

a) Lista publicații:

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. G. M. Lăchescu , V.F. Uță, On the properties of strongly h_d 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.
10. 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>.

b) Teză de doctorat:

1. Qualitative analysis for some classes of nonlinear elliptic problems

Coordonator Științific: Prof. univ. dr. Vicențiu Rădulescu

Data

28.05.2026

Semnatura

A handwritten signature in blue ink, appearing to read 'Vic. Rădulescu', is written over the 'Semnatura' label.