

## PERSONAL INFORMATION

## Uță Vasile-Florin



 Mihai Eminescu, 2, Cetate, România (Romania)

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 uta.vasi@yahoo.com

## 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.
- Uța, 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: 28.05.2026

Asist. univ. dr.  
Vasile-Florin Uță

