

## CURRICULUM VITA

### ALKIS S. TERSENOV

**Personal data:** Date of birth: 17 June 1963  
Place of birth: Novosibirsk, Russia  
Nationality: Greek  
Marital status: married, with 3 children

**Office Address:** Department of Mathematics, University of Crete,  
714 09 Heraklion Crete, GREECE  
El. Mail: [tersenov@math.uoc.gr](mailto:tersenov@math.uoc.gr)  
Telephone: +30 2810 393 873

**Ph.D. in Mathematics:** 1991 Novosibirsk State University, Thesis advisors:  
Prof. V.N. Monakhov, Prof. A.V. Kazhikhov.

**Doctor of Sciences:** 2004 Novosibirsk State University.

**Research Interests:** Partial differential equations, Theoretical continuum mechanics.

**Academic Positions:** 1984 – 1993 Researcher in the Lavrentyev Institute of Hydrodynamics.  
1991 – 1993 Assistant Professor in the Novosibirsk State University.  
1993 – 1996 Visiting Assistant Professor in the University of Crete.  
1996 – 2002 Assistant Professor in the University of Crete.  
2002 – 2008 Associate Professor in the University of Crete.  
2008 – till now Professor in the University of Crete.

#### Teaching:

**Under Graduate:** Novosibirsk State University: Complex Analysis, Partial Differential Equations

University of Crete: Partial Differential Equations, Ordinary Differential Equations, Calculus, Functional Analysis, Complex Analysis

University of Cyprus: Calculus.

**Post graduate:** University of Crete: Navier-Stokes Equations, Partial Differential Equations, Partial Differential Equations – Weak Solutions, Boundary Layer Theory – Prandtl Equations

#### Supervisor of graduate students (Master Thesis):

E.Milakis, Boundary value problems for quasilinear ODE's, **Nonlinear Analysis** 60 (2005) N.1, p. 149 – 162.

#### Referee in:

1. Journal of Evolution Equations
2. Journal of Mathematical Analysis and Applications
3. Siberian Mathematical Journal

4. Journal of Mathematical Fluid Mechanics
5. Journal of the Franklin Institute
6. Applied Mathematics Letters
7. Communications in Mathematical Analysis
8. Proceedings of Edinburgh Mathematical Society
9. Computers and Mathematics with Applications
10. Reviewer for AMS Mathematical Reviews

## Publications:

### 1985

- [1] Al.S.Tersenov, On the problem of outflow of viscous gas in vacuum, **Dinamika Sploshnoi Sredy** (Dynamics of Continuous Media **DSS**), 69 (1985), 82-95, Novosibirsk, Lavrentyev Institute of Hydrodynamics (LIH) (Russian).

### 1987

- [2] Al.S.Tersenov, On a model system in dynamics of viscous compressible gas, **DSS**, 83 (1987), 150-157, Novosibirsk, LIH (Russian).

### 1989

- [3] Al.S.Tersenov, The problem of continuity of boundary layer for nonhomogeneous incompressible liquid, **DSS**, 93 (1989), 143-150, Novosibirsk, LIH (Russian).

### 1991

- [4] Al.S.Tersenov, Apriori estimate of the gradient of solutions for some multidimensional parabolic and ultraparabolic equations, **DSS**, 101 (1991), 113-124, Novosibirsk, LIH (Russian).

### 1993

- [5] Al.S.Tersenov, Generalized solution of the problem of continuity of nonstationary boundary layer with constant velocity of external flow, **DSS**, 107 (1993), 134-148, Novosibirsk, LIH (Russian).

### 1994

- [6] Al.S.Tersenov, Apriori estimate for a class of degenerated parabolic and ultraparabolic equations, (Russian) **Dokl. Akad. Nauk** **338** (1994), [n. 2](#), 168-170, *translation in Russian Acad. Sci. Dokl. Math. v.50 (1995), [n. 2](#), 224-228.*

### 1995

- [7] Al.S.Tersenov, On a class of quasilinear equations of elliptic type, (Russian) **Sibirsk. Mat. Zh.** **36** (1995), [no. 4](#), 893-902, *translation in Siberian Math. J. **36** (1995), [no. 4](#), 770-779.*

### 1996

- [8] Al.S.Tersenov, On a class of degenerated non-uniformly parabolic equations, (Russian) **Vestnik Moskov. Univ. Ser. I Mat. Mekh. v.51** (1996), [n. 6](#), 94-97, *translation in **Moscow Univ. Math. Bull.** v. **51** (1996), [no. 6](#), 63-65 (1997).*

### 1998

- [9] Al.S.Tersenov, On quasilinear non-uniformly parabolic equations in general form, **J. Differential Equations**, v.142 n.2,(1998), p.263-276.

- [10] Al.S.Tersenov, On quasilinear non-uniformly elliptic equations in some non-convex domains,

**Comm. Partial Differential Equations**, v.23 (1998), n.11-12, pp. 2165-2186.

## 2000

[11] Al.S.Tersenov, On the first boundary value problem for quasilinear parabolic equation with two independent variables, **Arch. Ration. Mech. Anal.** v.152 n.2 (2000), pp. 81-92.

## 2001

[12] Al.S.Tersenov, Ar.S.Tersenov, Global solvability for a class of quasilinear parabolic problems, **Indiana Univ. Math. J.** v.50 n.4 (2001), pp. 1899-1913.

## 2002

[13] Al.S.Tersenov, Estimate of the solution of the Dirichlet problem for parabolic equations and applications, **J. Math. Anal. Appl.** v.273 n.1 (2002), pp. 206-216.

## 2003

[14] J.-G. Caputo, N. Flytzanis, Al.S.Tersenov and E. Vavalis, Analysis of a semi-linear PDE for modelling static solutions of Josephson junctions, **SIAM J. Math. Anal.**, 34 n.6 (2003), pp. 1355 – 1378.

[15] Al.S.Tersenov, Ar.S.Tersenov, The Cauchy problem for a class of quasilinear parabolic equations, **Ann. Mat. Pura Appl.**, v.182, n.3 (2003), pp. 325 – 336.

## 2004

[16] Al.S.Tersenov, Nonexistence of nontrivial solutions for a class of boundary value problems, (Russian) **Differ. Urav.** v.40 (2004) n.10, *translation in* **Differ. Equ.** v. 40 (2004) n.10, 1478 – 1482.

[17] Al.S.Tersenov, The Dirichlet problem for a class of quasilinear elliptic equations, (Russian) **Mat. Zametki** v. 76 (2004), n. 4, 592—603, *translation in* **Math. Notes** v.76 (2004), n. 3-4, 546-557.

[18] Al.S.Tersenov, Ar. Tersenov, On the Bernstein-Nagumo's condition in the theory of nonlinear parabolic equations, **J. Reine Angew. Math.** v.572 (2004), pp. 197 – 217.

[19] Al.S.Tersenov, The preventive effect of the convection and of the diffusion in the blow-up phenomena for parabolic equations, **Ann. Inst. H. Poincare, Annal. Non Lineaire**, v.21, n.4 (2004), pp. 533 – 541.

## 2005

[20] Al.S.Tersenov, Ultraparabolic equations and unsteady heat transfer, **J. Evol. Equ.**, v.5 n.2 (2005), 277 – 289.

## 2007

[21] Al.S.Tersenov, Ar.S.Tersenov, Viscosity solution of p-Laplace equation with nonlinear Source, **Arch. Math.** v. 88, n.3 (2007), 259 - 268.

[22] Al.S.Tersenov, Ar.S.Tersenov, The problem of Dirichlet for anisotropic quasilinear degenerate elliptic equations, **J. Differential Equations** v. 235, n.2 (2007), 376 - 396.

[23] Al.S.Tersenov, Space dimension can prevent the blow-up of the solutions for parabolic Problems, **Electron. J. Differential Equations** 2007, n. 165, 1 - 6.

**2008**

- [24] Al.S.Tersenov, Ar.S.Tersenov, The problem of Dirichlet for evolution one dimensional p-Laplacian with nonlinear source, **J. Math. Anal. Appl.**, v.340 (2008), pp. 1109 - 1119.

**2009**

- [25] Al.S.Tersenov, The problem of Dirichlet for second order semilinear elliptic and parabolic equations, **Differ. Equ. Appl.**, in press.

**Submitted**

- [26] V.N.Starovoitov, Al.S.Tersenov, Singular and degenerate p-Laplace and pseudo p-Laplace equations with nonlinear source.