

1. Personal information

Name and surname: TĂRNICERIU Carmen Oana

Date and place of birth: April 11, 1977, Rădăuți, Romania

Present academic position: Researcher (Department of Sciences, „Alexandru Ioan Cuza” University, Iași, Romania)

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2. Education

2003-2008 Ph.D. studies at “Alexandru Ioan Cuza” University, Iași, Romania)

2000-2002 Master in Science, “Alexandru Ioan Cuza” University, Iași, Romania
(*Master in science* degree in Mathematics)

1996-2000 Faculty of Mathematics, “Alexandru Ioan Cuza” University, Iași, Romania
(*Bachelor of science* degree in Mathematics)

1991-1995 “Eudoxiu Hurmuzachi”, High School, Rădăuți, Romania

3. Research work

1. Stabilization for a periodic predator-prey system, in collaboration with S. Anita, “Abstract and Applied Analysis”, volume 2007;
2. Optimal Control for a Class of Size-Structured Systems, in collaboration with V.M.Veliov „Lecture Notes in Computer Science”, volume 4818, Springer Verlag, 2008
3. Asymptotic behavior for a nonlinear age-structured population model with diffusion, „Analele Stiintifice ale Universitatii Al. I. Cuza Iasi”, fasc. 2 (Tomul LIV), 2008 Aurelia
4. Optimal Strategy for a Harvesting Problem of Population Dynamics with Logistic Term, „Analele Stiintifice ale Universitatii Al. I. Cuza Iasi”, 56 (fasc I), 2010, 25-38.
5. Analysis of Synchronization in a Neural Population by a Population Density Approach, in collaboration with A. Garenne, J. Henry, Math. Model. Nat. Phenom. Vol. 5, No. 2, 2010, pp. 5-25
6. Numerical Optimal Control of Size-Structured Populations, K. Georgiev, in collaboration with V.M.Veliov, available on <http://bis-21pp.acad.bg/results/results.htm>

4. Research interests

Mathematical models of physiological structured populations; Mathematical Neuroscience

Ph.D. Researcher Carmen Oana Tarniceriu