

Lista de lucrări
Pof. univ. dr. Cosma Elena Luminița

A. Teza de doctorat

Titlul tezei: *Analiza asimptotică a unor probleme la limită cu parametru mic*

Anul susținerii tezei: 14.08.1998;

Conducătorul științific: Prof. univ. dr. Silviu Sburlan, Prof. univ. dr. Gheorghe Moroșanu;

Instituția eliberatoare a diplomei: Institutul de Matematică Simion Stoilow.

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

C.1. **L. Barbu**, G. Moroșanu, I.V. Vîntu, *Second-order differential inclusions with two small parameters*, Nonlinear Analysis: Real World Applications, 77 (2024) 104061.

ISSN 1468-1218, WOS:001162459900001

<https://doi.org/10.1016/j.nonrwa.2024.104061>. (SRI: 1,351).

C.2. **L. Barbu**, A. Burlacu, G. Moroșanu, *On an eigenvalue problem associated with the (p, q) – Laplacian*, An. Sti. U. Ovid. Co.-Mat., 32 (1) (2024) 45-64 (ISSN: 2191-9496, FI: 0,638) WOS:001233512700009

https://anstuocmath.ro/mathematics/anale2024v1/3_BBM_AUOC_2023.pdf

C.3. **L. Barbu**, A. Burlacu, G. Moroșanu, *An Eigenvalue Problem Involving the (p, q) -Laplacian with a Parametric Boundary Condition*, Mediterr. J. Math. 20, 232 (2023) (SRI: 0,843).

ISSN: 1660-5446 , WOS:001004316100001, <https://doi.org/10.1007/s00009-023-02431-0>

<https://link.springer.com/article/10.1007/s00009-023-02431-0>

C.4. **L. Barbu**, A. Burlacu, G. Moroșanu, *On a nonlinear transmission eigenvalue problem with a Neumann-Robin boundary condition*, Math. Method. Appl. Sci. 46 (17) (2023) 18375-18386 (SRI: 0,805).

ISSN: 0170-4214, WOS:001039317300001

<https://onlinelibrary.wiley.com/doi/full/10.1002/mma.9563>

C.5. **L. Barbu**, G. Moroşanu, *On the eigenvalue set of the (p,q) -Laplacian with a Neumann-Steklov boundary condition*, Differential Integral Equations, 36(5/6)(2023), 437-452 (SRI: 1,341).

ISSN 0893-4983, WOS:000956998300001, DOI: 10.57262/die036-0506-437

https://projecteuclid.org/journals/differential-and-integral-equations/volume-36/issue-5_2f_6/On-the-eigenvalue-set-of-the-pq-Laplacian-with-a/10.57262/die036-0506-437.short

C.6. **L. Barbu**, G. Moroşanu, *Eigenvalues of the (p, q, r) -Laplacian with a parametric boundary condition*, Carpathian J. Math., 38(3)(2022), 547-561(SRI: 0,664).

ISSN1584-2851, WOS:000837203700001

C.7. **L. Barbu**, G. Moroşanu, *Full description of the eigenvalue set of the Steklov (p,q) -Laplacian*, J. Differ. Equ., 290 (2021), 1-16 (SRI: 2,408).

<https://doi.org/10.1016/j.jde.2021.04.023>

C.8. **L. Barbu**, G. Moroşanu, *On a Steklov eigenvalue problem associated with the (p, q) -Laplacian*, Carpathian J. Math., 37(2)(2021), 161-171 (SRI: 0,664).

(ISSN1584-2851, WOS:000662029600002) DOI10.37193/CJM.2021.02.0

C.9. **L. Barbu**, A. E. Nicolescu, *An overdetermined problem for a class of anisotropic equations in a cylindrical domain*, Math. Method. Appl. Sci., 43(9)(2020), 6117-6125. (ISSN: 0170-4214, SRI5: 0,83) <https://doi.org/10.1002/mma.6356>

C.10. **L. Barbu**, C. Enache, *A free boundary problem with multiple boundaries for a general class of anisotropic equations*, Appl. Math. Comput., 362(1)(2019), 124551. (ISSN: 0096-3003, SRI5: 0,978) <https://doi.org/10.1016/j.amc.2019.06.065>

C.11. **L. Barbu**, G. Moroşanu, C. Pinte, *A nonlinear elliptic eigenvalue–transmission problem with Neumann boundary condition*, Ann. Mat. Pura Appl., 198(3) (2019), 821-836. (ISSN: 0373-3114, SRI5: 1,634) <https://doi.org/10.1007/s10231-018-0801-5>

C.12. **L. Barbu**, G. Moroşanu, *Eigenvalues of the negative (p,q) - Laplacian under a Steklov-like boundary condition*, Complex Var. Elliptic, 64(4) (2019), 685–700. (ISSN: 1747-6933, SRI5: 0,74)

<https://doi.org/10.1080/17476933.2018.1477769>

C.13. **L. Barbu**, C. Enache, *On a free boundary problem for a class of anisotropic equations*, Math. Method. Appl. Sci., 40(6)(2017), 2005-2012. (ISSN: 0170-4214, SRI5:0,83)
<https://doi.org/10.1002/mma.4115>

C.14. **L. Barbu**, *Lions Regularization of the Telegraph System with Nonlinear Boundary Conditions*, Results Math., 72(1-2) (2017), 731-745. (ISSN: 1422-6383, SRI5: 0,689)
<https://doi.org/10.1007/s00025-017-0670-z>

C.15. **L. Barbu**, G. Moroşanu, *Elliptic-like regularization of a fully nonlinear evolution inclusion and applications*, Comm. Contemp. Math., 19(5) (2017), 1-16. (ISSN: 0219-1997, SRI5: 2,018)
<https://doi.org/10.1142/S0219199716500371>

C.16. **L. Barbu**, G. Moroşanu, *Elliptic-like regularization of semilinear evolution equations and applications to some hyperbolic problems*, J. Math. Anal. Appl., 449(2) (2017), 966-978. (ISSN: 0022-247X, SRI5: 1,164) <https://doi.org/10.1016/j.jmaa.2016.12.055>

C.17. **L. Barbu**, C. Enache, *A Liouville type theorem for a class of anisotropic equations*, An. Sti. U. Ovid. Co.-Mat., 24(3) (2016), 47-59. (ISSN: 2191-9496, FI: 0,638) DOI: [10.1515/auom-2016-0047](https://doi.org/10.1515/auom-2016-0047)

C.18. **L. Barbu**, C. Enache, *Maximum principles, Liouville-type theorems and symmetry results for a general class of quasilinear anisotropic equations*, Adv. Nonlinear Anal., 5(4) (2016), 395-405. (ISSN: 2191-9496, SRI5: 3,275)
<https://doi.org/10.1515/anona-2015-0127>

C.19. E. M. Crăciun, **L. Barbu**, *Compact closed form solution of the incremental plane states in a pre-stressed elastic composite with an elliptical hole*, ZAMM-Z. Angew. Math. Me., 95(2) (2015), 193-199. (ISSN: 0044-2267, SRI5: 1,207)

<https://doi.org/10.1002/zamm.201300125>

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Semnătura,

