

# CURRICULUM VITAE

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## EDUCATION:

- 2005–present: Ph.D student in Mathematics, "*Topological Methods in the Study of Boundary Value Problems*", University of Craiova; scientific advisor: Professor *Vicențiu Rădulescu*.
- 2004–2006: M.S. in Mathematical Analysis, "*Dynamical Systems and Problems of Evolution*", University of Craiova, Romania.
- 1999–2003: B.S. in Mathematics - Faculty of Mathematics and Computer Science, University of Craiova, Romania.
- 1995–1999: "Carol I" National College, Craiova, specialization in Mathematics and Physics.

### PRIZES AND SKILLS:

- scholarships from University of Craiova during the entire period of studies (B.S., M.S. and Ph.D).
- Erasmus-Socrates scholarship at University of Aveiro, Portugal (March 2003–May 2003).
- leader of the students from the Faculty of Mathematics and Computer Sciences, and representative in the Senate of the University of Craiova (2000-2003).

### PROFESSIONAL EXPERIENCE AND ACTIVITIES:

- Ph.D student employed at the Faculty of Mathematics and Computer Sciences, University of Craiova (2005–2008).
- taught mathematics at "Carol I" National College – Craiova (2006).
- taught mathematics at G.S. "Dimitrie Filiașanu" – Filiași (2003–2005).
- got involved in several evaluation processes for inter-districts mathematical competitions as "Ion Ciolac", "Gheorghe Dumitrescu", "Louis Funar".
- presented several papers at pedagogical meetings ("One problem, several solutions", "Mathematics, between routine and creativity", "Change in the Romanian educational system").

### QUALIFICATIONS:

- graduated the course for the use of UnivTest "New e-learning methodologies" (2008).
- passed the exam for permanent teacher certification (2005).
- graduated the course "Use of A.E.L. 4.0 system- educational system for high schools" (2004).
- graduated the course "Individual learning and the integration of children with special educational needs".

### SUMMER-SCHOOLS:

- Bucurarest–2005, graduated the courses "*Regularity of Solutions of Second Order Elliptic Equations and Applications to Dirichlet Problem*" (prof. **Laurent Veron**) și "*Fine Properties of Functions*" (prof. **Petru Mironescu**).

## PUBLICATIONS

- [1. ] **M.M. Boureanu**, Uniqueness of singular radial solutions for a class of quasilinear problems, *Bull. Belg. Math. Soc. Simon Stevin*, to appear.
- [2. ] **M.M. Boureanu**, On the existence and nonexistence of positive entire large solutions for semilinear elliptic equations, *An. Șt. Univ. Ovidius Constanța*, to appear.
- [3. ] **M.M. Boureanu**, Entire large solutions for logistic-type equations, *Annals of the Univ. Craiova*, to appear.
- [4. ] **M.M. Boureanu** and **A. Matei**, Weak solutions for antiplane models involving elastic materials with degeneracies, *Zeitschrift für Angewandte Mathematik und Physik (ZAMP)*, to appear.
- [5. ] **M.M. Boureanu** and **M. Mihăilescu**, Existence and multiplicity of solutions for a Neumann problem involving variable exponent growth conditions, *Glasgow Math. J.*, **50** (2008), 565–574.
- [6. ] **M.M. Boureanu**, Existența soluțiilor slabe netriviiale pentru o clasă de probleme la limită neomogene, *Proc. Nat. Session of Stud. Scientific Comm.*, Iasi, 2007, 39–46.
- [7. ] **M.M. Boureanu**, Fraternization in ... Mathematics, *Proc. Intern. Conf. of Young Scientists, affiliated to CASC 2006*, Kisinev, Moldovian Republic, 2006, 9–15.
- [8. ] **M.M. Boureanu**, Existence of solutions for an elliptic equation involving the  $p(x)$ -Laplace operator, *Electron. J. Diff. Eqns.*, **2006** (2006), no. 97, 1–10.

## CITED PAPERS

[8. ] was cited twice, by:

1. **K. Kurata** and **N. Shioji**, Compact embedding from  $W_0^{1,2}(\Omega)$  to  $L^{q(x)}(\Omega)$  and its application to nonlinear elliptic boundary value problem with variable critical exponent, *Journal of Mathematical Analysis and Applications*, **339**, (2008), 1386–1394.
2. **M. Chermisi** and **E. Valdinoci**, Fibered nonlinearities for  $p(x)$ -Laplace equations, preprint, <http://arxiv.org/abs/0808.1835>, 2008 - arxiv.org.

## PRESENTATIONS AT NATIONAL AND INTERNATIONAL CONFERENCES

1. *International Conference on Mathematics and IT: Research and Education (MITRE 2008)*, 1-4 October 2008, Kisinev, Moldovian Republic, the communication entitled "Positive entire large solutions for semilinear elliptic equations".
2. *National Session of Student Scientific Communications "Alexandru Myller"*, Iasi, july-2008, the communication entitled "Existența și unicitatea soluțiilor pentru o clasă de probleme eliptice quasiliniare".
3. *National Session of Student Scientific Communications*, Iasi, iulie-2007, the communication entitled "Existența soluțiilor slabe netriviiale pentru o clasă de probleme la limită neomogene".
4. *CERCMS International Conference of Young Scientist affiliated to the International Conference "Computer Algebra in Scientific Computing-2006"*, the communication entitled "Fraternization in ... Mathematics".
5. *National Session of Student Scientific Communications*, Iasi, iulie-2006, the communication entitled "Existența soluțiilor pentru o ecuație eliptică cu  $p(x)$  – Laplacean".

## RESEARCH GRANTS :

- member at CNCSIS Grant PNII-79/2007 "Degenerate and Singular Nonlinear Processes", Director: **Vicențiu Rădulescu**.