

Publications

I. Functional Analysis

1. Argyros, S., Bourgain, J. and Zachariades, T., A result on the isomorphic embeddability of $\ell_1(\Gamma)$, *Studia Mathematica*, (1984), 77-91.
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3. Negreponitis, S. and Zachariades, T., On universal separable reflexive stable spaces, *Bull. of the Greek Mathematical Society*, 26 (1985), 73-81.
4. Argyros, S., Negreponitis, S. and Zachariades, T., Weakly Stable Banach spaces, *Israel Journal of Mathematics*, 57 (1987), 68-88.
5. Kalamidas, N. and Zachariades, T., Universal embeddings of $\ell_1(\alpha)$ into the space of continuous functions on a product space, *Colloquium Mathematicum*, LVII, (1989), 225-264.
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8. Kutsarova, D., Nikolova, L. and Zachariades, T., Real interpolation for Families of Banach Spaces and Convexity, *Math. Nachr.* 171 (1995), 259-268.
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10. Nikolova, L. and Zachariades, T., Convexity and Smoothness in Real Interpolation for families of Banach Spaces, *Rocky Mountain Journal of Mathematics*, 29 (1999), 1085-1101.
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13. Nikolova, L., Persson L. E., and Zachariades, T., A study of some constants of Banach spaces. *C. R. Acad. Boulg. Sci.* 57 (2004), 5-8.
14. Nikolova, L., Maligrada, L., Persson L. E., and Zachariades, T., On n-th James and Khintchine constants of Banach spaces, *Mathematical Inequalities and Applications*, 11 (2008), 1-22.

15. Nikolova, L. and Zachariades, T., On ψ interpolation spaces, *Mathematical Inequalities and Applications*, 12 (2009), 827-838.
16. Nikolova, L. and Zachariades, T., On Edmunds-Triebel spaces, *Banach J. Math. Anal.* 4 (2010), 146-158
17. Zachariades, T. (accepted). On ℓ_ψ spaces and infinite ψ -direct sums of Banach spaces, *Rocky Mountain Journal of Mathematics*.

II. Mathematics Education

A. Journal Publications

18. Christou, C., Gagatsis, A. and Zachariades, T., The difficulty level of representations in mathematical relationships, *Scientia Paedagogica Experimentalis XXXVIII* (1) (2001), 25-38.
19. Christou, C., Pitta-Pantazi, D., Souyoul, A., and Zachariades, T., The embodied, proceptual and formal worlds in the context of functions. *Canadian Journal of Science, Mathematics and Technology Education*, 5(2) (2005), 241 - 252.
20. Pitta-Pantazi, D., Christou, C., and Zachariades, T., Secondary school students' levels of understanding in computing exponents. *Journal of Mathematical Behavior*, 26 (2007), 301 - 311.
21. Biza, I., Nardi, E. and Zachariades, T., Using tasks to explore teacher knowledge in situation-specific contexts, *Journal of Mathematics Teacher Education*, 10 (2007), 301- 309.
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23. Biza, I., Christou, C. and Zachariades, T., Student perspectives on the relationship between a curve and its tangent in the transition from Euclidean Geometry to Analysis. *Research in Mathematics Education*, 10 (2008), 53-70.
24. Elia, I., Gagatsis, A., Panaura, A., Zachariades, T. and Zoulinaki, F., Geometric and Algebraic approaches in the concept of limit and the impact of the didactic contract. *International Journal of Science and Mathematics Education*, 7 (2009), 765-790.
25. Biza, I., Nardi, E., and Zachariades, T., Teacher beliefs and the didactic contract on visualization. *For the Learning of Mathematics*, 29 (2009), 31-36.
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B. Conference Proceedings

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31. Mastoridis, E. and Zachariades, T., Secondary mathematics teachers' knowledge concerning the concept of limit and continuity. In M. J. Hoines and A. B. Fuglestad (Eds.), *Proceedings of the 28th International Conference of the International Group for the Psychology of Mathematics Education*, 4, 481-488. Bergen, Norway: Bergen University College, 2004.
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 41. Potari, D., Zachariades, T., Christou, C., Kyriazis, G., and Pitta-Pantazi, D., Teachers' mathematical knowledge and pedagogical practices in the teaching of derivative. Proceedings of the 5th Conference of European Research in Mathematics Education (CERME), 1955-1964. Larnaca, Cyprus, 2007. Available at: <http://ermeweb.free.fr/CERME5b/WG9.pdf>
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 48. Biza, I., Nardi, E., and Zachariades, T., Do images disprove but not prove? Teachers' beliefs about visualisation. In F. L. Lin, F. J. Hsieh, G. Hanna and M. d. Villiers (Eds.), Proceedings of the 19th Study of the International Commission on Mathematical Instruction: Proof and Proving in Mathematics Education (Vol. 1, pp. 59-64). Taipei. Taiwan, 2009.
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C. Publications in International Books

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53. Biza, I, Nardi, E. and Zachariades, T., (in press) Using situation-specific tasks to explore teacher mathematical knowledge and pedagogical beliefs: Examples from Algebra and Analysis. In V. Giraldo and T. Rogue (Eds), *Mathematics teachers' knowledge: Beyond the dichotomy between pedagogy and content*, Brazil.
54. Potari, D., and Zachariades, T., How do teachers refute students' invalid claim? In A. Gagatsis, T. Rowland, A. Panaoura and A. Stylianides (Eds.), *Mathematics education research at the University of Cyprus and the University of Cambridge: A symposium* (pp. 155-168). Nicosia, Cyprus.

D. Books from research projects

55. Christou, C., Sendova, E., Matos, J.F., Zachariades, T., Pitta-Pantazi, D., Mousoulides, N., Pittalis, M., Boytchev, P., Mesquita, M., Chehlarova, T., and Lozanov, C., *Stereometry activities with Dalesst*. Nicosia: University of Cyprus, 2007 (in Greek, English, Bulgarian, Portuguese).
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