

# Curriculum Vitae

Antonis Manoussakis

## Address

Technical University of Crete  
School of Environmental Engineering  
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## Personal data

Date of Birth: 26 December 1969  
Place of Birth: Chania, Crete  
Citizenship: Greek  
Military service: 1998-1999  
Marital Status: Married with one children.

## Research Interests

Functional analysis, Geometry of Banach spaces.

## Education

1992: BSc in Mathematics, University of Athens, Greece.  
1994: MSc in Mathematics, University of Athens, Greece.  
1998: PhD in Mathematics, University of Athens, Greece.  
PhD Thesis: Mixed Tsirelson spaces: Study of the Geometry of  $p$ -spaces and modified asymptotic  $\ell_1$ -Banach spaces.  
Thesis advisor: Professor S.A. Argyros

## Professional appointments

2000-2004. Visiting instructor in Department of Sciences, Technical University of Crete.  
2004-2010. Assistant Professor, Department of Mathematics, University of Aegean.  
2010- , Assistant Professor, School of Environmental Engineering, Technical University of Crete.

## Publications

1. "Modified Mixed Tsirelson spaces", Journal of Functional Analysis 159,43-109 (1998) with S.A. Argyros, I. Deliyanni, D. Kutzarova.)
2. "On the structure of certain class of Mixed Tsirelson spaces", Positivity 5 No.3, 193-238, 2001
3. "Some Remarks On Spreading Models and Mixed Tsirelson spaces," Proceedings of the American Mathematical Society, 131(8)(2003), 2515-2525.
4. "Function Spaces not containing  $\ell_1$ ", Israel Journal of Mathematics, 135(2003), 29-82, (with S.A. Argyros, I. Deliyanni, M. Petraki),
5. "Distortion and Spreading Models in Modified Mixed Tsirelson Spaces", Studia Mathematica 157(3),199-236, 2003, (with S.A. Argyros, I. Deliyanni),
6. "An Indecomposable and unconditionally saturated Banach space", Studia Mathematica 159 (1),1-32, 2003, with S. A. Argyros. (Special Volume in honor of Professor A. Pelczynski)
7. A note on certain equivalent norms on Tsirelson's space, Glasgow. Math. J. 46 (2004), no. 2, 379--390
8. A sequentially unconditional Banach space with few operators, Proc. London Math. Soc. (3) 91 (2005), no. 3, 789--818, with S.A. Argyros.
9. "Asymptotic  $\ell_p$  Hereditarily Indecomposable Banach spaces", Illinois Journal of Mathematics 51(3),767-803 2007, with I. Deliyanni
10. "A complete classification of Tsirelson type spaces ", Canadian Journal of Math.60 (2008), 1108-1148, with J. Lopez-Abad.
- 11 Minimality properties of Tsirelson type spaces. Studia Math. 187 (3) 233-263, (2008), with D.Kutzarova, D. Leung, W. K. Tang.
- 12 Quasiminimality in mixed Tsirelson spaces, Mathematische Nachrichten, 284 (2011), no. 14-15, 1924-1947, with A. Pelczar.
- 13 On the hereditary proximity to  $\ell_1$  Journal of Functional Analysis, 261 (5), 1145-1203, (2011). (with S.A Argyros, A. Pelczar)
- 14 Isomorphisms and strictly singular operators in mixed Tsirelson spaces. J. Math. Anal. Appl. 388 (2012), no. 2, 1040-1060, (with D. Kutzarova and A. Pelczar)
- 15 Strictly singular non-compact operators on a class of HI spaces, Bull. London Math. Soc. 46(3), 463-482 (2013) (with A. Pelczar)
- 16 Quasi-minimality and tightness by range in spaces with unconditional basis, to appear in Israel journal of Mathematics (with S.A. Argyros and A. Pelczar)

## Preprints

- [17] Types of tightness in spaces with unconditional basis, with A. Pelczar

Referee for Professional Journals: Bulletin of London Mathematical Society, Studia Mathematica., Journal of Mathematical Analysis and Applications, International journal of Mathematics and Mathematical Sciences.

Reviewer in American Mathematical Society

## Teaching

Functional Analysis, Real Analysis, Complex analysis, Theory of Probabilities Analytic Geometry, Calculus of one and several variables, (Department of Mathematics, University of Aegean)

Technical University of Crete.

Differential and Integral calculus of one and several variables. Differential Equations, 2011-2012 Partial Differential Equations (graduate), 2012-13, Theory of Operators (graduate),

Conferences and Workshops

Greek Conference in Analysis, Chania 2002, Technical University of Athens 2004

Two Days in Analysis, Department of Mathematics University of Crete, 2003, 2001, 2000

Seminar of Analysis, Department of Mathematics University of Crete, 2000, 2009

Advance Course on Ramsey Methods in Analysis, Bellatera C.R.M, Spain 2005.  
Set Theory Seminar of Equipe De Logique Mathematique, Univeriste Paris 7, 2005  
Banach space Theory: Classical topics and new directions, University of Extramadura, Spain. 2006.  
5 Days workshop in Banach space theory, Banff International Research Station, Canada 2012.  
Geometry of Banach spaces, Centre International de Rencontres Mathématiques, Luminy, Marseille 2012.