

CURRICULUM VITAE

Dragos-Patru Covei

Date of Birth: *the 8th December 1977;*

Place of Birth: *Bumbesti-Jiu, Romania;*

Nationality: *Romanian;*

Professional Address: Department of Mathematics, University Constantin Brancusi of Targu-Jiu, Bulevardul Republicii, Nr. 1, 210152, Targu-Jiu, Gorj, Romania;

Personal Address: *Aleea Mioriței, Bl. 3, Ap. 2, Tg-Jiu, Gorj, Romania*

E-mail: coveidragos@yahoo.com;

Married: *since 2003;*

Children: *Daria, born in 2004;*

I. Education:

1) 1997-2001, BS Faculty of Mathematics and Informatics, University of Craiova, specialization: Mathematics. Graduation thesis: Dedekind Rings (*Bachelor Thesis Advisor: Professor Alexandru Dinca*);

2) 2001-2002, M. Sc. Faculty of Mathematics and Informatics, University of Craiova, specialization in Algebra-Geometry. Graduation Thesis: Integrable Distributions (*Thesis Advisor: Professor Petre Stavre*);

3) 2005-2007, M. Sc. Faculty of Engineering, University Constantin Brancusi of Targu-Jiu, specialization: *Information and Communication Technology*. Graduation Thesis: *C and Applications* (*Thesis Advisor: Associate Professor Madalina Roxana Buneci*);

4) 2005-2007, M. Sc. Faculty of Mathematics and Informatics, West University of Timisoara, specialization Informatics. Graduation thesis: Newton's method for solving the nonlinear equations (*Thesis Advisor: Professor Stefan Maruster*).

II. Some important results:

1. I passed with 10 the mathematics high school graduate exam;

2. I was matriculated to the BS Faculty of Mathematics and Informatics from the University of Craiova in 1.10.1997 in the mathematics domain. For that I had an examination and I passed it with 9,11.

3. I obtained 9,20 to the graduate exam of the BS Faculty of Mathematics and Informatics from the University of Craiova.

III. Doctor's degree:

I was matriculated to the doctor's degree in 1.10.2003 to the Faculty of Mathematics and Informatics from the University of Craiova in the mathematics domain. For that I had an examination on 22.09.2003 and I passed it with 10.

The names of the passed examinations from the doctor's degree preparation time:

- 1) The applied functional analysis. The obtained result: VERY WELL
- 2) The boundary nonlinear problems. The obtained result: VERY WELL
- 3) The variational methods in the partial differential equations study. The obtained result: VERY WELL

Doctor's degree transfer

In 09.07.2007 I have transferred to the Faculty of Mathematics and Informatics, West University of Timisoara.

The names of the holded papers from the doctor's degree preparation time:

- 1) Existence results for semilinear boundary value problems;
- 2) Applications to the critical point theory in the study of quasilinear problems;
- 3) The maximum principle and applications.

Buneci

The theme of the doctor's degree

The contributions in the study of the semilinear and quasilinear boundary value problems.

The time limit of the thesis

15.09.2009

IV. Research Interests:

My research is mainly concerned with semilinear and quasilinear elliptic problems.

V. Publications:

Books (lecture notes)

1. D.P. Covei, G. Caralicea-Marculescu, V. Lupulescu, *Mathematics-for pedagogical school teachers*, Sitech, Craiova, Romania, 2005, ISBN: 973-944-1; (157 pp.)

2. D.P. Covei, G. Caralicea-Marculescu, D.E. Danacica, *Statistics-for physical training and sport*, Ager, Tg-Jiu, 2005, Romania, ISBN: 937-8086-00-0; (132 pp.)

Articles published in ISI classified journals

1. D. P. Covei, *Existence and asymptotic behavior of positive solution to a quasilinear elliptic problem in R^N* , Nonlinear Analysis, T.M.A., (2007), DOI 10.1016/j.na.2007.08.039;

2. D.P. Covei, *Non-existence result of radially symmetric solutions to the Lane-Emden-Fowler equations*, Nonlinear Analysis, T.M.A., (2007), doi:10.1016/j.na.2007.12.013;

3. D.P. Covei, *Large and entire large solution for a quasilinear problem*, Nonlinear Analysis, T.M.A., (2007), 10.1016/j.na.2008.02.057;

Articles published in other foreign journals

1. D.P. Covei, *Existence and uniqueness of positive solutions to a quasilinear elliptic problem in R^N* , Electronic Journal of Differential Equations, Vol. 2005(2005). No. 139, pp 1-15;

VI) Participation in conferences

1) International Conference on Theory and Applications of Mathematics and Informatics ICTAMI 2005, September 15 - 18, 2005, Alba Iulia, Romania;

2) International Conference - Several aspects of biology, chemistry, computer science, mathematics and physics, November 11-13, 2005, Oradea, Romania;

3) The 4th International Colloquium Mathematics in Engineering and Numerical Physics, October 6-8, 2006, București, Romania;

4) OMA 2006 (Operator Models and Applications), Timisoara, 29 June-4 July, 2006-

5) Equadiff 2007, Vienna University of Technology, August 5-11, 2007, Vienna, Austria; <http://atlas-conferences.com/c/a/u/m/48.htm>.

VII. The conferences when I have received grants from the organizers:

1) Discontinuous change in behavior issues in partial differential equations, Euroconferences in Crete, June 10-16, 2006, Crete, Greece;

3.04.2008

Dragos-Patru Covei

D. Covei