

Research and Education Program Activities



-
1. **1980-82:** Principal Investigator (P.I.) of an N.S.F. grant, Applied Mathematics Division (USA).
 2. **1983-84:** P.I. of a Department of Energy (D.O.E.) grant, Division of Mathematical Sciences (USA).
 3. **1984-85:** P.I. of a D.O.E. grant from the Division of High Energy Physics, and one from Engineering and Mathematical Sciences (USA).
 4. **1985-86:** P.I. of an N.S.F. grant, Mathematical Sciences Division.
 5. **1985-87:** P.I. of a continuation grant from D.O.E., Division of High Energy Physics, on the "Application of Nonlinear Dynamics to the Beam-Beam Interaction".
 6. **1988-90:** P.I. of a grant on the "Applications of Nonlinear Dynamics to Josephson Junctions", Greek Ministry of Industry, Energy and Technology, Secret. Gen. of Research and Technology.
 7. **1989-91:** P.I. of a grant from the E.E.C., Science-Stimulation Program, on "Chaotic Behavior of Classical Mechanical Systems".
 8. **1990-:** University of Patras Representative in 2 "Erasmus" ICP Programs, coordinated by Prof. Sp. Pnevmatikos, University of Crete and Prof. G. Nicolis, ULB, Belgium.
 9. **1993-96:** Participant in 3 Networks of Laboratories entitled "Nonlinear Phenomena and Complex Systems", "Coherent Structures and Fluctuating Processes in Condensed Matter and Optical Physics" and "Nonlinear Problems in Beam Dynamics and Transport", funded by the "Human Capital and Mobility" program of the EEC.
 10. **1993-96:** P.I. of a grant on "Applications of Chaotic Dynamics to Meteorology and Biology", Greek Ministry of Industry, Energy and Technology, General Secretariat of Research and Technology (GSRT).
 11. **1996-98:** P.I. of a grant on "Theory of Chaos and Complexity of Nonlinear Systems", GSRT, Greek Ministry of Development.
 12. **1999-2001:** P.I. of a PENED grant on "Applications of Nonlinear Dynamics to Biological and Biochemical Systems". Greek Ministry of Development, General Secretariat of Research and Technology (GSRT).
 13. **2000-01:** Supervisor of Marie Curie Fellowship by Dr. Elka Yankulova on "Dimensional and Genetic Analysis of Drosophila Cardiac Function", EEC, European Research programme on "Quality of Life and Management of Living Resources".
 14. **2000-02:** P.I. of a Research Exchange Programme between Greece and China on "Applications of Nonlinear Dynamics to Biology and DNA Sequences", Greek Ministry of Development, GSRT.

15. **2001-03:** P.I. of a Research "Caratheodory" Programme of the University of Patras entitled "Chaotic Dynamics and Statistical Analysis of Multidimensional Nonlinear Systems", supporting the post-doctoral fellow Dr. Charalampos Skokos.
16. **2002-05:** P.I. of a Research grant of the "HERAKLEITOS" Programme of the Greek Ministry of Education, supporting the doctoral candidate Mr. Christos Antonopoulos.
17. **2005-07:** P.I. of a Research grant of the "PYTHAGORAS II" Programme of the Greek Ministry of Education, supporting the post – doctoral candidate Mr. Vassilios Basios.
18. **2004-2005:** Representative of Greece in an ERA –NET (European Research Area Network) Specific Support Action Programme on "COMPLEXITY".
19. **2006-2008:** Representative of Greece in an ERA –NET (European Research Area Network) Coordinated Action Programme on "COMPLEXITY".
20. **2006-2008:** P.I. of a Research Exchange Programme between Greece and Egypt on "Mathematical Study and Applications of Control and Synchronization in Nonlinear Oscillators". Greek Ministry of Development, GSRT.
21. **2007-2009:** P.I. of a Research Exchange Programme between Greece and Egypt on "Mathematical Study and Applications of Control and Synchronization in Nonlinear Oscillators", Greek Ministry of Development, GSRT.