

Name: Dr. Ifigenia Efthimiou

Job Title: Senior Lecturer in Mathematics and Statistics

Studies:

- **2010 - 2015:** Doctoral Thesis on the domain of "*Design and Analysis of Experiments*", Department of Mathematics, School of Sciences, University of the Aegean, Samos, Greece. Supervisors: Stelios D. Georgiou and Stelios Xanthopoulos, Grade: "**EXCELLENT**" (10/10).
- **2008 - 2010:** Master's Degree "Statistics and Data Analysis", Department of Statistics and Actuarial – Financial Mathematics of the University of The Aegean, Samos, Greece.
- **2004 – 2008:** BSc Department of Statistics and Actuarial – Financial Mathematics of the University of the Aegean, Samos, Greece.

Work experience:

- 1) Senior Lecturer, Ctl Eurocollege, Limassol, Cyprus (2021-Today).
- 2) Visitor Lecturer, Department of Computer Science at the Neapolis University Pafos (2021-Today).
- 3) Visitor Lecturer, Department of Economics and Business at the Neapolis University Pafos. (2023-Today).
- 4) Visitor Lecturer, Department of Real Estate at the Neapolis University Pafos. (2023-Today).
- 5) Assistant Professor, CDA College Pafos and Limassol, Cyprus. (2019-Today).
- 6) Assistant Professor, American College Nicosia, Cyprus. (2018-2022).
- 7) Special Scientist in Department of Commerce, Finance and Shipping of the Cyprus University of Technology Limassol, Cyprus (2018- 2020).
- 8) Special Scientist in the Department of Mathematics and Statistics of the University of Cyprus (2018-2019).
- 9) Lecturer the laboratory in the Department of Statistics and Actuarial – Financial Mathematics, School of Sciences, University of the Aegean, Samos, Greece. (2011-2014).

- 10) Supervision of two postgraduate theses along with Dr. Stella Stylianou in the Department of Statistics and Actuarial – Financial Mathematics, School of Sciences, of the University of Aegean, Samos, Greece).

Research:

Statistical Experimental Designs, Statistical Methods, Statistics and Data Analysis, Factorial Designs, Computer Experiments, Analysis of Variance, Regression Analysis, Latin hypercube Designs, Nearly orthogonal Latin hypercube Designs, Sequences with Zero Autocorrelation, Orthogonal Matrices and Designs, Orthogonal Arrays, Saturated and Supersaturated designs, Biostatistics, Linear Models.

Research profile

<http://www.ctleuro.ac.cy/en/research-development/1-research-office/dr-ifigenia-efthimiou>

Member in Councils:

- Regular member of the Greek Statistical Institute (GSI)
- Certified Trainer Human Resource Development Authority of Cyprus (HRDA)

Publications:

➤ **Publications in International Journals**

[1]. Georgiou, S.D. and Efthimiou, I. (2012). Some classes of orthogonal Latin hypercube designs. *Statist. Sinica*.

[2]. Ifigenia Efthimiou, Stelios D. Georgiou, and Min-Qian Liu. (2014). Construction of nearly orthogonal Latin hypercube designs *Metrika*.

[3]. Efthimiou, I. and Prodromou, A. (2023). Covid-19 - The Impact on Cyprus' SMEs Tourism Enterprises. Lessons to be learnt. (Pending for Publication)

[4]. Prodromou, A. and Efthimiou, I. (2023). Burnout and Work-life Balance in the Cyprus Hotel Industry – Challenges of the Post Covid-19 Era. (Pending for Publication).

➤ **Papers in Refereed Conference Proceedings**

[1]. I. Efthimiou and S. Georgiou, "Latin Hypercube Designs", in the Proceedings of the 26th PanHellenic Conference in Statistics, May 2013, Piraeus, Athens.

➤ **Conferences**

Participation and presentation of a paper in the following scientific conferences:

[1] Twenty-sixth Panhellenic Conference of Statistics, May 2013, Piraeus, Greece. A joint paper with Mr. S. Georgiou was presented, titled: "Latin Hypercube Designs".

[2] Twenty-seventh Panhellenic Conference of Statistics, April 2014, Thessaloniki, Greece. A joint paper with Mr. S. Georgiou was presented, titled: "Sliced Latin Hypercube Designs".

[3] "Eleventh International Conference in International Business: New Challenges, Opportunities and Ideas in the International Business Arena." Organized by Neapolis University Pafos, Pafos Cyprus 15th -17th of September, 2023 was presented, titled: "Covid-19 - The Impact on Cyprus' SMEs Tourism Enterprises. Lessons to be learnt."

➤ **Presentation of a poster in the following scientific conferences:**

[1] Design and Analysis of Experiments Conference (DAE 2012), October 17-20, 2012. Department of Statistics, University of Georgia, Georgia, USA. Presentation of the poster: "Designs for computer experiments constructed from block-circulant matrices" (with S. Georgiou and G. Stylianou).

[2] Twenty-sixth Panhellenic Conference of Statistics, May 2013, Piraeus, Greece. Presentation of the following poster: Orthogonal designs and designs with small

correlations suitable for computer experiments", (with S. Georgiou and G. Stylianou).

International Recognition of Work & Awards:

October 2008 - June 2009: Scholarship from the Postgraduate Programme of Studies "Statistics and Actuarial - Financial Mathematics", of the Department of Statistics and Actuarial – Financial Mathematics, School of Sciences, University of the Aegean, Samos, Greece.

September 2004 - June 2006: Scholarship and award from the programme of the State Scholarships Foundation of Greece (I.K.Y) for my performance during the academic year 2004-2005 & 2005-2006.