

LISTA DE LUCRĂRI

Nicușor COSTEA

I. Lista celor mai relevante lucrări

- N. Costea, M. Csirik & Cs. Varga, *Linking-type results in nonsmooth critical point theory and applications*, Set-Valued Var. Anal. **25** (2017), 333-356.
- N. Costea, M. Csirik & Cs. Varga, *Weak solvability via bipotential method for contact models with nonmonotone boundary conditions*, Z. Angew. Math. Phys. **66** (2015), 2787-2806.
- N. Costea & Cs. Varga, *Multiple critical points for non-differentiable parametrized functionals and applications to differential inclusions*, J. Global Optim. **56** (2) (2013), 399-416.
- N. Costea & G. Moroșanu, *A multiplicity result for an elliptic anisotropic differential inclusion involving variable exponents*, Set-Valued Var. Anal. **21** (2013), 311-332.
- N. Costea & Cs. Varga, *Systems of nonlinear hemivariational inequalities and applications*, Topol. Methods Nonlinear Anal. **41** (1) (2013), 39-67.
- N. Costea & V. Rădulescu, *Inequality problems of quasi-hemivariational type involving set-valued operators and a nonlinear term*, J. Global Optim. **52** (2012), 743-756.
- N. Costea, D.A. Ion & C. Lupu, *Variational-like inequality problems involving set-valued maps and generalized monotonicity*, J. Optim. Theory Appl. **155** (1) (2012), 79-99.
- N. Costea, *Existence and uniqueness results for a class of quasi-hemivariational inequalities*, J. Math. Anal. Appl. **373** (2011), 305-315.
- N. Costea & A. Matei, *Weak solutions for nonlinear antiplane problems leading to hemivariational inequalities*, Nonlinear Anal. **72** (2010), 3669-3680.
- N. Costea & V. Rădulescu, *Hartman-Stampacchia results for stably pseudomonotone operators and nonlinear hemivariational inequalities*, Appl. Anal. **89** (2) (2010), 175-188.

II. Teze de doctorat

- T1. "Probleme Unilaterale în Fizica Matematică", Teză de doctorat, Universitatea din Craiova, Craiova 2010, Coordonator științific: Prof. dr. Vicențiu Rădulescu.

T2. "Existence Results for Some Differential Inclusions and Related Problems", Teză de doctorat, Central European University, Budapesta 2015, Coordonator științific: Prof. dr. Gheorghe Moroșanu.

II. Articole publicate

- Ris1. **N. Costea**, M. Csirik & Cs. Varga, *Linking-type results in nonsmooth critical point theory and applications*, Set-Valued Var. Anal. **25** (2017), 333-356. [ISSN: 1877-0533, WOS: , DOI 10.1007/s11228-016-0383-6, ISI Impact Factor: 0,973]
- Ris2. **N. Costea**, M. Csirik & Cs. Varga, *Weak solvability via bipotential method for contact models with nonmonotone boundary conditions*, Z. Angew. Math. Phys. **66** (2015), 2787-2806. [ISSN: 0044-2275, WOS: 000363062100034, ISI Impact Factor: 1,560]
- Ris3. **N. Costea**, I. Firoiu & F. Preda, *Elliptic boundary value problems with nonsmooth potential and mixed boundary conditions*, Complex Var. Elliptic Equ. **58** (9) (2013), 1201-1213. [ISSN: 1747-6933, WOS: 000324811000004, ISI Impact Factor: 0,466]
- Ris4. **N. Costea** & Cs. Varga, *Multiple critical points for non-differentiable parametrized functionals and applications to differential inclusions*, J. Global Optim. **56** (2) (2013), 399-416. [ISSN: 0925-5001, WOS: 000320117100013, ISI Impact Factor: 1,219]
- Ris5. **N. Costea** & G. Moroșanu, *A multiplicity result for an elliptic anisotropic differential inclusion involving variable exponents*, Set-Valued Var. Anal. **21** (2013), 311-332. [ISSN: 1877-0533, WOS: 000318445200010, ISI Impact Factor: 0,973]
- Ris6. I. Andrei, **N. Costea** & A. Matei, *Antiplane sheardeformation of piezoelectric bodies in contact with a conductive support*, J. Global Optim. **56** (1) (2013), 103-119. [ISSN: 0925-5001, WOS: 000317079100006, ISI Impact Factor: 1,219]
- Ris7. **N. Costea** & Cs. Varga, *Systems of nonlinear hemivariational inequalities and applications*, Topol. Methods Nonlinear Anal. **41** (1) (2013), 39-67. [ISSN: 1230-3429, WOS: 000317885300002, ISI Impact Factor: 0,717]
- Ris8. **N. Costea**, D.A. Ion & C. Lupu, *Variational-like inequality problems involving set-valued maps and generalized monotonicity*, J. Optim. Theory Appl. **155** (1) (2012), 79-99. [ISSN: 0022-3239, WOS: 000309864200004, ISI Impact Factor: 1,160]
- Ris9. **N. Costea** & V. Rădulescu, *Inequality problems of quasi-hemivariational type involving set-valued operators and a nonlinear term*, J. Global Optim. **52** (2012), 743-756. [ISSN: 0925-5001, WOS: 000301841300005, ISI Impact Factor: 1,219]
- Ris10. **N. Costea** & A. Matei, *Contact models leading to variational-hemivariational inequalities*, J. Math. Anal. Appl. **386** (2012), 647-660. [ISSN: 0022-247X, WOS: 000295563500014, ISI Impact Factor: 1,014]

- Ris11. **N. Costea**, *Existence and uniqueness results for a class of quasi-hemivariational inequalities*, J. Math. Anal. Appl. **373** (2011), 305-315. [ISSN: 0022-247X, WOS: 000282196100030, ISI Impact Factor: 1,014]
- Ris12. **N. Costea** & A. Matei, *Weak solutions for nonlinear antiplane problems leading to hemivariational inequalities*, Nonlinear Anal. **72** (2010), 3669-3680. [ISSN: 0362-546X, WOS: 000276148000013, ISI Impact Factor: 1,125]
- Ris13. **N. Costea** & V. Rădulescu, *Hartman-Stampacchia results for stably pseudomonotone operators and nonlinear hemivariational inequalities*, Appl. Anal. **89** (2) (2010), 175-188. [ISSN: 0003-6811, WOS: 000274423100003, ISI Impact Factor: 0,815]
- Ris14. **N. Costea** & M. Mihăilescu, *On an eigenvalue problem involving variable exponent growth conditions*, Nonlinear Anal. **71** (2009), 4271-4278. [ISSN: 0362-546X, WOS: 000267621000062, ISI Impact Factor: 1,125]
- Ris15. **N. Costea** & M. Mihăilescu, *Nonlinear, degenerate and singular eigenvalue problems on \mathbb{R}^N* , Nonlinear Anal. **71** (2009), 1153-1159. [ISSN: 0362-546X, WOS: 000266699600045, ISI Impact Factor: 1,125]
- Ris16. **N. Costea** & C. Lupu, *On a class of variational-hemivariational inequalities involving set valued mappings*, Adv. Pure Appl. Math. **1** (2) (2010), 233-246. [ISSN: 1869-6090, DOI: 10.1515/apam.2010.014, BDI: Zentralblatt Math, Mathematical Reviews, Scopus]
- Ris17. I. Andrei & **N. Costea**, *Nonlinear hemivariational inequalities and applications to nonsmooth mechanics*, Adv. Nonlinear Var. Inequal. **13** (1) (2010), 1-17. [ISSN: 1092-910X, BDI: Zentralblatt Math, Mathematical Reviews, Scopus]
- Ris18. **N. Costea** & V. Rădulescu, *Existence results for hemivariational inequalities involving relaxed $\eta - \alpha$ monotone mappings*, Commun. Appl. Anal. **13** (3) (2009), 293-304. [ISSN: 1083-2564, BDI: Zentralblatt Math, Mathematical Reviews, Scopus]
- Ris19. **N. Costea**, *Continuous family of eigenvalues concentrating in a small neighborhood at the right of the origin for a class of discrete boundary value problems*, An. Univ. Craiova Ser. Mat. Inform. **35** (2008), 85-93. [ISSN: 1223-6934, BDI: Zentralblatt Math, Mathematical Reviews, Scopus]

III. Proiecte de cercetare

a) obținute prin competiție pe bază de contract/grant în țară/străinătate

- Pn1. "Differential Inclusions and Nonsmooth Variational Problems in Nonlinear Analysis and Applications" [autoritatea contractantă: CNCS-UEFISCDI), cod proiect: PN-II-RU-PD-2011-3-0032, perioada: 05/10/2011 - 04/10/2013, calitatea avută: director de proiect]

Pn2. "*Variable Exponent Analysis: Partial Differential Equations and Calculus of Variations*" [autoritatea contractantă: CNCS-UEFISCDI, cod: PN-II-ID-PCE-2012-4-0021, perioada: 01/09/2013- 31/08/2015, calitatea avută: membru, director: Mihai MIHĂILESCU]

Pn3. "*Analysis, Control and Numerical Approximations of Partial Differential Equations*" [autoritatea contractantă: CNCS-UEFISCDI, cod proiect: PN-II-ID-PCE-2011-3-0075, perioada: 05/10/2011- 04/10/2014, calitatea avută: membru, director: Ioan-Liviu IGNAT]

Pn4. "*Critical point theory and degree theory for nonlinear problems with relativistic Laplacians*" [autoritatea contractantă: CNCS-UEFISCDI, cod proiect: PN-II-RU-TE-2011-3-0157, perioada: 05/10/2011- 04/10/2014, calitatea avută: membru, director: Cristian BEREANU]

b) alte lucrări de cercetare – dezvoltare

F1. "*Hemivariational-like inequalities*" [autoritatea contractantă: Universitatea Politehnica din București, Excellence Research Grants, cod proiect: UPB-GEX 358, perioada: 23/09/2016 - 23/09/2017, calitatea avută: director de proiect]

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