

PERSONAL INFORMATION

Uță Vasile-Florin



📍 Mihai Eminescu, 2, Cetate, România (Romania)

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WORK EXPERIENCE

01/10/2019–present

Assistant professor

Department of Mathematics, Faculty of Sciences, University of Craiova, Craiova (Romania)

Subjects:

- Computers Programming (Laboratory);
- Advanced Programming (Laboratory)
- Algebraic Fundamentals of Informatics (Seminar)
- Algorithms and Data Structures (Course/Seminar)
- Databases (Laboratory)
- Web Programming (Laboratory)
- Partial Differential Equations (Course/Seminar)
- Functional Analysis and Approximation Theory (Course/Seminar)
- Analytic Geometry (Seminar)
- Geometry of Curves and Surfaces (Seminar)
- Object Oriented Programming (Laboratory)
- Ordered Algebraic Structures (Seminar)

EDUCATION AND TRAINING

01/10/2015–12/03/2019

Ph. D. Degree- Doctor in Mathematics

Doctoral School of Exact Sciences, University of Craiova, Craiova (Romania)

Principal Subjects:

- Partial Differential Equations,
- Functional Analysis, Nonlinear Analysis.

Ph. D. Thesis: Qualitative analysis for some classes of nonlinear elliptic problems

Scientific Advisor: Prof. Vicențiu Rădulescu

10/2013–07/2015

Master in Applied Mathematics

University of Craiova, Craiova (Romania)

Dissertation Diploma: Metode calitative în studiul problemelor eliptice neliniare

Specialization: Applied Mathematics

- 10/2010–07/2013 **Bachelor Degree**
 Faculty of Exact Sciences, University of Craiova, Craiova (Romania)
 Graduation thesis: Integrabilitatea în raport cu o măsură
 Specialization: Mathematics-informatics
- 09/2006–06/2010 **High School Graduation**
 "Gheorghe Magheru" High School, Cetate (Romania)
 Specialization: Natural Sciences

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Interlingua Center for Modern Languages Certificate					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages - Self-assessment grid

- Communication skills
- good communication skills acquired through my experience in teaching practice
- Organisational / managerial skills
- good organizational skills gained as teaching assistant
 - team work (team projects over the years of study and research work as a ph. d. student)
 - attention to details
 - taking charge when needed
- Digital skills
- advanced knowledge of PC Microsoft Office™
 - advanced knowledge of mathematical editor Latex
 - good knowledge of programming languages (C/C++, Java)
 - good knowledge in databases administration (MySQL)
 - intermediate knowledge of mathematical software (Maple, Matlab)
- Other skills
- I can easy adapt to different situations
 - I can easily fit into new groups
- Driving licence B

ADDITIONAL INFORMATION

- Publications
- I. Stîrcu, V. F. Uță, Characterization of solutions to equations involving the $p(x)$ -Laplace operator, Electron. J. Differential Equations, Vol. 2017 (2017), No. 273, pp. 1-16.
 - V.F. Uță, Ground state solutions and concentration phenomena in nonlinear eigenvalue problems with variable exponents, Annals of the University of Craiova, Mathematics and Computer Science Series 45 (2018), No.1, 122-136.

- V.F. Uță, Standing wave solutions of a perturbed Schrödinger equation in an Orlicz-Sobolev space setting, Annals of the University of Craiova, Mathematics and Computer Science Series 45 (2018), No. 2, 290-303.
- V.F. Uță, Multiple solutions for eigenvalue problems involving an indefinite potential and with $(p_1(x); p_2(x))$ balanced growth, Analele Științifice ale Universității „Ovidius” Constanța Seria Matematica, **27** (2019), No. 1, 289-307.
- V.F. Uță, Existence theorems for degenerate Schrödinger equations involving a singular potential and an indefinite sign perturbation, Annals of the University of Craiova, Mathematics and Computer Science Series, 46(1), 2019, 203-217.
- V.F. Uță, On the existence and multiplicity of eigenvalues for a class of double-phase non-autonomous problems with variable exponent growth, Electron. J. Qual. Theory Differ. Equ. **2020**, No. 28, 1-22.
- Uță, Vasile Florin: Existence and multiplicity of eigenvalues for some double-phase problems involving an indefinite sign reaction term, Electron. J. Qual. Theory Differ. Equ. 2022, No. 5, 1-22.
- V.F. Uță, Existence and Multiplicity Results for Anisotropic Double-Phase Differential Inclusion with Unbalanced Growth and Lack of Compactness, *Mediterr. J. Math.* (2023) **20**:267.
- G. M. Lăchescu , V.F. Uță, On the properties of strongly hd convex functions, Annals of the University of Craiova, Mathematics and Computer Science Series Volume 51(2), 2024, Pages 551–560, DOI: 10.52846/ami.v51i2.2026.
- V.F. Uță, On the set of eigenvalues for some classes of coercive and noncoercive problems involving $(2,p(x))$ -Laplacian-like operators, Electron. J. Qual. Theory Differ. Equ. 2025, No. 31, 1-21. DOI: <https://doi.org/10.14232/ejqtde.2025.1.31>.

Other activities

- I attended to the “Regional Romanian-French Summer School in Applied Mathematics” held in Sinaia, Romania, June 29-July 7, 2016
- I attended to the Summer School in Applied Mathematics “Modélisations de la deformation des cristaux. Processus auto-similaires”, Sinaia, Romania, July 3-July 11, 2017.
- I attended to “EVRKA Workshop” for young researchers with the talk “*Despre existența și multiplicitatea valorilor proprii pentru o clasă de probleme cu fază dublă care implică operatori noi de tipul $(p_1(x); p_2(x))$ -Laplacian*”, organized by the Doctoral School of Sciences, University of Craiova and Center of Nonlinear Analysis and Applications, Faculty of Sciences, Craiova, Romania, May 26-27, 2022.
- I attended to “International Conference on Applied Mathematics and Numerical Methods” with the talk: “Eigenvalue problems for nonlinear elliptic equations involving $(p_1(x); p_2(x))$ -Laplacian-like operators”, organized by the Department of Applied Mathematics, Faculty of Sciences, University of Craiova, Craiova, Romania, October 25-26,
- I have occasionally taught the courses or seminars of: Mathematical Analysis I, Partial Differential equations, Functional Analysis and Approximation Theory at the University of Craiova.

Grants

- Nonlinear Differential Systems in Applied Sciences, PNRR-C9-I8 nr. CF 22/14.11.2022, Director: Prof. univ. dr. Vicențiu Rădulescu.

Referee

I acted as a referee for the following journals:

- Advances in Nonlinear Analysis
- Arab Journal of Mathematical Sciences
- Boundary Value Problems
- Complex Variables and Elliptic Equations
- Discrete and Continuous Dynamical Systems
- Mediterranean Journal of Mathematics
- Rendiconti del Circolo Matematico di Palermo
- Journal of Mathematics and Applications (JMA)

- Prizes**
- UEFISCDI award for scientific results of papers published in 2017 for the paper: I. Stîrcu, V. F. Uță, Characterization of solutions to equations involving the $p(x)$ -Laplace operator, Electron. J. Differential Equations, Vol. 2017 (2017), No. 273, pp. 1-16.
 - UEFISCDI award for scientific results of papers published in 2020 for the paper: V.F. Uță, On the existence and multiplicity of eigenvalues for a class of double-phase non-autonomous problems with variable exponent growth, Electron. J. Qual. Theory Differ. Equ. **2020**, No. 28, 1-22.

Data: 01.10.2025

Asist. univ. dr.
Vasile-Florin Uță

