

ANDREI GRECU

1 Coordinates

- *Correspondence address:* Department of Mathematics, 13 A. I. Cuza, 200585 Craiova, Romania
- *E-mail address:* andreigrecu.cv@gmail.com
- *Personal web page:* <https://sites.google.com/view/andreigrecu-ucv/home>

2 Education

- 2018-present **Ph.D. student** at the University of Craiova with the title of thesis *The Variational Analysis of some Classes of Partial Differential Equations*. Supervisor: Mihai Mihăilescu.
- 2016-2018 **M. Sc.** at the University of Craiova with the graduation thesis *The study of an eigenvalue problem involving the p -Laplace operator and a nonlocal term*. Supervisor: Mihai Mihăilescu.
- 2013-2016 **B. Sc.** at the University of Craiova with the graduation thesis *Brouwer's Fixed Point Theorem and Applications*. Supervisors: Mihai Mihăilescu & Denisa Stancu-Dumitru.
- 2013 **High School Graduate**, *Ștefan Odobleja High School* of Craiova.

3 Fields of interest

- elliptic PDE's; calculus of variations; critical point theory; nonlinear analysis.

4 Foreign Languages

- English - intermediate.

5 Summer schools

- **Ecole d'été régionale franco-roumaine en mathématiques appliquées**, July 2-10, 2018, Sinaia, Romania
- **Ecole d'été régionale franco-roumaine en mathématiques appliquées**, July 3-11, 2019, Sinaia, Romania

6 Conferences, workshops, talks

- **Workshop for Young Researchers in Mathematics**, 8th Edition, May 17-18, 2018, IMAR, Bucharest, Romania (with the talk: *An eigenvalue problem involving the p -Laplace operator and a nonlocal term*).

<http://math.univ-ovidius.ro/Workshop/2018/WYRM/>

- **International Conference on Applied Mathematics and Numerical Methods (ICAMNM) - second edition**, October 19-20, 2018, University of Craiova, Romania (with the talk: *The limiting behaviour of solutions to a family of eigenvalue problems*).

<http://cis01.central.ucv.ro/ICAMNM/?Programme>

- **Atelier de travail en Equations aux Dérivées Partielles**, December 13-14, 2018, "Simion Stoilow" Institute of Mathematics of the Romanian Academy, Bucharest, Romania (audit).

<http://www.imar.ro/~imar/2018/HAPPYPDE-2018.pdf>

- **Romanian Itinerant Seminar on Mathematical Analysis and its Applications, 2nd Edition**, May 10-12, 2019, Ovidius University of Constanta, Romania (with the talk: *The limiting behaviour of solutions to a family of eigenvalue problems*).

<http://math.univ-ovidius.ro/workshop/2019/RISMAA>

- **Workshop for Young Researchers in Mathematics**, 9th Edition, June 03-04, 2019, University of Bucharest, Romania (with the talk: *Principal frequency of Δ_∞ as limit of Rayleigh quotients in Orlicz spaces*).

<http://math.univ-ovidius.ro/workshop/2019/WYRM>

- **The Ninth Congress of Romanian Mathematicians**, June 28 - July 3, 2019, "Dunărea de Jos" University of Galați, Romania (with the talk: *Principal frequency of Δ_∞ as limit of Rayleigh quotients in Orlicz spaces*).

<https://sites.google.com/view/congmatro9/home?authuser=0>

7 Publications

- A Grecu: The simplicity of the first eigenvalue for an eigenvalue problem involving the Finsler p -Laplace operator and a nonlocal term, *Bull. Belg. Math. Soc. Simon Stevin* **26** (2019), 355-363.

WOS: 000486383700003

- A Grecu: The limiting behaviour of solutions to a family of eigenvalue problems, *Complex Variables and Elliptic Equations* **64** (2019), 2063-2076. DOI: 10.1080/17476933.2019.1572123
- A Grecu & M Mihăilescu: Principal frequency of Δ_∞ as limit of Rayleigh quotients in Orlicz spaces, *Applicable Analysis*, in press. WOS:000481100600001
- A Grecu & M Mihăilescu: Monotonicity of the Principal Eigenvalue of the p -Laplacian on an Annulus, submitted to *the Proceedings of the joint conferences RomFin2019 and FSDONA2019*.