

# Sotiris K. Ntouyas

## Curriculum Vitae

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### PERSONAL DATA

Place of Birth VERENIKI, IOANNINA, EPIRUS, GREECE  
Date of Birth February 26, 1950  
Address Department of Mathematics, University of Ioannina, 451 10 Ioannina, Greece

### EDUCATION

1968-1972 Department of Mathematics, University of Ioannina, Ioannina.  
Bachelor Degree in Mathematics

### PhD thesis

year 1980  
title BOUNDARY VALUE PROBLEMS FOR FUNCTIONAL DIFFERENTIAL EQUATIONS (*in Greek*)  
supervisor Professor YIANNIS SFICAS

### EMPLOYMENT HISTORY

1980-1985 Lecturer, University of Ioannina, Ioannina.  
1985-1992 Assistant Professor, University of Ioannina, Ioannina.  
1992-1998 Associate Professor, University of Ioannina, Ioannina.  
1998-2014 Professor, University of Ioannina, Ioannina.  
June 2015 Professor Emeritus, University of Ioannina, Ioannina, (Conferment of Title).

### PARTICIPATION IN RESEARCH GROUP

Nonlinear Analysis and Applied Mathematics (NAAM)-Research Group, Department of Mathematics, Faculty of Science, King Abdulaziz University, P.O. Box 80203, Jeddah 21589, Saudi Arabia.

### DISTINCTIONS-AWARDS

- The paper MOUFFAK BENCHOHRA, JOHNNY HENDERSON, SOTIRIS K. NTOUyas AND ABDELGHANI OUAHAB, Existence results for fractional order functional differential equations with infinite delay, *J. Math. Anal. Appl.* **338** (2008), 1340-1350, **Awarded as "Top Cited Article 2005-2010" by the Journal of Mathematical Analysis & Applications and Elsevier.**  
<http://www.math.uoi.gr/~sntouyas/JMAA-Award.pdf>
- Honorary Chair -with V. Lakshmikantham, USA , Xuerong Mao, UK, R. P. Agarwal, USA, J. H. Kim, S. Korea  
INTERNATIONAL CONFERENCE ON LOGIC, INFORMATION, CONTROL AND COMPUTATION, FEBRUARY 25-26, 2011,  
TAMIL NADU, INDIA  
<http://users.uoi.gr/sntouyas/ICLICC-2011.pdf>
- **2018 Highly Cited Researcher**
- **World's Top 2% Researcher in 2020, 2021 and 2022 (Stanford University Database)**

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## RESEARCH INTERESTS

- Initial and Boundary Value Problems for Differential Equations  
(*Ordinary, Functional, with deviating arguments, Neutral, Partial, Integrodifferential, Inclusions, Impulsive, Stochastic, Fractional*)
- Inequalities
- Asymptotic behavior
- Controllability

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## PUBLICATIONS

1. SOTIRIS K. NTOUYAS, A boundary value problem for second order functional differential equations, *Hiroshima Math. J.* **12** (1982), 453-468.
2. YIANNIS G. SFICAS AND SOTIRIS K. NTOUYAS, A boundary value problem for n-th order functional differential equations, *Nonlinear Anal.* **5** (1981), 325-335.
3. YIANNIS G. SFICAS AND SOTIRIS K. NTOUYAS, A boundary value problem for functional differential equations of neutral type, *Math. Nachr.* **110** (1983), 143-158.
4. YIANNIS G. SFICAS AND SOTIRIS K. NTOUYAS, A two point boundary value problem for neutral functional differential equations, *Proc. Roy. Soc. Edinburgh Sect. A* **94** (1983), 331-338.
5. SOTIRIS K. NTOUYAS AND YIANNIS G. SFICAS, On the asymptotic behavior of neutral functional differential equations, *Arch. Math. (Basel)* **41** (1983), 352-362.
6. GEORGE KARAKOSTAS AND SOTIRIS K. NTOUYAS, Boundary value problems and differentiability for neutral functional differential equations, *Rev. Roumaine Math. Pures Appl.* **31** (1986), 605-624.
7. SOTIRIS K. NTOUYAS, On a boundary value problem for functional differential equations, *Acta Math. Hungar.* **48** (1986), 87-93.
8. PANAGIOTIS CH. TSAMATOS AND SOTIRIS K. NTOUYAS, Neutral functional differential equations subject to mild integral conditions, *Appl. Anal.* **36** (1990), 235-247.
9. SOTIRIS K. NTOUYAS AND PANAGIOTIS CH. TSAMATOS, Existence of solutions of boundary value problems for functional differential equations, *Internat. J. Math. Math. Sci.* **14** (1991), 509-516.
10. PANAGIOTIS CH. TSAMATOS AND SOTIRIS K. NTOUYAS, Existence and uniqueness of solutions of a general type boundary value problem for second order functional differential equations, *J. Math. Anal. Appl.* **173** (1993), 3-17.
11. SOTIRIS K. NTOUYAS AND PANAGIOTIS CH. TSAMATOS, An integral delay inequality and its applications to boundary value problems, *Math. Nachr.* **157** (1992), 201-209; Erratum to the paper: An integral delay inequality and its applications to boundary value problems, *Math. Nachr.* **168** (1994), 299.
12. PANAGIOTIS CH. TSAMATOS AND SOTIRIS K. NTOUYAS, Existence of solutions of boundary value problems for differential equations with deviating arguments, via the topological transversality method, *Proc. Roy. Soc. Edinburgh Sect. A* **118** (1991), 79-89.
13. SOTIRIS K. NTOUYAS AND PANAGIOTIS CH. TSAMATOS, On well posedness of boundary value problems for differential equations with deviating arguments, *Funkcial. Ekvac.* **35** (1992), 137-147.
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15. SOTIRIS K. NTOUYAS, YIANNIS G. SFICAS AND PANAGIOTIS CH. TSAMATOS, An existence principle for boundary value problems for second order functional differential equations, *Nonlinear Anal.* **20** (1993), 215-222.
16. SOTIRIS K. NTOUYAS, YIANNIS G. SFICAS AND PANAGIOTIS CH. TSAMATOS, Existence results for initial value problems for neutral functional differential equations, *J. Differential Equations* **114** (1994), 527-537.
17. PANAGIOTIS CH. TSAMATOS AND SOTIRIS K. NTOUYAS, Boundary value problems for differential equations with deviating arguments, *Czechoslovak Math. J.* **44** (1997), 1-17.

18. SOTIRIS K. NTOUYAS AND PANAGIOTIS CH. TSAMATOS, On the solvability of a boundary value problem for a second order differential equation with deviating arguments, *Comm. Appl. Anal.*, **1** (1997), 525-538.
19. SOTIRIS K. NTOUYAS, YIANNIS G. SFICAS AND PANAGIOTIS CH. TSAMATOS, Boundary value problems for functional differential equations, *J. Math. Anal. Appl.* **199** (1996), 213-230.
20. SOTIRIS K. NTOUYAS AND PANAGIOTIS CH. TSAMATOS, Initial and boundary value problems for partial functional differential equations, *J. Appl. Math. Stochastic Anal.* **10** (1997), 157-168.
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22. SOTIRIS K. NTOUYAS AND PANAGIOTIS CH. TSAMATOS, Existence and uniqueness for second order boundary value problems, *Funkcial. Ekvac.* **38** (1995), 59-69.
23. SOTIRIS K. NTOUYAS AND PANAGIOTIS CH. TSAMATOS, Initial and boundary value problems for functional integro-differential equations, *J. Appl. Math. Stochastic Anal.* **7** (1994), 191 -201.
24. SOTIRIS K. NTOUYAS AND PANAGIOTIS CH. TSAMATOS, Initial and boundary value problems for functional differential equations of delay and neutral type, *Boll. Un. Mat. Ital. B* **8** (1995), 717-734.
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34. SOTIRIS K. NTOUYAS, Boundary value problems for neutral functional differential equations, *Boundary Value Problems for Functional Differential Equations*, World Scientific, 1995, pp. 239-249.
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*Proceedings of the Second World Congress of Nonlinear Analysts, Athens, Greece, 10-17 July, 1996.*
36. SOTIRIS K. NTOUYAS AND PANAGIOTIS CH. TSAMATOS, Global existence for semilinear evolution integrodifferential equations with delay and nonlocal conditions, *Appl. Anal.* **64** (1997), 99-105.
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42. SOTIRIS K. NTOUYAS AND PANAGIOTIS Ch. TSAMATOS, Global existence for second order semilinear ordinary and delay integrodifferential equations with nonlocal conditions, *Appl. Anal.*, **67** (1997), 245-257.
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44. SOTIRIS K. NTOUYAS AND PANAGIOTIS Ch. TSAMATOS, Fixed Point Theorems and Differential Equations (From classical...to modern) *Mathimatiki Epitheorisi* **42** (1994), 33- 93. (In Greek).
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46. SOTIRIS K. NTOUYAS, Initial and boundary value problems for functional differential equations via the topological transversality method: A survey, *Bull. Greek Math. Soc.*, **40** (1998), 3-41.
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49. SOTIRIS K. NTOUYAS, Global existence for Volterra functional integrodifferential equations, *Panamer. Math. J.*, **8** (1998), 37-43.
50. CHAITAN P. GUPTA SOTIRIS K. NTOUYAS AND PANAGIOTIS Ch. TSAMATOS, Existence results for multi point boundary value problems for second order ordinary differential equations, *Bull. Greek Math. Soc.* **43** (2000), 105-123.
51. MOUFFAK BENCHOHRA AND SOTIRIS K. NTOUYAS, Existence of mild solutions for certain delay semilinear evolution inclusions with nonlocal conditions, *Dynam. Systems Appl.* **9** (2000), 405-412.
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53. MOUFFAK BENCHOHRA AND SOTIRIS K. NTOUYAS, Existence of mild solutions on semiinfinite interval for first order differential equations with nonlocal conditions, *Comment. Math. Univ. Carolin.* **41** (2000), 485-491.
54. MOUFFAK BENCHOHRA AND SOTIRIS K. NTOUYAS, Existence of mild solutions on noncompact intervals to second order initial value problems for a class of differential inclusions with nonlocal conditions, *Comput. Math. Appl.* **39** (2000), 11-18.
55. MOUFFAK BENCHOHRA AND SOTIRIS K. NTOUYAS, Existence of mild solutions of semilinear evolution inclusions with nonlocal conditions, *Georgian Math. J.* **7** (2000), 221-230.
56. MOUFFAK BENCHOHRA AND SOTIRIS K. NTOUYAS, An existence result for second order functional differential inclusions, *Results Math.* **38** (2000), 9-17.
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66. MOUFFAK BENCHOHRA AND SOTIRIS K. NTOUYAS, Controlability on infinite time horizon for functional differential and integrodifferential inclusions in Banach spaces with nonlocal conditions, *Commun. Appl. Nonlinear Anal.* **8** (2001), 63-78.
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71. MOUFFAK BENCHOHRA AND SOTIRIS K. NTOUYAS, Existence of solutions for second order semilinear functional integrodifferential inclusions in Banach spaces, *An. Stiint. Univ. Al. I. Cuza Iasi, Ser. Noua, Mat.* **47** (2001), 153-164.
72. MOUFFAK BENCHOHRA AND SOTIRIS K. NTOUYAS, Controlability for infinite time horizon for second order differential inclusions in Banach spaces with nonlocal conditions, *J. Optim. Theory Appl.* **109** (2001), 85-98.
73. MOUFFAK BENCHOHRA AND SOTIRIS K. NTOUYAS, Controlability on infinite time horizon of differential and integrodifferential inclusions in Banach spaces with nonlocal conditions, *Annales Math. Univ. Sidi-Bel-Abbes* **7** (2000), 47-61.
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91. MOUFFAK BENCHOHRA AND SOTIRIS K. NTOUYAS, On first order impulsive semilinear differential inclusions, *Comm. Appl. Anal.* **7** (2003), 349-358.
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