Europass
Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Andrei GRECU**
Address(es)	Department of Applied Mathematics, University of Craiova, 13 A.I. Cuza str., 200585 Craiova, Romania
Email	andrei.grecu@edu.ucv.ro
Nationality	Romanian
Gender	M

Work experience

5 years

Dates	**October 2018 – October 2021**
Occupation or position held	**PhD student**
Main activities and responsibilities	Teaching at the Department of Applied Mathematics, University of Craiova.

Teaching Seminars
- Special Chapters of Mathematics for the first-year students, of the Faculty of Automation, Computers and Electronics, second semester, Field of Study: Computers and Information Technology (teaching in English)
- Linear algebra, analytic and differential geometry for the first-year students, of the Faculty of Automation, Computers and Electronics, second semester, Field of Study: Automation and Applied Informatics, Multimedia Systems Engineering

Name and address of employer	University of Craiova, 13, A.I. Cuza Street, 200585, Craiova, Dolj, Romania
Type of business or sector	Research and Higher Education

Dates	**October 2023 – Present**
Occupation or position held	Assistant professor, Department of Applied Mathematics, University of Craiova
Main activities and responsibilities	Teaching seminars
Name and address of employer	University of Craiova, 13, A.I. Cuza Street, 200585, Craiova, Dolj, Romania

Dates	**September 2020 – September 2022**
Occupation or position held	Member
Main activities and responsibilities	Research
Name and address of employer	Postal address: Splaiul Independenceei no. 313, sector 6, Bucharest, ROMANIA
Type of business or sector	Research- National Grant

Education and training

Dates	**October 2018 – October 2021**
Title of qualification awarded	**Doctor in Mathematics**

Domain: Mathematics
Title of the thesis: Analysis of some Classes of Partial Differential Equations, Scientific coordinator Prof. Mihai Mihăilescu

Principal subjects/occupational skills covered	Calculus of Variations, Principal eigenvalue of p-Laplace operator, Gamma-convergence, Nehari manifolds, The Direct Method in the Calculus of Variations, p-Torsion Creep Problems
Name and address of employer	University of Craiova

Level in national or international classification	ISCED 8
Dates	**October 2013 - June 2016**
Title of qualification awarded	**B.S. in Mathematics**
Principal subjects/occupational skills covered	Mathematical Analysis on R, Differential Calculus on R^n, Integral Calculus on R^n, Abstract Algebra, Linear Algebra, Ordinary Differential Equations, Partial Differential Equations, Analytical Geometry, Differential Geometry, Probabilities, Mathematical Statistics, Theoretical Mechanics, Variational calculus, Programming, Computers Architecture, Physics, Psychology, Pedagogy, Philosophy, English.
Name and address of employer	University of Craiova
Level in national or international classification	ISCED 6
Dates	**October 2016 – June 2018**
Title of qualification awarded	**M.S. in Mathematics**
Principal subjects/occupational skills covered	Spectral theory of differential operators, Evolution equations, Dynamic systems , Ordered algebraic structures, Bifurcation theory, Riemann Geometry, Special chapters of functional analysis, Elements of Cryptography, Numerical analysis for PDE's.
Name and address of employer	University of Craiova
Level in national or international classification	ISCED 7
Dates	**September 2009- June 2013**
Title of qualification awarded	**Graduation Diploma**
Name and address of employer	,,Stefan Odobleja" High School, Craiova

Personal skills and competences

Mother language(s)	**Romanian**

Other language(s)

Self-assessment /
Official certificate

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B2	Independent user

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
(*) Common European Framework of Reference for Languages

Social skills and competences	Work well in teams, sociable, communicative, responsible.
Computer skills and competences	Operating systems: Windows Calculus software: Matlab Editing software: LaTex.
Domains of competence	PDE's.

Additional informations	
Scientific Research	
National Grants	Politehnica University of Bucharest Grant PN-III-P1-1.1-TE-2019-0456, september 2020-september 2022, member.
Awards	1. Award for scientific results of papers published in 2021 by CNCS for the paper "Andrei Grecu and Denisa Stancu-Dumitru, The asymptotic behavior of solutions to a class of inhomogeneous problems: an Orlicz-Sobolev space approach, Electronic Journal of Qualitative Theory of Differential Equations, 38 (2021), 1-20, WOS: 000641292600001", PN-III-P1-1.1- PRECISI-2021- 57837, No. 281 (PRECISI 2021-zona roșie) (https://uefiscdi.gov.ro/index.php)

2. Award for scientific results of papers published in 2021 by CNCS for the paper "Andrei Grecu and Mihai Mihăilescu, Principal frequency of $\Delta\infty$ as limit of Rayleigh quotients in Orlicz spaces, Applicable Analysis, 100 (2021), 1590-1601, WOS:000481100600001", PN-III-P1-1.1-PRECISI-2021-58200, No. 416 (PRECISI 2021-zona galbenă) (https://uefiscdi.gov.ro/index.php)

3. Award for scientific results of papers published in 2020 by CNCS for the paper "Andrei Grecu, Fractional eigenvalue problems on RN, Electronic Journal of Qualitative Theory of Differential Equations, 26 (2020), 1-17, WOS:000528643700001", PN-III-P1-1.1-PRECISI-2020-44525 , No. 597 (PRECISI 2020-zona roșie) (https://uefiscdi.gov.ro/index.php)

3. Award for scientific results of papers published in 2019 by CNCS for the paper "Andrei Grecu, The limiting behaviour of solutions to a family of eigenvalue problems, Complex Variables and Elliptic Equations, 64 (2019), 2063-2076, WOS:000518385100006", PN-III-P1-1.1-PRECISI-2020-44628, No. 149 (PRECISI 2020-zona galbenă) (https://uefiscdi.gov.ro/index.php)

Conferences, workshops, talks	1. 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/ 2. International Conference on Applied Mathematics and Numerical Methods (ICAMNM) - 2nd 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/ICAMNM2018/ 3. 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 4. 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 5. 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 6. International Conference on Applied Mathematics and Numerical Methods (ICAMNM) - 3rd edition, October 29-31, 2020, University of Craiova, Romania (with the talk: Fractional eigenvalue problems on RN). http://cis01.central.ucv.ro/ICAMNM/ 7.Workshop for Young Researchers in Mathematics, 10th Edition, May 20-21, 2021, University of Bucharest, Romania (with the talk: The asymptotic behavior of solutions to a class of inhomogeneous problems). https://fmi.univ-ovidius.ro/cercetare/wyrm2021/ 8. International Virtual Conference "Mathematics & IT: Research and Education (MITRE-2021)", July 01-03, 2021, Moldova State University, Chișinău, Republic of Moldova (with the talk:Two eigenvalue-type problems in exterior domains). http://cecmi.usm.md/mitre/ 9. International Conference on AppliedMathematics and Numerical Methods (ICAMNM) - 4th edition, June 29-July 2, 2022, University of Craiova, Romania (with the talk: 4-Harmonic functions and beyond). https://cis01.central.ucv.ro/ICAMNM/ 10. Romanian Itinerant Seminar on Mathematical Analysis and its Applications, 5th Edition, May 26-28, 2023, University of Craiova, Romania (with the talk: The torsion problem of the p−Bilaplacian). http://rismaa.ucv.ro/
Publications	Articles in journals indexed in Clarivate Analytics or International Databases: 3

Articles in journals indexed in Clarivate Analytics

1. A. Grecu, The limiting behaviour of solutions to a family of eigenvalue problems, Complex Variables and Elliptic Equations, 64, 2063-2076 (2019).
2. 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, 26, 355-363 (2019).

3. A. Grecu, Fractional eigenvalue problems on Rn, Electron. J. Qual. Theory Di er. Equ. 26, 1-17 (2020).

4. A. Grecu & M. Mihăilescu: Monotonicity of the principal eigenvalue of the p-Laplacian on an annulus, Mathematical Reports 23 (2021), 149-155.

5. A. Grecu & M. Mihăilescu: Principal frequency of Δ_∞ as limit of Rayleigh quotients in Orlicz spaces, Applicable Analysis 100 (2021), 1590-1601.

6. A. Grecu & D. Stancu-Dumitru: The asymptotic behavior of solutions to a class of inhomogeneous problems: an Orlicz-Sobolev space approach, Electronic Journal of Qualitative Theory of Differential Equations 38 (2021), 1-20.

7. M. Fărcășeanu, A. Grecu, M. Mihăilescu & D. Stancu-Dumitru: Perturbed eigenvalue problems: an overview, Studia Universitatis Babeș-Bolyai Mathematica 66 (2021), 55-73.

8. M. Fărcășeanu, A. Grecu, M. Mihăilescu & D. Stancu-Dumitru: An overview on torsional creep problems, Revue Roumaine de Mathematiques Pures et Appliquees 66 (2021), 3-4, 695-708.

9. A. Grecu: A perturbed eigenvalue problem in exterior domain, Mathematica Slovaca 72 (4) (2022), 945-958.

10. A. Grecu: An eigenvalue-type problem involving the p-Laplace operator in exterior domain, Quaestiones Mathematicae 45 (7) (2022), 1091-1098.

11. A. Grecu & M.Mihăilescu: 4-harmonic functions and beyond, Le Mathematiche 77 (2022), 107-118.

12. A. Grecu: The isolation of the first eigenvalue for a Dirichlet eigenvalue problem involving the Finsler p−Laplacian and a nonlocal term, accepted for publication in Revista de la Union Matematica Argentina. (https://doi.org/10.33044/revuma.2281)

February 2024   Andrei GRECU