type Ind*, **11th Topological Symposium**, August 7-12, 2011, Prague, Czech Republic.

(14) <u>D. N. Georgiou</u>, 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.

(15) D. N. Georgiou, S. D. Iliadis, and <u>A. C. Megaritis</u>, *Dimension-like functions of the type Ind defined by bases*, **IVth Workshop on Coverings, Selections, and Games in Topology**, June 25-30, 2012, Caserta, Italy.

(16) <u>D. N. Georgiou</u>, S. D. Iliadis, and A. C. Megaritis, *Base positional dimension-like functions of the type ind*, **IVth Workshop on Coverings, Selections, and Games in Topology**, June 25-30, 2012, Caserta, Italy.

(17) D. N. Georgiou and <u>A. C. Megaritis</u>, *The quasi Scott (quasi Lawson) topology and q-continuous (q-algebraic) complete lattices*, **Analysis, Topology and Applications 2014 (ATA2014)**, Vrnjačka Banja, Serbia, May 26-29, 2014.

(18) <u>D. N. Georgiou</u> and A. C. Megaritis, *The quasi Isbell topology on function spaces*, **Analysis, Topology and Applications 2014 (ATA2014)**, Vrnjačka Banja, Serbia, May 26-29, 2014.

(19) D. N. Georgiou, I. Kougias, and <u>A. C. Megaritis</u>, *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.

(20) <u>D. N. Georgiou</u> 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.

(21) D. N. Georgiou, A. C. Megaritis, and <u>S. P. Moshokoa</u>, *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.

(22) Dimitris Georgiou, Athanasios Megaritis, Kyriakos Papadopoulos, and <u>Vasilios Petropoulos</u>, *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.

(23) D. N. Georgiou and <u>A. C. Megaritis</u>, *A class of topological spaces between the classes of regular and Urysohn spaces*, **Dubrovnik VIII - Geometric Topology, Geometric Group Theory** & **Dynamical Systems**, Inter-University Centre Dubrovnik, Croatia, June 22-26, 2015.

(24) <u>D. N. Georgiou</u> and A. C. Megaritis, *A topological dimension like-function of the type dim*, **Dubrovnik VIII - Geometric Topology, Geometric Group Theory & Dynamical Systems**, Inter-University Centre Dubrovnik, Croatia, June 22-26, 2015.

(25) <u>D. N. Georgiou</u> and A. C. Megaritis, *On quasi Isbell topology*, **Alexandroff Readings, International Topological Conference**, Moscow (Russia), May 22-26, 2016.

(26) T. Dube, <u>D. N. Georgiou</u>, A. C. Megaritis and F. Sereti, *Studying the Krull dimension of finite lattices under the prism of matrices*, **ATA2016 − Analysis, Topology, Algebra: Theory and Applications**, July 06-09, 2016, Čačak, Serbia.

(27) <u>D. N. Georgiou</u>, S. D. Iliadis, A. C. Megaritis and G. A. Prinos, *$\mathcal{I}$-convergence classes*, **Twelfth Symposium on General Topology and its Relations to Modern Analysis and Algebra**, July 25-29, 2016, Prague.

(28) A. C. Megaritis, *Ideal convergence of nets of functions with values in uniform spaces*, **Twelfth Symposium on General Topology and its Relations to Modern Analysis and Algebra**, July 25-29, 2016, Prague.

(29) D. Georgiou, S. Iliadis, <u>A. Megaritis</u> and F. Sereti, *Small inductive dimension and universality on frames*, **2018 International Conference on Topology and its Applications**, July 7-11, 2018, Nafpaktos, Greece.

(30) D. Georgiou, I. Kougias, A. Megaritis, G. Prinos and <u>F. Sereti</u>, *A study of a new dimension for frames*, **2018 International Conference on Topology and its Applications**, July 7-11, 2018, Nafpaktos, Greece.

(31) D. Georgiou, A. Megaritis, I. Naidoo, <u>G. Prinos</u> 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.

(32) <u>D. Georgiou</u>, 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.

(33) <u>D. N. Georgiou</u>, A. C. Megaritis, G. A. Prinos and F. Sereti, *On statistical convergences of sequences of closed sets in metric spaces*, **International conference "Modern problems of geometry and topology and its applications"**, November 21-23, 2019, National University of Uzbekistan, Tashkent, Uzbekistan.

(34) A. C. Megaritis, *Covering Dimension and Ideal Topological Spaces*, **Catania Set Theory and Topology Conference 2020 (CS2T 2020)**, February 18-21, 2020, University of Catania, Italy.

(35) T. Dube, <u>D. Georgiou</u>, A. Megaritis, I. Naidoo, F. Sereti, *Covering Dimension and Universality Property on Frames*, **Catania Set Theory and Topology Conference 2020 (CS2T 2020)**, February 18-21, 2020, University of Catania, Italy.

(36) D. Georgiou, <u>Y. Hattori</u>, A. Megaritis, and F. Sereti, *Zero-Dimensional Extensions of Topologies*, **2023 International Conference on Topology and its Applications**, July 3-7, 2023, Nafpaktos, Greece.

(37) D. Georgiou, I. Kougias, A. Megaritis, and <u>F. Sereti</u>, *The notion of convergence on τ-metric spaces*, **2023 International Conference on Topology and its Applications**, July 3-7, 2023, Nafpaktos, Greece.

(38) D. N. Georgiou, <u>A. C. Megaritis</u>, and F. Sereti, *An extension of covering dimension for continuous mappings*, **2023 International Conference on Topology and its Applications**, July 3-7, 2023, Nafpaktos, Greece.

9) CITATIONS

More than 350 citations (source: Google Scholar, Scopus).

10) PARTICIPATION IN INTERNATIONAL CONFERENCES

10.1) *2006 International Conference on Topology and its Applications*, June 23-26, Aegion, Greece.

10.2) *22nd Summer Conference on Topology and Its Applications*, July 24-27, 2007, Castellón, Spain.

10.3) *International Conference on Topology and its Applications*, July 6-11, 2009, Ankara, Turkey.

10.4) *2009 Summer Conference on Topology and Its Applications*, July 14-17, 2009, Brno, Czech Republic.

10.5) *2010 International Conference on Topology and its Applications*, June 26-30, 2010, Nafpaktos, Greece.

10.6) *Seventh Italian-Spanish Conference on General Topology and its Applications*, September 7-10, 2010, Badajoz, Spain.

10.7) *11th Topological Symposium (TOPOSYM 2011)*, August 7-12, 2011, Prague, Czech Republic.

10.8) *IVth Workshop on Coverings, Selections, and Games in Topology*, June 25-30, 2012, Caserta, Italy.

10.9) *Analysis, Topology and Applications 2014 (ATA2014)*, Vrnjačka Banja, Serbia, May 26-29, 2014.

10.10) *2014 International Conference on Topology and its Applications*, July 3-7, 2014, Nafpaktos, Greece.

10.11) *Dubrovnik VIII - Geometric Topology, Geometric Group Theory & Dynamical Systems*, Inter-University Centre Dubrovnik, Croatia, June 22-26, 2015.

10.12) *Twelfth Symposium on General Topology and its Relations to Modern Analysis and Algebra*, July 25-29, 2016, Prague.

10.13) *2018 International Conference on Topology and its Applications*, July 7-11, 2018, Nafpaktos, Greece.

10.14) *Catania Set Theory and Topology Conference 2020 (CS2T 2020)*, February 18-21, 2020, University of Catania, Italy.

10.15) *2023 International Conference on Topology and its Applications*, July 3-7, 2023, Nafpaktos, Greece.

11) EDITORIAL AND REVIEW ACTIVITIES

11.1) Peer Review Activities

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

11.1.2) I am reviewer for **zbMATH Open** (the oldest and most comprehensive reviewing service in mathematics).

11.1.3) I have acted as referee for the following journals:

(1) Advances in Topology and their interdisciplinary applications, Book chapter, Springer.

(2) American Institute of Physics (AIP) Conference Proceedings – Third International Conference of Mathematical Sciences.

(3) Annals of Fuzzy Mathematics and Informatics (AFMI).

(4) Applied General Topology.

(5) Discrete Mathematics.

(6) Facta Universitatis, Series: Mathematics and Informatics.

(7) Filomat.

(8) Hacettepe Journal of Mathematics and Statistics.

(9) Journal of the Egyptian Mathematical Society.

(10) Kragujevac Journal of Mathematics.

(11) Mathematica Slovaca.

(12) Mathematics (MDPI).

(13) Questions and Answers in General Topology.

(14) Topology and its Applications.

(15) Turkish Journal Of Mathematics.

11.2) Editorial Board Membership

11.2.1) Selected papers of the 2014 International Conference on Topology and its Applications (2015), ISBN: 978-618-80609-1-3.

11.2.2) Selected papers of the 2018 International Conference on Topology and its Applications (2020).

11.2.3) Topology and its Applications (Elsevier), Volume 275 (2020) – Guest editor.

12) ORGANIZATION OF CONFERENCES

12.1) *2014 International Conference on Topology and its Applications*, July 3-7, 2014, Nafpaktos, Greece
Conference proceedings: Topology and its Applications (Elsevier), Volume 201 (2016) pages 1–462.

12.2) *2018 International Conference on Topology and its Applications*, July 7-11, 2018, Nafpaktos, Greece
Conference proceedings: Topology and its Applications (Elsevier), Volume 275 (2020).

12.3) *2023 International Conference on Topology and its Applications*, July 3-7, 2023, Nafpaktos, Greece.

13) BOOKS

- D. N. Georgiou, S. D. Iliadis, and A. C. Megaritis, Real Analysis (in Greek).

- D. N. Georgiou, I. Kougias, and A. C. Megaritis, Linear Algebra (in Greek).

- D. N. Georgiou, T. Karakasidis, and A. C. Megaritis, Differential and Integral Calculus of functions of several variables (in Greek).