

**BASIL PAPADOPOULOS**

**PROFESSOR**

Director of Inter-university Post-Graduate Program  
« Applied mathematics »

**DEMOCRITUS UNIVERSITY OF THRACE**

**DEPARTMENT OF CIVIL ENGINEERING**

**SECTION OF MATHEMATICS**

**CURRICULUM VITAE**

**EDUCATION - ACADEMIC ACTIVITIES - SCIENTIFIC PUBLICATIONS**

**Xanthi, Greece**

**2014**

## 1. PERSONAL INFORMATION

**Full Name:** Basil K. Papadopoulos

**Date of birth:** 9/9/1955

**Affiliation:** University Professor

**Address:** Section of Mathematics, Department of Civil Engineering, Democritus University of Thrace, Vas. Sofias 12, 67100 Xanthi, Greece (tel.: +30.25410.79790, +30.25410.79747).

**E-mail:** [papadob@civil.duth.gr](mailto:papadob@civil.duth.gr)

**Web page:** <http://utopia.duth.gr/~papadob/>

## 2. BRIEF CURRICULUM VITAE

1973: I graduated from the 3<sup>rd</sup> High School of Thessaloniki (June).

I succeeded at the entrance exams of the Mathematics Department of the Aristotle University of Thessaloniki (scholarship) (October).

1977: I gained my BSc degree in Mathematics with an overall grade of "Very Good" (June).

I joined the army where I served as an officer of Meteorology Artillery Surveyor (September).

1980: I was dismissed from the army with the rank of Lieutenant Reserve (January).

I followed a project assignment of the former Second Chair of Higher Mathematics, Faculty of Engineering, Democritus University of Thrace (since February).

I was appointed Research Associate at the above office (June).

1981: I succeeded (after exam in the modules: Analysis, Probability, Algebra and Geometry) the scholarship of the S.S.F (State Scholarships Foundation - I.K.Y) for Postgraduate Studies in Greece (the only out of 8 candidates who succeeded) November. Topic of my PhD thesis was, "*Study of the Topology of spaces of functions Isbell.*"

1985: I supported successfully with honors my PhD Thesis (March) and I was announced a Doctor of Philosophy (April).

1986: I was elected to a position of Lecturer with tenure, at the Department of Mathematics, Programming and General Courses, Department of Civil Engineering, Democritus University of Thrace (June).

1990: Following a tendering position, I was elected to the rank of Associate Professor with tenure (February).

1994: I was tenured at the rank of Assistant Professor (June).

1995: Following a tendering position, I was elected to the rank of Associate Professor in "General Topology with an emphasis on functional topological spaces" (February).

1998: I was elected to the rank of Professor (May).

### 3. TOPICS OF SCIENTIFIC INTEREST

- i. General Topology
  - Functional topological spaces
  - Uniform structures
  - Fuzzy topological spaces
  - Topology via logic
- ii. Categorical Models of Mathematics and Computational Structures
- iii. Fuzzy logic with applications in Engineering
- iv. Expert Systems Theory

### 4. TEACHING ACTIVITIES

#### 4.1. Undergraduate courses

**A. Department of Civil Engineering D.U.TH.:** From 1985 until today I taught independently or in co-teaching the following courses:

- **Advanced Calculus I** (1<sup>st</sup> Semester, 5 hours per week).  
1985-1997: (co-teaching with Professor L. Kogketsof).  
1998: independent teaching.
- **Mathematics for Engineers I**, from 1999 until 2006 (co-teaching with Associate Professor Kesoglides).
- **Mathematics for Engineers I**, 2006-2007, independent teaching.
- **Advanced Calculus II**, (2<sup>nd</sup> Semester, 5 hours per week).  
1985-1986: (co-teaching with Professor L. Kogketsof).  
From 2011 to date, independent teaching
- **Probability and Statistics**, (4<sup>th</sup> Semester, 5 hours per week).  
From 1986 to date, independent teaching.
- **Transportation Statistics**, (7<sup>th</sup> Semester, 3 hours per week) co-teaching with Prof. V. Stefanis and from 2008 co-teaching with Lecturer G. Botzoris.
- **Further Applications of Fuzzy Logic applied on Civil Engineering**, (5<sup>th</sup> Semester, 3 hours per week), independent teaching
- **Mathematical Analysis**, (4 hours per week). From 2007 to date, independent teaching.
- **Linear Algebra** (4 hours per week). From 2007 to date, independent teaching.
- From 1980 until 1985 I taught students applications at the modules of **Advanced Calculus I**, and **Advanced Calculus II**.

**B. Department of Environmental Engineering of D.U.TH**

- **Probability and Statistics**, (3<sup>rd</sup> Semester, 5 hours per week). 1997-2001, independent teaching.
- **Introduction to Fuzzy Logic**, (6<sup>th</sup> Semester, 3 hours per week). From 1999 to date, independent teaching.

**C. Department of Primary Education of D.U.TH**

- **Advanced Calculus I** (3<sup>rd</sup> Semester, 4 hours per week). 1988-1992, independent teaching.
- **Probability and Statistics**, (4<sup>th</sup> Semester, 3 hours per week). 1988-1992, independent teaching.

#### **D. Department of Architecture of D.U.Th.**

- **Advanced Calculus I** (1<sup>st</sup> Semester, 4 hours per week). 1999-2008, independent teaching.
- **Advanced Calculus II** (2<sup>nd</sup> Semester, 4 hours per week). 1999-2008, independent teaching.
- **Probability and Statistics**, (3<sup>rd</sup> Semester, 3 hours per week). 1999-2008, independent teaching.
- **Mathematics** (2 hours per week). 2011 to date, independent teaching.

### **4.2. Post-graduate courses**

**A. Hellenic Open University** ([www.eap.gr](http://www.eap.gr)). Since 2006, teaching the following modules at the Department of Graduate Studies in Mathematics:

- **Basic Theories and Methods in Mathematics** (2006-07).
- **Mathematics Standards in Science** (2007-08).
- **Basic Theories and Methods in Mathematics** (2008-09).
- **Mathematics Standards in Science** (2008-09).
- **Basic Theories and Methods in Mathematics** (2009-10).
- **Basic Theories and Methods in Mathematics** (2010-11).
- **Mathematics Standards in Science** (2010-11).

I was nominated, from the students of the Hellenic Open University, the “**Vasilis Xanthopoulos- Stefanos Pneumatikos Award of Excellent University Teaching**” in 2009-2010 period.

**B. Inter-university Post-Graduate Program «Systems Engineering and Management (S.E.M.)», Departments of Civil Engineering and Electrical Engineering & Computer Engineering of the D.U.Th in collaboration with the Department of Business Management & Administration of the University of Macedonia.** (<http://sem.eng.duth.gr/english/index.html>). Since 2003, teaching of the following modules:

- **System Modeling and Analysis** (co-teaching with professor A.Protopapas), since 2003 to date.
- **Data Management for Environmental Systems** (co-teaching with professor A.Protopapas), since 2003 to date.
- **Quality Management in Systems** (co-teaching with Dr. L. Tsironis), since 2005 to date.

**C. Postgraduate Program of D.U.Th entitled «New Materials and Technologies in the Design of Reinforced Concrete Works».** Since 1998 to date teaching of the module:

- **Applied Mathematics (Partial Differential Equations - Statistics) for Engineers.**

**D. Postgraduate Program of D.U.Th entitled «Fluid Mechanics».** Since 2000 to date teaching of the module:

- **Hybrid Models in Fluid Mechanics.**

**E. Doctoral Syllabus.** From 1998 till 2007 teaching of the modules:

- **Functional Analysis.**
- **Fractional Geometry.**
- **Fuzzy Logic.**

**F. Postgraduate Program «Innovation in Technology & Entrepreneurship», Eastern Macedonia & Thrace Institute of Technology ( EMaTh.Tech) by the Department of Electrical Engineering.** Since 2014 to date teaching of the module:

:

- **Artificial intelligence, co-teaching**

**G. Inter-university Post-Graduate Program « Applied mathematics », Departments of Civil Engineering in collaboration with the Department of Electrical Engineering & Computer Engineering and Environmental engineering of the Democritus University of Thrace.** I am Program Director .Since 2015 to date co-teaching of the modules:

- **Applied Functional Analysis**
- **Fuzzy logic and applications**
- **Special Topics in Differential Equations and Difference Equations**
- **Special Topics in Linear Algebra**

#### 4.3. Other teaching activities

**A. Regional Training Centers.** Teaching of courses:

- ◆ **Elements of General Topology: 1989-1992.**
- ◆ **Data Measure Theory: 1989-1992.**
- ◆ **Probability and Statistics: 1989-1992.**
- ◆ **Teaching of Mathematical Analysis: 1993-1996 and since 2003 to date.**

**B. Post-secondary Preparatory Center of Xanthi.** Teaching of courses:

- ◆ **Algebra for candidates of Polytechnic School: 1982-1989.**
- ◆ **Analysis for candidates of Polytechnic School: 1982-1989.**
- ◆ **Analytic Geometry for candidates of Polytechnic School: 1982-1989.**

## 5. BOOKS AND PERSONAL LECTURE NOTES

### -----BOOKS

- «**Fuzzy Logic with Applications in Engineering**» (627 pages.), by C.Tzimopoulos and B.Papadopoulos, ZHTH, 2013 (ISBN 978-9604563852). [http://store.ziti.gr/4d\\$view?id=201476-086CBF81&seq=1557](http://store.ziti.gr/4d$view?id=201476-086CBF81&seq=1557)  
  
-Book presentation at Aristotle University , 16 januar 2014 (the following videos are speeches in the Greek language):  
<https://www.youtube.com/watch?v=gVuH-4JqHw>  
[https://www.youtube.com/watch?v=fwvIGBiA\\_9k](https://www.youtube.com/watch?v=fwvIGBiA_9k)  
<https://www.youtube.com/watch?v=kg8lGoybs5U>  
<https://www.youtube.com/watch?v=ptFVrEAOO1g>
- «**Fuzzy Performance Measures of MMS Queueing Systems using Fuzzy Estimators**», A. Gkougkouli, D. Sfiris, G. Botzoris, and B. Papadopoulos, In C. Zopounidis (Editor): **Computational Optimization in Economics and Finance Research Compendium** (pp. 151-164), Nova Science Pub., New York, 2012 (ISBN: 978-1620819289).
- A Chapter of book "Computation, Cryptography, and Network Security",pp 51-74, Theme "**Producing Fuzzy Inclusion and Entropy Measures**", Athanasios C. Bogiatzis, Basil K. Papadopoulos, Springer 2015, (ISBN 978-3-319-18275-9)
- A Chapter of "Scientific Methods for the Treatment of Uncertainty in Social Sciences", Volume 377 of the series Advances in Intelligent Systems and Computing pp 219-230, Theme "**Clustering Variables Based on Fuzzy Equivalence Relations**", Kingsley S. Adjenughwure , George N. Botzoris, Basil K. Papadopoulos, Springer 2015, (ISBN 978-3-319-19704-3)
- « **Probability and Statistics for Engineers** » (784 pages.), Basil K. Papadopoulos, Nikos Mylonas, "TZIOLA", 2016 (ISBN 978-960-418-561-0)
- « **Fuzzy sets** » (432 pages.), Basil K. Papadopoulos, George N. Botzoris, "SOFIA", 2015 (ISBN 978-960-6706-86-8)

### ----- LECTURE NOTES

- «**Introduction to Fuzzy Logic**» (200 p.), for the relevant module I teach in the Department of Civil Engineering of D.U.Th.
- «**Engineering Mathematics**» (200 p.), for the relevant module I teach in the Department of Civil Engineering of D.U.Th..
- Exercises and Solutions for the module of **Probability**, available from my website (<http://utopia.duth.gr/~papadob/>).

## 6. INTERNATIONAL DISTINCTIONS

I have been assigned by Democritus University of Thrace to supervise and prepare the university team for the annual participation in the **South-Eastern European Mathematical Olympiad for University Students** (SEEMOUS) of Polytechnic Departments, Departments of Mathematics and Computer Science Departments.

The last four years, we were awarded nine medals as stated beneath:

- 1) 2009, Bronze Medal, Seitanidis Ioannis, a freshman student in the Department of Electrical Engineering and Computer Science.
- 2) 2010, Bronze Medal, Kingsley Adjenughwure, freshman student in the Department of Civil Engineering.
- 3) 2011, Silver Medal, Kingsley Adjenughwure, sophomore student in the Department of Civil Engineering.
- 4) 2012 Bronze Medals for the following students:
  - Argyros Christos (freshman student of the Electrical Engineering and Computer Science Department),
  - Karampinis Ioannis (freshman student in the Department of Civil Engineering),
  - Lekkas Sotirios (freshman student in the Department of Civil Engineering),
  - Mpalalis Dimitrios (sophomore student in the Department of Civil Engineering),
  - Stathakopoulou Elpiniki (freshman student in the Department of Civil Engineering),
  - Sikara Stauroula (freshman student in the Department of Civil Engineering).
- 5) 2013. Silver Medal and 3 Bronze Medals for the following students:
  - Karampinis Ioannis (freshman student in the Department of Civil Engineering), Silver Medal,
  - Lekkas Sotirios (freshman student in the Department of Civil Engineering),, Bronze Medal,
  - Desiniotis Dimitrios (freshman student of the Electrical Engineering and Computer Science Department), Bronze Medal,
  - Tsironis Alexander, (freshman student of the Electrical Engineering and Computer Science Department), Bronze Medal.
- 5) 2014. One medal
- vii. 2015. 3 Bronze Medals for the following students:
  - Eudokia Mitsiou(freshman student in the Department of Civil Engineering)
  - Spyros Karamolegos(freshman student in the Department of Production Engineering & Management)

- Brozos Nikolaos (freshman student of the Electrical Engineering and Computer Science Department)

## **7. DOCTORAL THESIS - MASTER OF SCIENCE THESIS**

### **7.1. Doctoral Thesis supervision**

Under my supervision have been completed and submitted the following Ph.D. Thesis:

- 1) «**APPLICATIONS IN CHU SPACES**» by Syropoulos Apostolos, 2002.
- 2) «**FUZZY ENTAILMENTS AND APPLICATIONS**» by .Hadjimichailides Anestis, 2007
- 3) «**MATHEMATICAL MODELING ISSUES IN MANAGEMENT AND TECHNICAL METHODS OF ECONOMICS IN FUZZY LOGIC**» by Chrysafis Constantinos, 2010.
- 4) «**FUZZY LOGIC APPLICATIONS IN DEVELOPMENT OF EXPERT SYSTEMS**» by Sfiris Dimitrios, 2011.

They have also been completed and submitted with my substantial contribution the doctoral dissertations of:

- 1) Nikolaou Ilias (2011), Department of Civil Engineering, Democritus University of Thrace (see published papers)
- 2) Marina Syrpi (1998) at the University of Macedonia, Department of Applied Informatics. (see published papers)
- 3) George Bozoris, Department of Civil Engineering, Democritus University of Thrace (2001). (see published papers)

Furthermore, I have under my direct supervision five (5) Ph.D. students from which, one will carry his thesis in 2012.

I was and am in about twenty (20) three-member committees, which completed their doctorates and at about 25 five-seven member examining committees of other doctoral theses.

### **7.2. Master of Sciences Thesis supervision**

I also oversee twenty (20) Master Thesis, including eight in the *Hellenic Open University*.

## **8. SCIENTIFIC PARTNERSHIP WITH FOREIGN UNIVERSITIES**

- i. University: **Polytechnic University of Bucharest**  
Topic: **International Conference Trends and Challenges in Applied Mathematics**  
Research Project: **Fuzzy Estimators**  
Period: June 2007

I was officially invited by the **Polytechnic University of Bucharest** in 2007, to the Congress "*International Conference Trends and Challenges in Applied Mathematics*



(ICTCAM 2007)”, June 20-23, where I presented my research work (hourly lecture) on ‘**Fuzzy Estimators**’ (Basil K. Papadopoulos and Dimitris S. Sfiris, Construction of fuzzy estimators International Conference Trends and Challenges in Applied Mathematics (ICTCAM 2007), June 20-23, Bucharest, Romania, pp. 76-81.

- ii. Location: **Vienna**  
Topic: **Meeting of COST-Action 15 on Many-Valued Logics for Computer Science Applications**  
Research Project: **Generalizing topology via Chu spaces**  
Period: November 1998

I was officially invited and attended the «*Working Group 1&2, Meeting of COST-Action 15 on Many-Valued Logics for Computer Science Applications*», held in Vienna (27-28 November 1998), where I presented my work on «Generalizing topology via Chu spaces».

- iii. Foreign Institute: **Stelkov Mathematical Institute of the Soviet Academy of Sciences**  
Topic: **Cooperation with the Stelkov Mathematical Institute**  
Period: 1992-today

Since 1992 I have a permanent cooperation with “**Stelkov Mathematical Institute of the Soviet Academy of Sciences**”. Especially I cooperate with the Director of the Institute, Scientist I. Ivanov (passed away in 2011).

During the period November 1992 - December 1992 I was invited, by the **Steklov Mathematical Institute of the Soviet Academy of Sciences**, to give a series of lectures and to collaborate with scientists from the Academy in Moscow and St. Petersburg (the Institute reiterated the invitation for the period 1994-1995). During my staying, I contacted the Academic Alexander Samarskii (Director of the Institute of Mathematical Modelling of the Soviet Academy of Sciences) in order to be informed concerning the latest developments in the field of Mathematics simulations (particularly in non-emulation natural-systems).

- iv. Foreign Institute: **Research Institute of University of Vern**  
Topic: **Collaboration with Professor H.P. Kunzi**  
Period: 1994-2005

From 1994 up until 2005 I was standing collaboration with Professor of the Research Institute of University of Vern, H.P. Kunzi (now professor at the University of Cape Town), (see at the list of references).

- v. Foreign University: **University of Napoli**  
Topic: **Collaboration with the Scientific Team of Fuzzy Mathematics Department** (Director: Professor Antonio Di Nola)  
Period: 1997-2003

From 1997 up until 2003 I was standing collaboration with the Scientific Team of Fuzzy Mathematics Department of the University of Napoli (Italy) and especially with the Director of the Team, Professor Antonio Di Nola.

Prof. Antonio Di Nola invited me to present a series of lectures during the period May 1999 - September 1999 in ‘Chu spaces’.

- vi. Foreign University: **New Mexico University**  
 Topic: **Collaboration with the Scientific Team of Fuzzy Mathematics Department**  
 (Professor Hung Nguyen)  
 Period: 1997-2003  
  
 From 1997 up until 2003 I was standing collaboration with the team of Fuzzy Mathematics Department of the University of New Mexico and especially with Professor Hung Nguyen.
- vii. Invited by the Professor Hung Nguyen (**Department of Mathematics, University of New Mexico**) to present a series of lectures during the period August 1999 - October 1999 in the «Chu spaces" in the area of Fuzzy Logic and collaborative research in these areas.
- viii. The Director Professor of the Research Institute of the **University of Bern** H. P. Künzi invited me to work and lecture on the 1<sup>st</sup> week of June 1999.
- ix. I was selected to visit Prague (Czechoslovakia), during a bilateral cultural exchanges program, where I collaborated with scientists with common scientific interests (17-29 August 1991).

## **9. SCIENTIFIC PARTNERSHIP WITH GREEK UNIVERSITIES**

### **9.1. Invitations for Lectures and Seminars**

- a) Invited by the Departments of Economics of the **University of Crete** and of the **University of Ioannina** and the Department of Surveying of the **Aristotle University (Section of Hydraulic)** to present lectures in the field of **Fuzzy Logic** (1999-2007)
- b) As part of the Seminar in **Theoretical Computer Mathematics**, Department AUTH (period 1995-1998), I gave a series of lectures (on a research and postgraduate level) in the field of **Fuzzy Logic**. Also I gave a series of lectures in **Categorical Models of Linear Logic (Chu spaces)** during the second semester of the academic year 1998-1999.
- c) During the period 1991-1995 I presented seminars, on the Topology Seminar "**Topology Functional Spaces**" organized by the Department of Mathematics of the **University of Patras**.
- d) During the period 1983-1986 I conducted a series of seminars in the Analysis field of the **Mathematical Section of AUTH** and presented results of my thesis and other.

### **9.2. Research Collaborations**

- a) From 1991 to date, I work closely with the Topology Professors of the Mathematics Department of University of Patras. During this time I conduct seminars on Functional Spaces, I know about the research of scientists there, and produced a research project, part of which has already been published (see published papers).
- b) From 1997 to date, I work closely with Professor of the Mathematics Department of the AUTH Mr. Simeon Bozapalidi on Theoretical Computer Science.

- c) From 1997 to date, I work closely with Professors of the Department of Computer Engineering, University of Patras and CTI Director Mr. Paul Spirakis on Theoretical Computer Science (PhD, Apostolos Syropoulos).
- d) After invitation from the President of the Department of Applied Informatics of the University of Macedonia, Mr. Konstantinos Tsouros (who attended the seminars I gave in the Mathematics Department of the AUTH in the area of Fuzzy Logic), I co-operated with Ph.D. candidate Ms. Marina Syrpi.

### 9.3. Participation in electoral boards

I personally participated in numerous Electoral Boards, as President, as a member of the tripartite committee and as elector for the election of faculty members at all levels, in Universities across Greece.

## 10. PARTICIPATION IN INTERNATIONAL CONFERENCES – WORKSHOPS

I have participated to the following international scientific conferences and workshops:

- **Topology and its Applications**, Dubrovnik Yugoslavia (1985), with paper.
- **3<sup>rd</sup> National Meeting on Topology**, Trieste Italy (1986), with paper.
- **6<sup>th</sup> Prague Topological Symposium on General Topology and its Relation to Modern Analysis and Algebra**, Prague Czechoslovakia (1986), with paper.
- **7<sup>th</sup> Prague Topological Symposium on General Topology and its Relation to Modern Analysis and Algebra**, Prague Czechoslovakia (1991).
- **Short Conference on Uniform Mathematics**, Bern Switzerland (1991), with paper.
- **Current Trends And Developments In Fuzzy Logic**, Thessaloniki, Greece (1998), with paper.
- **Working Group 1&2, Meeting of COST-Action 15 on Many-Valued Logics for Computer Science Applications**, Vienna (1998). I was officially invited and presented the work «Generalizing topology via Chu spaces».
- **International Conference "Trends and Challenges in Applied Mathematics"**, June 20-23, 2007, Bucharest, Romania. I was officially invited and presented (Plenary Lecture) the paper "Construction of Fuzzy Estimators" (collaboration with D. Sfiris).

I was on the **Scientific Committee** and **co-organizer** of the Workshop "New trends and developments in fuzzy logic" that took place in Thessaloniki on 15-21 October 1998 with the distinguished researchers in Theoretical Computer Science, Professor Simeon Bozapalidis (Mathematics Department of A.U.Th.) and Professor Paul Spirakis (Department of Computer Engineering, University of Patras). The Congress was attended by great researchers in the field of Fuzzy Logic.

## 11. PARTICIPATION IN GREEK CONFERENCES – WORKSHOPS

- I participated in all **Congresses of Mathematical Analysis** from 1990 in Thessaloniki, until the last in 2010 in Ioannina. In all these conferences I was in the Scientific

Committee and furthermore participated extensively throughout the abstracts in the Proceedings.

- I participated in several conferences of **Hellenic Mathematical Society** and, after invitation, I gave many lectures on issues related to my research interests.
- In the 15<sup>th</sup> Mathematics Education Conference (Chios, Greece, 13-15 November 1998), I was officially invited and I participated at the **Round Table** on "Curriculum of Mathematics and the needs of Higher Education". I also presented the paper entitled "A journey from classical to modern Logic" which has been published in the Proceedings of this Conference after judgment.

## 12. INTERNATIONAL RECOGNITION

### 12.1. Reviewer for Journals

I am reviewer for several journals, some of which are the following:

- Real analysis exchange, Indian journal of Mathematics ,
- Questions and Answers in General Topology ,
- Quaestiones Mathematicae,
- Fuzzy Sets and Systems,
- Information Sciences ,
- Applied Mathematics and Computation.
- Mathematical Analysis and its Applications, etc.

### 12.2. Member of Journals' Editorial Board

I am member of the Editorial Board of the scientific journal:

- **Journal of Mathematics** (<http://www.hindawi.com/journals/jmath/>)
- **Pure and Applied Mathematics Journal** (<http://www.sciencepublishinggroup.com/j/pami>)
- **American Journal of Theoretical and Applied Statistics** (<http://www.sciencepublishinggroup.com/j/ajtas>)
- **Research & Reviews: Discrete Mathematical Structures** (<http://computers.stmjournals.com/index.php?journal=RRDMS&page=about&op=editorialTeam>)
- **Journal of Advanced Research in Applied Mathematics and Statistics**
- **individual member «Asian Council of Science Editors »**
- (<http://theacse.com/>)
- **Journal of Statistics and Mathematical Engineering** <http://matjournals.in/index.php/JOSME>

- **SOP Transactions on Statistics and Analysis**  
<http://www.scipublish.com/journals/STSA/editorials>

I was **Editor** of the Journal “**Bulletin of the Greek Mathematical Society**”, the only one scientific journal in Greece (issued by the Greek Mathematical Society). This journal is included in « **Zentralblatt Fur Mathematik**» and in « **American Mathematical Reviews**»

### 12.3. Other recognitions

- ◆ For the promotion of academic and research Excellence, the Greek Excellence initiative (ARISTEIA), made a mini-documentary (9min) about the successful route of our students in mathematical olympiad (SEEMOUS) for the last 5 years.  
<http://excellence.minedu.gov.gr/listing/674-seemous>
- ◆ **Special Individual Member.** Because of my publications in the journal “*Mathematica Japonica*” issued by the Japanese Association of Mathematical Sciences, I joined in this category.
- ◆ **Paper «Answers to two questions of Papadopoulos».** This work was published in one of the most well known and recognized Journals in General Topology entitled «*Questions and Answers in General Topology*», Editor of which is a famous specialist in Topology, J. Nagata.

## 13. EXPERIENCE IN RESEARCH PROJECTS

### 13.1. Participation in research projects

- 1) Member of the Research Team of the project "**General Development Plan (Master Plan) of the Airport of Rhodes**", funded by the Greek Civil Aviation Authority (scientific coordinator Prof. V. Profillidis).
- 2) After relevant decision of the Department of Civil Engineering of DUTH, (June 1995) along with the Prof. Kotsovinos, we had coordinate successfully the Proposals (referring EPEAEK), submitted by the Department of Civil Engineering within the 2<sup>nd</sup> CSF (Community Support Framework).
- 3) Deputy scientific coordinator of the EPEAEK Project, "**Internship of Undergraduate Students of Civil Engineering**" (1997), (scientific coordinator Prof. P. Matsoukis).
- 4) Deputy scientific coordinator of the EPEAEK Project, "**Upgrading of Undergraduate Studies, Department of Civil Engineering**" (1997), (scientific coordinator Prof. P. Matsoukis).
- 5) Scientific coordinator of the Research project "**Study Fuzzy Spaces**", funded, after assessment, by the Research Committee of DUTH (PRENED 96), (1996-1998).
- 6) Scientific coordinator of the Research project "**Power set-Fuzzy Fuzzy Lattices and Applications**", funded, after assessment, by the Research Committee of DUTH (PRENED 98).

- 7) Member of the Research Team of the project "**Application of Fuzzy Mathematics in Road Safety**", funded, after assessment, by the Research Committee of DUTH (PRENED 98), (scientific coordinator Assoc. Prof. A. Kokkalis).
- 8) Principal author of the Proposal and, after its adoption, Scientific coordinator of the Research Project '**Upgrade of the Undergraduate Studies in the Department of Civil Engineering of DUTH.**' (EPEAEK II), (2003-2008).
- 9) Member of the Research Team of the project "**Numerical Solution of Differential Equation with Oscillating Solution-Fuzzy Multisets**" (PRENED 99), (scientific coordinator Prof. Th. Simos).
- 10) Member of the Research Team of the project "**Contribution to the Study of Certain Forms of Nonlinear Difference Equations and Application**" (PRENED 99), (scientific coordinator Prof. G. Papasxinopoulos).
- 11) Principal investigator representing DUTH, (cooperation of DUTH along with AUTH, NTUA, Union of Greek Physics, etc.) to the Scientific Program "**Equal**", concerning the education of graduates on exact-applied studies.
- 12) Scientific coordinator representing DUTH to the European Scientific Program, **math.ind. (A Balkan and Eastern European network of Excellence for the Diffusion of Mathematics for Industry Expertise)** (2002-2004).
- 13) Scientific coordinator and Head of the Research Team in three Projects of the General Secretariat for Research and Technology (GSRT) of the Ministry of Development: i. '**Modeling Systems Economics and Management and Systems Engineering with the help of Fuzzy Logic**' (2006), ii. '**Hybrid Systems (Fuzzy Logic and Statistics)**' (2007), iii. '**Fuzzy Logic- Expert Systems**' (2008). The results of the Projects were presented at the International Exhibition of Thessaloniki (2006-2008).

### 13.2. Appreciation of my Experience in Research Programs

- I was selected, after evaluation of my CV, by the Minister of Education as evaluator of proposals submitted from the Universities within the EPEAEK.
- I was appointed, after unanimous decision of the Senate, for the monitoring committee of all Scientific Programs EPEAEK of DUTH, (1997).

## 14. ADMINISTRATIVE ACTIVITIES

- For several years I was Deputy Head of Sector and Head of Sector of the Department of Planning and General Mathematics Courses.
- Deputy Chairman of the Department of Civil Engineering of D.U.Th (period 2000-2002)
- Elected as representative of the Department of Civil Engineering in the Senate during the academic year 1997-1998.
- President (2009-2011) and Vice-president (1997-1999) of the Association ESDEP of the Polytechnic School of Xanthi.

## 15. RESEARCH PAPERS PUBLISHED IN JOURNALS

### 15.1. Research Papers with only one author

1. ISBEL TOPOLOGY OF FUNCTIONS IN SPACES FUNCTIONS, Ph.D. Thesis (with scholarship from the State Scholarships Foundation, I was the only successful candidate between eight participants).
2. B. K. PAPADOPOULOS, BOUNDED-COVERING AND BOUNDED-TRACE MAPPINGS, RICERCHE DI MATEMATICA, VOL XXXV PP. 205-213 (1985).
3. B. K. PAPADOPOULOS, AN EXTENSION OF AN ASCOLI TYPE THEOREM, RADOVI MATEMATICKI VOL. 2 PP. 237-240 (1986).
4. B. K. PAPADOPOULOS, PROPER TOPOLOGIES ON THE SET, GLASNIK MATEMATICKI VOL. 23 (43) PP. 143-146 (1988).
5. B. K. PAPADOPOULOS, TOPOLOGIES ON THE SET OF CONTINUOUS MULTIFUNCTIONS, MATHEMATICA JAPONICA 33 NO 5 PP. 769-776 (1988).
6. B. K. PAPADOPOULOS, THE TOPOLOGY OF QUASI UNIFORM CONVERGENCE ON THE SET OF CONTINUOUS MAPS, III CONVEGNO NAZIONALE DI TOPOLOGIA, TRIESTE, SUPPLEMENT DI RENDICONTI DEL CIRCOLO MATEMATICO DI PALERMO PP. 381-390 (1988).
7. B. K. PAPADOPOULOS, THE EXPONENTIAL OBJECTS IN TOP (A CLASSICAL PROOF), COLLOQUIUM MATHEMATICUM VOL. LVI PP. 51-54 (1988).
8. B. K. PAPADOPOULOS, THE INDUCED H-STRUCTURE ON FUNCTION SPACES, QUAESTIONES MATHEMATICAE, 12 (4) PP. 361-374 (1989).
9. B. K. PAPADOPOULOS, THE UNIFORMITY OF UNIFORM CONVERGENCE AND THE COMPACT-OPEN TOPOLOGY ON THE SET OF MULTIFUNCTIONS, MATHEMATICA JAPONICA 34 NO 4 PP. 629-635 (1989).
10. B. K. PAPADOPOULOS, A TOPOLOGICAL LATTICE ON THE SET OF MULTIFUNCTIONS, INTERNATIONAL JOURNAL OF MATHEMATICS AND MATHEMATICAL SCIENCES VOL 12 NO 4 PP. 665-668 (1989).
11. B. K. PAPADOPOULOS, ON THE ISBELL TOPOLOGY, MATHEMATICA JAPONICA 35 NO 6 PP. 1043-1046 (1990).
12. B. K. PAPADOPOULOS, ON THE SCOTT TOPOLOGY ON THE SET OF CONTINUOUS MAPS, CZECHOSLOVAK MATHEMATICAL JOURNAL VOL 41 (116) NO 3 PP. 373-377 (1991).
13. B. K. PAPADOPOULOS, BETWEEN  $R_0$  AND  $R_1$ , RADOVI MATEMATICKI VOL 7 PP. 135-141 (1991).
14. B. K. PAPADOPOULOS, ASCOLI'S THEOREM IN A QUIET QUASI-UNIFORM SPACE, PANAMERICAN JOURNAL OF MATHEMATICS VOL 3 NO 4 PP. 19-22 (1993).
15. B. K. PAPADOPOULOS, (QUASI)-UNIFORMITIES ON THE SET OF BOUNDED MAPS, INTERNATIONAL JOURNAL OF MATHEMATICS AND MATHEMATICAL SCIENCES VOL. 17 NO 4 PP. 693-696 (1994).
16. B. K. PAPADOPOULOS, QUASI-UNIFORM CONVERGENCE ON FUNCTION SPACES, QUESTIONS AND ANSWERS TO GENERAL TOPOLOGY VOL 12 PP. 121-131 (1994).

17. B. K. PAPADOPOULOS, BOUNDEDNESS AND QUASI-UNIFORM CONVERGENCE, MATH. JAPONICA, 41, NO.3, 565-571 (1995).
18. B. K. PAPADOPOULOS, A NOTE ON THE PAPER ` QUASI UNIFORM CONVERGENCE ON FUNCTION SPACES` QUESTIONS AND ANSWERS IN GENERAL TOPOLOGY, VOL.13, 55-56(1995).
19. B. K. PAPADOPOULOS, A NOTE ON THE SCOTT TOPOLOGY ON THE SET OF CONTINUOUS MAPS. PANAMERICAN JOURNAL OF MATHEMATICS 6 NO2, 39-46 (1996).

## 15.2. Research Papers in Cooperation

1. CHRISTOS TZIMOPOULOS, KYRIAKOS PAPADOPOULOS, BASIL K PAPADOPOULOS , FUZZY REGRESSION WITH APPLICATIONS IN HYDROLOGY , INTERNATIONAL JOURNAL OF ENGINEERING AND INNOVATIVE TECHNOLOGY (IJEIT) , PP 69-75.(2016)
2. CHRISTOS TZIMOPOULOS, KYRIAKOS PAPADOPOULOS, BASIL K PAPADOPOULOS, MODELS OF FUZZY LINEAR REGRESSION: AN APPLICATION IN ENGINEERING, A CHAPTER OF "MATHEMATICAL ANALYSIS, APPROXIMATION THEORY AND THEIR APPLICATIONS", PP 693-713, SPRINGER INTERNATIONAL PUBLISHING (2016)
3. K. ADJENUHWURE, B. PAPADOPOULOS, A NEW HYBRID FUZZY-STATISTICAL MEMBERSHIP FUNCTION BASED ON FUZZY ESTIMATORS, JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, PP 1-11 (2016)
4. ANTONIA PLEROU, ELENA VLAMOU, BASIL PAPADOPOULOS, VISUALIZATION OF NEURO-FUZZY NETWORKS TRAINING ALGORITHMS: THE BACKPROPAGATION ALGORITHM APPROACH, PP 705-737 (2016)
5. ATHANASIOS C BOGIATZIS, BASIL K PAPADOPOULOS, PRODUCING FUZZY INCLUSION AND ENTROPY MEASURES, A CHAPTER OF " COMPUTATION, CRYPTOGRAPHY, AND NETWORK SECURITY", PP 51-74, SPRINGER INTERNATIONAL PUBLISHING (2015)
6. K. ADJENUHWURE,G. BOTZORIS, B. PAPADOPOULOS,CLUSTERING VARIABLES BASED ON FUZZY EQUIVALENCE RELATIONS, ADVANCES IN INTELLIGENT SYSTEMS AND COMPUTING, A CHAPTER OF "SCIENTIFIC METHODS FOR THE TREATMENT OF UNCERTAINTY IN SOCIAL SCIENC-ES", VOLUME 377 OF THE SERIES ADVANCES IN INTELLIGENT SYSTEMS AND COMPUTING PP 219-230, , SPRINGER 2015, (ISBN 978-3-319-19704-3)
7. ATHANASIOS C. BOGIATZIS, BASIL K. PAPADOPOULOS, "PRODUCING FUZZY INCLUSION AND ENTROPY MEASURES" A CHAPTER OF BOOK "COMPUTATION, CRYPTOGRAPHY, AND NETWORK SECURITY",PP 51-74, , SPRINGER 2015, (ISBN 978-3-319-18275-9)



8. CHRISTOS TZIMOPOULOS , CHRISTOS EVANGELIDES , KYRIAKOS PAPADOPOULOS · BASIL PAPADOPOULOS ,A SECOND ORDER FUZZY DIFFERENTIAL EQUATION FOR THE CASE OF A SEMI-CONFINED AQUIFER ,JOURNAL OF INTERPOLATION AND APPROXIMATION IN SCIENTIFIC COMPUTING , PP 1-14 (2014)
9. DS SFIRIS, PA TSILIKI, BK PAPADOPOULOS, ADAPTIVE FUZZY ESTIMATORS IN CONTROL CHARTS FOR SHORT RUN PRODUCTION PROCESSES, INTERNATIONAL JOURNAL OF FUZZY SYSTEMS, VOL. 16 NO. IV, PP. 435. (2014).
10. IOANNIS N MARKOU, DIMITRIOS N CHRISTODOULOU, BASIL K PAPADOPOULOS, PENETRABILITY OF MICROFINE CEMENT GROUTS: EXPERIMENTAL INVESTIGATION AND FUZZY REGRESSION MODELING, CANADIAN GEOTECHNICAL JOURNAL, VOL. 52 NO. 999, PP. 1-15. (2014).
11. DS SFIRIS, BK PAPADOPOULOS, NON-ASYMPTOTIC FUZZY ESTIMATORS BASED ON CONFIDENCE INTERVALS, INFORMATION SCIENCES, VOL. 279 , PP. 446-459. (2014).
12. G. BOTZORIS, E. VARAGOULI, V. PROFILLIDIS, B. PAPADOPOULOS, P. LATHIRAS, FORECAST OF TOURISM DEMAND WITH THE USE OF FUZZY AND COINTEGRATION ECONOMETRIC TECHNIQUES` JOURNAL OF COMPUTATIONAL METHODS IN SCIENCES AND ENGINEERING` , VOL 14, ISSUE 4,5 ,245-257 , (2014)
13. KONSTANTINOS A CHRYSAFIS, BASIL K PAPADOPOULOS, POSSIBILISTIC MOMENTS FOR THE TASK DURATION IN FUZZY PERT, JOURNAL OF MANAGEMENT IN ENGINEERING. (2014)
14. KONSTANTINOS A. CHRYSAFIS, BASIL K. PAPADOPOULOS, APPROACHING ACTIVITY DURATION IN PERT BY MEANS OF FUZZY SETS THEORY AND STATISTICS, JOURNAL OF INTELLIGENT & FUZZY SYSTEMS: APPLICATIONS IN ENGINEERING AND TECHNOLOGY, VOL. 26 NO. 2, PP. 577-587. (2014).
15. G. N. BOTZORIS, B. K. PAPADOPOULOS, D. S. SFIRIS, "MODELING QUEUEING SYSTEMS USING FUZZY ESTIMATORS, FUZZY ECONOMIC REVIEWS, VOL. 18, NO. 2, 3-17 (2013).
16. KINGSLEY ADJENUGHWURE, GEORGE N. BOTZORIS ,BASIL K. PAPADOPOULOS, NEURAL, FUZZY AND ECONOMETRIC TECHNIQUES FOR THE CALIBRATION OF TRANSPORT DEMAND MODELS, INTERNATIONAL J. OF MATH. SCI. & ENGG. APPLS. (IJMSEA), VOL. 7 NO. 5, 385-403. (2013)
17. KONSTANTINOS A. CHRYSAFIS, BASIL K. PAPADOPOULOS, APPROACHING ACTIVITY DURATION IN PERT BY MEANS OF FUZZY SETS THEORY AND STATISTICS, JOURNAL OF INTELLIGENT AND FUZZY SYSTEMS, JOURNAL OF INTERLLIGENT AND FUZZY SYSTEMS.(2013)
18. STAVROS N. SHAELES, VASILIOS KATOS, ALEXANDROS S. KARAKOS, BASIL K. PAPADOPOULOS, REAL TIME DDOS DETECTION USING FUZZY ESTIMATORS. COMPUTERS & SECURITY. 31(6):782-790. (2012)

19. S. SFIRIS AND B. K. PAPADOPOULOS, NON-ASYMPTOTIC FUZZY ESTIMATORS BASED ON CONFIDENCE INTERVALS, APPLIED MATHEMATICAL SCIENCES, Vol. 6, 1695 – 1718, (2012)
20. KONSTANTINOS A. CHRYSAFIS, DEMETRIOS PANAGIOTAKOPOULOS, BASIL K. PAPADOPOULOS, HYBRID (FUZZY-STOCHASTIC) MODELLING IN CONSTRUCTION OPERATIONS MANAGEMENT, INTERNATIONAL INT. J. MACH. LEARN. & CYBER. , DOI 10.1007/S13042-012-0093-9. (2012).
21. D.S. SFIRIS AND B.K. PAPADOPOULOS, FUZZY ESTIMATORS IN EXPERT SYSTEMS, APPLIED MATHEMATICAL SCIENCES, VOL. 6, NO. 35, 1695 - 1718, IN PRESS, (2012).
22. BASIL K. PAPADOPOULOS, APOSTOLOS SYROPOULOS: GENERALIZING TOPOLOGY VIA CHU SPACES CORR ABS/1101.2999, (2011).
23. GKOUKOU LI A., SFIRIS D.S, BOTZORIS G., PAPADOPOULOS B.K., FUZZY PERFORMANCE MEASURES OF M/M/S QUEUEING SYSTEMS USING FUZZY ESTIMATORS, JOURNAL OF COMPUTATIONAL OPTIMIZATION IN ECONOMICS AND FINANCE, VOL. 2, ISSUE 3, 136-147, (2010).
24. TSIRONIS, L., SFIRIS D., PAPADOPOULOS, B. FUZZY PERFORMANCE EVALUATION OF WORKFLOW STOCHASTIC PETRI NETS, IEEE TRANSACTIONS ON SYSTEMS, MAN & CYBERNETICS-PART A, 40(2), 352-362, 2010.
25. KONSTANTINOS A. CHRYSAFIS, BASIL K. PAPADOPOULOS. ON THEORETICAL PRICING OF OPTIONS WITH FUZZY ESTIMATORS, JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, 223 (2), 552-566. (2009)
26. KONSTANTINOS A. CHRYSAFIS, BASIL K. PAPADOPOULOS,. COST-VOLUME-PROFIT ANALYSIS UNDER UNCERTAINTY: A MODEL WITH FUZZY ESTIMATORS BASED ON CONFIDENCE INTERVALS, INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, 47 (21), 5977–5999. (2009).
27. KONSTANTINOS A. CHRYSAFIS, BASIL K. PAPADOPOULOS, G. PAPASCHINOPOULOS. ON THE FUZZY DIFFERENCE EQUATIONS OF FINANCE, FUZZY SETS AND SYSTEMS, 159 (24), 3259-3270 (2008).
28. HATZIMICHAILIDIS AG, PAPADOPOULOS BK., SIMILARITY CLASSES ON FUZZY IMPLICATIONS, JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, VOLUME 14, NUMBER 1-2, PAGES 105-117, 2008.
29. HATZIMICHAILIDIS AG, PAPADOPOULOS BK., ORDERING RELATION OF FUZZY IMPLICATIONS, JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, VOLUME 19, ISSUE 3, , PAGES 189-195, AUGUST 2008.
30. PAPADOPOULOS, B. K. GEORGIOU. N. A NOTE ON OSCILLATION IN FUZZY TOPOLOGICAL SPACES. FAR EAST J. MATH. SCI. (FJMS) 27, NO. 3, 589-606. (2007)
31. P.S. KECHAGIAS AND BASIL K. PAPADOPOULOS, COMPUTATIONAL METHOD TO EVALUATE FUZZY ARITHMETIC OPERATIONS APPLIED MATHEMATICS AND COMPUTATION, VOLUME 185, ISSUE 1, , PAGES 169-177, 1 FEBRUARY 2007.

32. HATZIMICHAILIDIS AG., PAPADOPOULOS BK., L-FUZZY SETS AND INTUITIONISTIC FUZZY SETS. IN: KABURLASOS VG, RITTER GX., (EDS) COMPUTATIONAL INTELLIGENCE BASED ON LATTICE THEORY, SPRINGER-VERLAG, HEIDELBERG, GERMANY, SERIES: STUDIES IN COMPUTATIONAL INTELLIGENCE, VOL. 67, 2007.
33. B.K. PAPADOPOULOS, G. TRASANIDES, A. G. HATZIMICHAILIDIS, AN OPTIMIZATION METHOD FOR THE SELECTION OF THE APPROPRIATE FUZZY IMPLICATION, JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, VOL. 134, NO. 1, PP. 135- 141, 2007.
34. VICTOR BALOPOULOS, ANESTIS G. HATZIMICHAILIDIS, BASIL K. PAPADOPOULOS, DISTANCE AND SIMILARITY MEASURES FOR FUZZY OPERATORS, INFORMATION SCIENCES, VOL. 177, NO. 11, 2336-2348, 2007.
35. BASIL PAPADOPOULOS, KONSTANTINOS P TSAGARAKIS AND ANDREAS YANNOPOULOS COST AND LAND FUNCTIONS FOR WASTEWATER TREATMENT PROJECTS: TYPICAL SIMPLE LINER REGRESSION VERSUS FUZZY LINEAR REGRESSION ASCE (AMERICAN SOCIETY OF CIVIL ENGINEERING) JOURNAL OF ENVIRONMENTAL ENGINEERING, VOL. 133, NO. 6, JUNE 2007.
36. PAPADOPOULOS, BASIL K. SFIRIS, DIMITRIS S. CONSTRUCTION OF FUZZY ESTIMATORS. TRENDS AND CHALLENGES IN APPLIED MATHEMATICS, 76--81, MATRIX ROM, BUCHAREST, (2007).
37. G. HATZIMICHAILIDIS, V. G. KABURLASOS, B. K. PAPADOPOULOS: ` AN IMPLICATION IN FUZZY SETS` , 2006 IEEE WORLD CONGRESS ON COMPUTATIONAL INTELLIGENCE- 2006 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS- VANCOUVER, BC, CANADA (2006).
38. PAPADOPOULOS B.K. AND SYROPOULOS A., CATEGORICAL RELATIONSHIPS BETWEEN GOGUEN SETS AND ``TWO-SIDED`` CATEGORICAL MODELS OF LINEAR LOGIC, FUZZY SETS AND SYSTEMS 149(3): 501-508 (2005).
39. ANESTIS G. HATZIMICHAILIDIS, BASIL K. PAPADOPOULOS: `A NEW GEOMETRICAL INTERPRETATION OF SOME CONCEPTS IN THE INTUITIONISTIC FUZZY LOGICS, ` NOTES ON IFS` , VOL.11, NO.2, (2005).
40. GEORGIU, D. N. ILIADIS, S. D. PAPADOPOULOS, B. K. ON DUAL TO-POLOGIES. TOPOLOGY APPL. 140, NO. 1, 57--68. (2004)
41. PAPADOPOULOS, B.K., SYROPOULOS, A. AND ATANASSOV, K.T., VARIANTS OF INTUITIONISTIC FUZZY IMPLICATIONS, FOURTH INTERNATIONAL WORKSHOP ON INTUITIONISTIC FUZZY SETS AND GENERALIZED NETS, WARSAW, POLAND, SEPTEMBER 24-- 25, (2004).
42. ATANASSOV K., PAPADOPOULOS B.K., AND SYROPOULOS A., AN APPLICATION OF THE THEORY OF INTUITIONISTIC FUZZY MULTIGRAPHS, MATHWARE AND SOFT COMPUTING, VOL 11, NO 1, PP 45--49, (2004).
43. B.K. PAPADOPOULOS AND MARINA A. SIRPI, ` SIMILARITIES AND DISTANCES IN FUZZY REGRESSION MODELS` . SOFT COMPUTING, 8 556- 561 (2004).

44. GEORGIU, D. N. ILIADIS, S. D. PAPADOPOULOS, B. K.  $\mathcal{N}\mathcal{S}$ -TUPLE RELATIONS AND TOPOLOGIES ON FUNCTION SPACES. APPL. GEN. TOPOL. 4, NO. 2, 467--474. (2003).
45. G. PAPASCHINOPOULOS AND B.K. PAPADOPOULOS, ON THE FUZZY DIFFERENCE EQUATION , SOFT COMPUT., 6 456-461. (2002).
46. GEORGIU, D. N. ILIADIS, S. D. PAPADOPOULOS, B. K. TOPOLOGIES ON FUNCTION SPACES AND THE COORDINATE CONTINUITY. PROCEEDINGS OF THE 15TH SUMMER CONFERENCE ON GENERAL TOPOLOGY AND ITS APPLICATIONS/1ST TURKISH INTERNATIONAL CONFERENCE ON TOPOLOGY AND ITS APPLICATIONS (OXFORD, OH/ISTANBUL, 2000). TOPOLOGY PROC. 25 (2000), SUMMER, 505-517 (2002).
47. ANESTIS G. HATZIMICHAILIDIS, BASIL K. PAPADOPOULOS: ` A NEW IMPLICATION IN THE INTUITIONISTIC FUZZY SETS`, ` NOTES ON IFS`, VOL. 8, NO.4, P.79-104, (2002).
48. PAPADOPOULOS B.K., SYROPOULOS A., AND ATANASSOV K., A NOTE ON A NEW CATEGORY OF INTUITIONISTIC FUZZY SETS, NOTES ON INTUITIONISTIC FUZZY SETS, VOL. 8, NO 2, PP 54--56, (2002).
49. D. N. GEORGIU AND B. K. PAPADOPOULOS, ON NEARLY COMPACT TOPOLOGICAL AND FUZZY TOPOLOGICAL SPACES, TOPOLOGY APPL. 123, NO. 1, 73--85. (2002).
50. G. PAPASCHINOPOULOS AND B.K. PAPADOPOULOS, ON THE FUZZY DIFFERENCE EQUATION , FUZZY SETS AND SYSTEMS, 129 73-81. (2002).
51. D. N. GEORGIU AND B. K. PAPADOPOULOS, ON ALMOST CONTINUOUS,  $\Delta$ -CONTINUOUS AND ALMOST STRONGLY  $\Theta$ -CONTINUOUS FUNCTIONS. MATHEMATICAL SCIENCES RESEARCH HOT-LINE, 5(7), 41-56. (2001).
52. V.STEFANIS, V. PROFILLIDIS, B.PAPADOPOULOS, G.BOTZORIS, ANALYSIS AND FORECASTING OF INTERCITY RAI PASSENGER DEMAND BY ECONOMETRIC AND FUZZY REGRESSION MODELS-SIMILARITIES IN FUZZY REGRESSION MODELS (8TH SIGEF CONGRESS:NEW LOGIC FOR THE NEW ECONOMY, INTERNATIONAL ASSOCIATION FOR FUZZY SET MANAGEMENT AND ECONOMY, NAPLEW, ITALY, SEPTEMBER (2001).
53. D. N. GEORGIU AND B. K. PAPADOPOULOS, WEAKLY CONTINUOUS WEAKLY  $\Theta$ -CONTINUOUS, , SUPER CONTINUOUS AND TOPOLOGIES ON FUNCTION SPACES,, SCI. MATH. JPN. 53, NO. 2, 233--246. (2001).
54. D. N. GEORGIU, B. K. PAPADOPOULOS AND K. PERAKIS, FUZZY STRONGLY AND FUZZY SUPER CONTINUOUS FUNCTIONS , B. N. PRASAD BIRTH CENTENARY COMMEMORATION VOLUME, II. INDIAN J. MATH. 42, NO. 2, 153--165. (2000).
55. D. N. GEORGIU AND B. K. PAPADOPOULOS, ON FUZZY BOUNDEDNESS, PANAMERICAN MATHEMATICAL JOURNAL, 10, NO 1. 25-43, (2000).
56. D. N. GEORGIU AND B. K. PAPADOPOULOS, ON FUZZY  $\Theta$ -CONVERGENCES. FUZZY SETS AND SYSTEMS, 116, 385-399, (2000).
57. B.K.PAPADOPOULOS AND A.SYROPOULOS, FUZZY SETS AND FUZZY RELATIONAL STRUCTURES AS CHU SPACES, INTERNATIONAL JOURNAL OF UNCERTAINTY, FYZZINESS AND KNOWLEDGE-BASED SYSTEMS ,VOL.8, NO.4, 471-479 (2000).

58. D. N. GEORGIU AND B. K. PAPADOPOULOS, STRONGLY  $\Theta$ -CONTINUOUS FUNCTIONS AND TOPOLOGIES ON FUNCTION SPACES, PAPERS IN HONOR OF BERNHARD BANASCHEWSKI, KLUWER ACADEMIC PUBLISHERS, 433-444. (2000).
59. V.A.PROFILIDIS, B.K.PAPADOPOULOS, G.N.BOTZORIS, SIMILARITIES IN FUZZY REGRESSION MODELS AND APPLICATION ON TRANSPORTATION, FUZZY ECONOMIC REVIEW, VOL.IV, NO.1, 83-98 (1999).
60. B.K. PAPADOPOULOS AND MARINA A. SIRPI, `SIMILARITIES IN FUZZY REGRESSION MODELS` JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, VOL.102, NO.2, 373-383 ,(1999).
61. D. N. GEORGIU AND B. K. PAPADOPOULOS, SCOTT TOPOLOGY AND FUZZY SETS I `THE JOURNAL OF FUZZY MATHEMATICS` ). 7, NO. 4, 803--820. (1999).
62. D. N. GEORGIU AND B. K. PAPADOPOULOS, CONVERGENCES IN FUZZY TOPOLOGICAL SPACES, FUZZY SETS AND SYSTEMS, 101, 495-504, (1999).
63. D. N. GEORGIU AND B. K. PAPADOPOULOS, ON FUZZY COMPACTNESS, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 233, 86-101 ,(1999).
64. D. N. GEORGIU AND B. K. PAPADOPOULOS, BOUNDEESS AND FUZZY SETS, THE JOURNAL OF FUZZY MATHEMATICS, VOL. 6, NO. 4, 941--955. (1998).
65. GEORGIU, D. N. PAPADOPOULOS, B. K. BOUNDEDNESS AND FUZZY SETS. J. FUZZY MATH. 6, NO. 4, 941-955. (1998).
66. D. N. GEORGIU AND B. K. PAPADOPOULOS, A NOTE ON THE FINEST SPLITTING TOPOLOGY QUESTIONS AND ANSWERS IN GENERAL TOPOLOG15, NO.2,137--144. (1997).
67. D. N. GEORGIU AND B. K. PAPADOPOULOS, IDEALS AND ITS APPLICATIOIS `INSTITUTE OF MATHEMATICS AND COMPUTER SCIENCES` (MATHEMATICS SERIES). 9, NO1, 105-117(1996).
68. D. N. GEORGIU AND B. K. PAPADOPOULOS, CONVERGENCES AND TOPOLOGIES ON FUNCTION SPACES, PANAMERICAN JOURNAL OF MATHEMATICS VOL 5 NO 1,101-119(1995).
69. ILIADIS, S. D. PAPADOPOULOS, B. K.  $\Omega$ -NETS, SCOTT OPEN SETS AND TOPOLOGIES ON FUNCTION SPACES. PUBL. MATH. DEBRECEN 47, NO. 1-2, 139-150. (1995).
70. GEORGIU, D. N. ILIADIS, S. D. PAPADOPOULOS, B. K. TOPOLOGIES AND ORDERS ON FUNCTION SPACES. PUBL. MATH. DEBRECEN 46, NO. 1-2. (1995).
71. S. D. ILIADIS AND B. K. PAPADOPOULOS,  $\Omega$ -NETS , SCOTT OPEN SETS AND TOPOLOGIES ON FUNCTION SPACES, PUBLICATIONES MATHE-MATICAE, DEBRECEN, 47, 1-2, 139-150, (1995).
72. D. N. GEORGIU, S. D. ILIADIS AND B. K. PAPADOPOULOS, TOPOLOGIES AND ORDER ON FUNCTION SPACES, PUBLICATIONES MATHEMATICAE, DEBRECEN, 46, 1-2, 1-10(1995).

73. B. K. PAPADOPOULOS, T. YIANNAKOPOULOU AND N. ELIAS, A MODEL FOR ANALYSIS OF MULTIVARIABLE SYSTEM WITH AN APPLICATION TO ECOLOGY, ECOLOGICAL MODELLING 74 PP. 139-160 (1994).
74. B. STEPHANIS, B. K. PAPADOPOULOS AND N. ELIAS, INVESTIGATION OF MULTIVARIABLE SYSTEMS, APPLIED MATHEMATICAL MODELLING, VOL 18 PP., 628-634 , (1994).
75. S. D. ILIADIS AND B. K. PAPADOPOULOS, THE CONTINUOUS CONVERGENCE ON FUNCTION SPACES, PANAMERICAN JOURNAL OF MATHEMATICS, 5, NO1, 33-42(1994).
76. D. N. GEORGIU, S. D. ILIADIS AND B. K. PAPADOPOULOS, TOPOLOGIES ON FUNCTION SPACES, (RUSSIAN) ZAP. NAUCHN. SEM. S.-PETERBURG. OTDEL. MAT. INST. STEKLOV. (POMI) 208 (1993), ISSLED. PO TOPOL. 7, 82--97, 220 TRANSLATION IN J. MATH. SCI. 81 (1996), NO. 2, 2506--2514.
77. B. K. PAPADOPOULOS AND TH. K. KOURPHOS, EXPONENTIAL LAWS FOR FUNCTION SPACES EQUIPPED WITH THE QUASI UNIFORMITY OF THE QUASI UNIFORM CONVERGENCE, ANNALES DE LA SOCIETE SCIENTIFIQUE DE BRUXELLES VOL. 101 III PP. 89-97 (1987).
78. P. TH. LAMBRINOS AND B. K. PAPADOPOULOS, THE (STRONG) ISBELL TOPOLOGY AND (WEAKLY) CONTINUOUS LATTICES, CONTINUOUS LATTICES AND APPLICATIONS, LECTURE NOTES IN PURE AND APPLIED MATHEMATICS, MARCEL DEKKER, NEW YORK, VOL 101 PP. 191-211 (1985).

### 15.3. Λοιπές Εργασίες

1. PAPADOPOULOS B. K. AND SYROPOULOS A., TOPOLOGICAL PROPERTIES OF CHU SPACES, VIENNA WORKSHOP OF THE EUROPEAN COST ACTION GROUP 15, BIENNE, ΑΥΣΤΡΙΑ, 1998.
2. SYROPOULOS A. AND PAPADOPOULOS B..K., A SURVEY OF COMPUTER OPERATING SYSTEMS FOR INDUSTRIAL APPLICATIONS, 1<sup>ST</sup> INTERNATIONAL CONFERENCE ON MATHEMATICS AND INFORMATICS FOR INDUSTRY, ΘΕΣΣΑΛΟΝΙΚΗ, 2003.
3. ΠΑΠΠΑ Ε., ΣΥΡΟΠΟΥΛΟΣ Α. ΚΑΙ ΠΑΠΑΔΟΠΟΥΛΟΣ Β., ΕΦΑΡΜΟΓΗ ΤΗΣ ΚΛΑΣΜΑΤΙΚΗΣ ΓΕΩΜΕΤΡΙΑΣ ΣΤΗΝ ΕΠΕΚΤΑΣΗ ΠΟΛΕΩΝ, ΤΕΧΝ. ΧΡΟΝ. ΕΠΙΣΤ. ΕΚΔ. ΤΕΕ, Ι, ΤΕΥΧ. 2--3, ΣΕΛ. 73--80, 2005.
4. ΣΥΜΜΕΤΟΧΗ ΚΑΙ ΠΑΡΟΥΣΙΑΣΗ ΕΡΓΑΣΙΩΝ ΣΤΗΝ 7Η ΔΙΕΘΝΗΣ ΜΑΘΗΜΑΤΙΚΗ ΕΒΔΟΜΑΔΑ - ΜΑΡΤΙΟΣ 2015
5. ΣΥΜΜΕΤΟΧΗ ΚΑΙ ΠΑΡΟΥΣΙΑΣΗ ΕΡΓΑΣΙΩΝ ΣΤΟ ΠΡΩΤΟ THESSALONIKI SCIENCE FAIR ΜΕ ΕΠΙΣΗΜΗ ΣΤΗΡΙΞΗ ΑΠΟ ΤΟ ΥΠΟΥΡΓΕΙΟ ΠΑΙΔΕΙΑΣ, 14-17 ΜΑΙΟΥ 2015.

### 15.4. Ετεροαναφορές

Οι αναφορές, που υπέπεσαν στην αντίληψή μου, στο συγγραφικό μου έργο από άλλους επιστήμονες, ξεπερνούν τις πεντακόσιες πενήντα, οι δε δείκτες αξιολόγησης διαμορφώνονται ως εξής:

- ◆ h-index (από το Scopus) = 7  
(<http://www.scopus.com/authid/detail.url?authorId=7003614199>)
- ◆ Google Scholar μέσω του Harzing's Publish or Perish: 422 αναφορές και h-index = 12
- ◆ . <https://zbmath.org/authors/?s=0&c=100&q=Papadopoulos+B.K.> (62 εργασίες)