

10 а. Списък на всички публикации

на Надя Златева

Списъкът съдържа

- две дисертации (за ОНС „доктор“ и НС „доктор на науките“);
- 29 статии в рецензиирани научни списания;
- четири други публикации.

От публикуваните в списания статии,

- 21 са реферираны в Web of Science (в списания с импакт фактор IF);
- 21 са реферираны в Scopus (в списания с импакт ранг SJR);
- 27 са реферираны в MathSciNet,

а на две предстои рефериране.

Статиите от списъка са достъпни в пълен текст на
<https://fmi.uni-sofia.bg/bg/node/6058>

ДИСЕРТАЦИИ

- [1d] Надя Златева, *Субдиференциално смятане и вариационни методи в негладкия анализ*, дисертация за ОНС „доктор“, София, 1997.
- [2d] Nadia Zlateva, *Variational analysis: Methods and applications*, дисертация за научна степен „доктор на науките“, София, 2017.

СТАТИИ В НАУЧНИ СПИСАНИЯ

- [1a] P. G. Georgiev, N. P. Zlateva, Second subdifferentials of $C^{1,1}$ functions: optimality conditions and well posedness, *Comptes rendus de l'Académie bulgare des Sciences*, vol:49, issue:11, 1993, pages:25-28, ISSN (print):1310-1331, ISSN (online):2367-5335, Ref. MathSciNet (MR1306337)
- [2a] P. G. Georgiev, N. P. Zlateva, Second-order subdifferentials of $C^{1,1}$ functions and optimality conditions, *Set-Valued Analysis*, vol:4, 1996, pages:101-117, ISSN (print):0297-6947, ISSN (online):1572-932X, doi: DOI: 10.1007/BF00425960, IF (0.391 – 1997), **Web of Science Quartile: Q3** (65/117 Mathematics Applied), Ref. MathSciNet (MR1394408)

- [3a] P. G. Georgiev, N. P. Zlateva, Generic Gâteaux differentiability via smooth perturbations, **Bulletin of the Australian Mathematical Society**, vol:56, 1997, pages:421-428, ISSN (print): 0004-9727, ISSN (online):1755-1633, DOI: 10.1017/S0004972700031208, IF (0.198 – 1997), **Web of Science Quartile: Q3** (108/136 Mathematics), Ref. MathSciNet (MR1490659)
- [4a] M. Ivanov, N. Zlateva, Abstract subdifferential calculus and semiconvex functions, **Serdica Mathematical Journal**, vol:23, issue:1, 1997, pages:35-58, ISSN (print):1310-6600, **Ref. MathSciNet** (MR1610289)
- [5a] P. G. Georgiev, N. P. Zlateva, Lasry-Lions regularizations and reconstruction of subdifferentials, **Comptes rendus de l'Académie bulgare des Sciences**, vol:51, issue:9-10, 1998, pages:9-13, ISSN (print):1310-1331, ISSN (online):2367-5335, **Ref. MathSciNet** (MR1727535)
- [6a] P. G. Georgiev, N. P. Zlateva, Reconstruction of Clarke subdifferential by the Lasry-Lions regularizations, **Journal of Mathematical Analysis and Applications**, vol:248, 2000, pages:415-428, ISSN (print):0022-247X, ISSN (online):1096-0813, DOI: 10.1006/jmaa.2000.6916, Web of Science IF (0.431 – 2000), **Web of Science Quartile: Q2** (74/156 Mathematics), SCOPUS SJR (1.053 – 2000), SCOPUS Quartile: Q2 (Applied Mathematics), Ref. MathSciNet (MR1775860)
- [7a] M. Ivanov, N. Zlateva, A Clarke-Ledyaev type inequality for certain non-convex sets, **Serdica Mathematical Journal**, vol:26, issue:4, 2000, pages:277-286, ISSN (print):1310-6600, **Ref. MathSciNet** (MR1891408 (2002k:49034))
- [8a] M. Ivanov, N. Zlateva, On primal lower-nice property, **Comptes rendus de l'Académie bulgare des Sciences**, vol:54, issue:11, 2001, pages:5-10, ISSN (print):1310-1331, ISSN (online):2367-5335, **Ref. MathSciNet** (MR1878038)
- [9a] M. Ivanov, N. Zlateva, On nonconvex version of the inequality of Clarke and Ledyaev, **Nonlinear Analysis – Theory Methods & Applications**, vol:49, issue:8, 2002, pages:1023-1036, ISSN (print):0362-456X, ISSN (online):1873-5215, DOI: 10.1016/S0362-546X(01)00145-6, Web of Science IF (0.314 – 2002), **Web of Science Quartile: Q3** (121/170 Mathematics), SCOPUS SJR (0.607 – 2002), SCOPUS Quartile: Q2 (Applied Mathematics), Ref. MathSciNet (MR1942663)
- [10a] L. Thibault, N. Zlateva, Integrability of subdifferentials of certain bivariate functions, **Nonlinear Analysis – Theory Methods & Applications**, vol:54, issue:7, 2003, pages:1251-1269, ISSN (print):0362-456X, ISSN (online):1873-5215, DOI: 10.1016/S0362-546X(03)00137-8, Web of Science IF (0.354 – 2003), **Web of Science Quartile: Q3** (108/174 Mathematics), SCOPUS SJR (0.795 – 2003), SCOPUS Quartile: Q2 (Applied Mathematics), Ref. MathSciNet (MR1995929)

- [11a] M. Ivanov, N. Zlateva, Subdifferential characterization of primal lower-nice functions on smooth Banach spaces, **Comptes rendus de l'Académie bulgare des Sciences**, vol:57, issue:5, 2004, pages:13-18, ISSN (print):1310-1331, ISSN (online):2367-5335, SCOPUS SJR (0.121 – 2004), **SCOPUS Quartile: Q3** (Multidisciplinary), Ref. MathSciNet (MR2077361)
- [12a] L. Thibault, N. Zlateva, Partially ball weakly inf-compact saddle functions, **Mathematics of Operations Research**, vol:30, issue:2, 2005, pages:404-419, ISSN (print):0364-765X, ISSN (online):1526-5471, DOI: 10.1087/moor.1040.0126, Web of Science IF (0.906 – 2005), **Web of Science Quartile: Q1** (13/56 OR & MS), SCOPUS SJR (1.487 – 2005), SCOPUS Quartile: Q1 (Mathematics), Ref. MathSciNet (MR2142040)
- [13a] L. Thibault, N. Zlateva, Integrability of subdifferentials of directionally Lipschitz functions, **Proceedings of the American Mathematical Society**, vol:133, 2005, pages:2939-2948, ISSN (print):0002-9939, ISSN (online):1088-6826, DOI: 10.1090/S0002-9939-05-07883-4, Web of Science IF (0.429 – 2005), **Web of Science Quartile: Q3** (101/181 Mathematics), SCOPUS SJR (1.025 – 2005), SCOPUS Quartile: Q1 (Mathematics), Ref. MathSciNet (MR2159772)
- [14a] M. Quincampoix, N. Zlateva, On Lipschitz regularity of minimizers of a calculus of variations problem with non locally bounded Lagrangians, **Comptes rendus Mathematique Acad. Sci. Paris**, vol:343, 2006, pages:69-74, ISSN (print):1631-073X, ISSN (online):1778-3569, DOI: 10.1016/j.crma.2006.05.006, Web of Science IF (0.443 – 2006), **Web of Science Quartile: Q3** (106/187 Mathematics), SCOPUS SJR (0.778 – 2006), SCOPUS Quartile: Q2 (Mathematics), Ref. MathSciNet (MR2241962)
- [15a] A. Dontchev, M. Quincampoix, N. Zlateva, Aubin criterion for metric regularity, **Journal of Convex Analysis**, vol:13, issue:2, 2006, pages:281-297, ISSN (print):0944-6532, ISSN (online):2363-6394, Web of Science IF (0.567 – 2006), **Web of Science Quartile: Q2** (79/187 Mathematics), SCOPUS SJR (0.852 – 2006), SCOPUS Quartile: Q2 (Mathematics), Ref. MathSciNet (MR2252233)
- [16a] F. Bernard, L. Thibault, N. Zlateva, Characterizations of prox-regular sets in uniformly convex Banach spaces, **Journal of Convex Analysis**, vol:13, issue:3-4, 2006, pages:525-559, ISSN (print):0944-6532, ISSN (online):2363-6394, Web of Science IF (0.567 – 2006), **Web of Science Quartile: Q2** (79/187 Mathematics), SCOPUS SJR (0.852 – 2006), SCOPUS Quartile: Q2 (Mathematics), Ref. MathSciNet (MR2291551)
- [17a] M. Quincampoix, N. Zlateva, Parameterized minimax problem: on Lipschitz-like dependence of the solution with respect to the parameter, **SIAM Journal**

on Optimization, vol:19, issue:3, 2008, pages:1250-1269, ISSN (print):1052-6234, ISSN (online):1095-7189, DOI: 10.1137/060653718, Web of Science IF (1.525 – 2008), **Web of Science Quartile: Q1** (18/175 Mathematics Applied), SCOPUS SJR (2.283 – 2008), SCOPUS Quartile: Q1 (Theoretical Computer Science), Ref. MathSciNet (MR2460741)

- [18a] M. Ivanov, N. Zlateva, A new proof of the integrability of the subdifferential of a convex function on a Banach space, **Proceedings of the American Mathematical Society**, vol:136, issue:5, 2008, pages:1787-1793, ISSN (print):0002-9939, ISSN (online):1088-6826, DOI: 10.1090/S0002-9939-08-09178-8, Web of Science IF (0.584 – 2008), **Web of Science Quartile: Q2** (101/215 Mathematics), SCOPUS SJR (1.174 – 2008), SCOPUS Quartile: Q1 (Mathematics), Ref. MathSciNet (MR2373609)
- [19a] F. Bernard, L. Thibault, N. Zlateva, Prox-regular sets and epigraphs in uniformly convex Banach spaces: Various regularities and other properties, **Transactions of the American Mathematical Society**, vol:363, 2011, pages:2211-2247, ISSN (print):0002-9947, ISSN (online):1088-6850, DOI: 10.1090/S0002-9947-2010-05261-4, Web of Science IF (1.093 – 2011), **Web of Science Quartile: Q1** (33/289 Mathematics), SCOPUS SJR (2.031 – 2011), SCOPUS Quartile: Q1 (Mathematics), Ref. MathSciNet (MR2746681)
- [20a] Milen Ivanov, Nadia Zlateva, Perturbation method for variational problems, **Journal of Convex Analysis**, vol:19, issue:4, 2012, pages:1033-1042, ISSN (print):0944-6532, ISSN (online):2363-6394, Web of Science IF (0.625 – 2012), **Web of Science Quartile: Q2** (124/296 Mathematics), SCOPUS SJR (1.229 – 2012), SCOPUS Quartile: Q1 (Mathematics), Ref. MathSciNet (MR3059052)
- [21a] M. Ivanov, N. Zlateva, Perturbation Method for a Non-convex Integral Functional, **Journal of Optimization Theory and Applications**, vol:157, issue:3, 2013, pages:737-748, ISSN (print):0022-3239, ISSN (online):1573-2878, doi:10.1007/s10957-012-0196-1, Web of Science IF (1.406 – 2013), **Web of Science Quartile: Q1** (43/251 Mathematics Applied), SCOPUS SJR (0.928 – 2013), SCOPUS Quartile: Q1 (Control & Optimization), Ref. MathSciNet (MR3047028)
- [22a] Nadia Zlateva, Integrability through infimal regularization, **Comptes rendus de l'Académie bulgare des Sciences**, vol:68, issue:5, 2015, pages:551-560, ISSN (print):1310-1331, ISSN (online):2367-5335, Web of Science IF (0.233 – 2015), **Web of Science Quartile: Q4** (57/63 Multidisciplinary Sciences), SCOPUS SJR (0.205 – 2015), SCOPUS Quartile: Q3 (Multidisciplinary), MathSciNet (MR3408503)
- [23a] Milen Ivanov, Boyan Zlatanov, Nadia Zlateva, A Variational Principle and Best Proximity Points, **Acta Mathematica Sinica – English Series**, vol:31,

issue:8, 2015, pages:1315-1326, ISSN (print):1439-8516, ISSN (online):1439-7617, DOI: 10.1007/s10114-015-4538-4, Web of Science IF (0.386 – 2015), **Web of Science Quartile: Q4** (256/312 Mathematics), SCOPUS SJR (0.409 – 2015), SCOPUS Quartile: Q3 (Mathematics), MathSciNet (MR3367691)

- [24a] Milen Ivanov, Nadia Zlateva, Long orbit or empty value principle, fixed point and surjectivity theorems, **Comptes rendus de l'Académie bulgare des Sciences**, vol:69, issue:5, 2016, pages:553-562, ISSN (print):1310-1331, ISSN (online):2367-5335, Web of Science IF (0.251 – 2016), **Web of Science Quartile: Q4** (62/64 Multidisciplinary Sciences), SCOPUS SJR (0.209 – 2016), SCOPUS Quartile: Q3 (Multidisciplinary)
- [25a] M. Ivanov, N. Zlateva, Maximal Monotonicity of the Subdifferential of a Convex Function: a Direct Proof, **Journal of Convex Analysis**, vol:24, issue:4, 2017, pages:1307-1311, ISSN (print):0944-6532, ISSN (online):2363-6394, Web of Science IF (0.627 – 2017), **Web of Science Quartile: Q3** (192/310 Mathematics), SCOPUS SJR (0.534 – 2017), SCOPUS Quartile: Q2 (Mathematics)
- [26a] Milen Ivanov, Nadia Zlateva, Surjectivity in Frechet Spaces, **Journal of Optimization Theory and Applications**, vol:182, issue:1, 2019, pages:265-284, ISSN (print):0022-3239, ISSN (online):1573-2878, doi:<https://doi.org/10.1007/s10957-019-01482-2>, Web of Science IF (1.6 – 2018), **Web of Science Quartile: Q2** (65/254 Mathematics Applied), SCOPUS SJR (1.086 – 2018), SCOPUS Quartile: Q1 (Control & Optimization)
- [27a] Milen Ivanov, Nadia Zlateva, A simple case within Nash-Moser-Ekeland theory, **Comptes rendus de l'Académie bulgare des Sciences**, vol:72, issue:2, 2019, pages:152-157, ISSN (print):1310-1331, ISSN (online):2367-5335, DOI:10.7546/CRABS.2019.02.02, Web of Science IF (0.321 – 2018), **Web of Science Quartile: Q4** (68/69 Multidisciplinary), SCOPUS SJR (0.205 – 2018), SCOPUS Quartile: Q2 (Multidisciplinary)
- [28a] Milen Ivanov, Nadia Zlateva, On Characterizations of Metric Regularity of Multi-valued Maps, **Journal of Convex Analysis**, vol:27, issue:1, 2020, pages:383–390, ISSN (print):0944-6532, ISSN (online):2363-6394, Web of Science IF (0.794 – 2018), **Web of Science Quartile: Q2** (147/313 Mathematics), SCOPUS SJR (0.717 – 2018), SCOPUS Quartile: Q2 (Mathematics)
- [29a] Milen Ivanov, Nadia Zlateva, Barrier Functions in Subdifferential Theory, **Journal of Convex Analysis**, vol:27, issue:4, 2020, ISSN (print):0944-6532, ISSN (online):2363-6394, Web of Science IF (0.794 – 2018), **Web of Science Quartile: Q2** (147/313 Mathematics), SCOPUS SJR (0.717 – 2018), SCOPUS Quartile: Q2 (Mathematics)

ДРУГИ ПУБЛИКАЦИИ

- [o1] Stefka Dimova, Nadia Zlateva, Applied Mathematics study in the Faculty of Mathematics and Informatics at Sofia University, ECMI Newsletter, No 50, October 2011, 25-27.
- [o2] Ana Avdzhieva, Todor Balabanov, Detelina Kirova, Hristo Kostadinov, Tsvetomir Tsachev, Stela Zhelezova, Nadia Zlateva, Optimal Cutting Problem, 113-th European Study Group with Industry, September 14-18, 2015, Sofia, Bulgaria, Problems & Final Reports, Publisher:Fastumprint, 2015, pages:49-61, ISBN:978-619-72-23-12-5
- [o3] Евгения Великова, Надя Златева, 125 години математика и природни науки в Софийския университет „Св. Климент Охридски“, Математика и математическо образование, Сборник с доклади на 44-та пролетна конференция на Съюза на математиците в България, СОК „Камчия“, 2–6 април, 2015, стр.:9-18, ISSN (print):1313-3330
- [o4] Ana Avdzhieva, Todor Balabanov, Georgi Evtimov, Ivan Jordanov, Nikolai Kitanov, Nadia Zlateva, Two Dimensional Optimal Cutting Problem, 120-th European Study Group with Industry, Problems & Final Reports, 25-29 July 2016, Sofia, Publisher:FASTUMPRINT, 2016, pages:54-58, ISBN:978-619-7223-31-6

10 б. Списък на публикациите, представени за участие в конкурса

за професор по 4.5 Математика (Изследване на операциите),
обявен в ДВ брой 21 от 13 март 2020 г.

от Надя Златева

Списъкът съдържа

- 8 статии в рецензирани научни списания,

от които 6 са публикувани, а 2 са приети за публикуване. Всички статии са в списания, които се реферират от Web of Science (с импакт фактор IF), Scopus (с импакт ранг SJR) и MathSciNet и не са използвани в предишните процедури на автора — за ОНС доктор, за научно звание доцент и за научна степен доктор на науките. Статиите от списъка са достъпни в пълен текст на
<https://fmi.uni-sofia.bg/bg/node/6058>

- [16] M. Ivanov, N. Zlateva, A new proof of the integrability of the subdifferential of a convex function on a Banach space, **Proceedings of the American Mathematical Society**, vol:136, issue:5, 2008, pages:1787-1793, ISSN (print):0002-9939, ISSN (online):1088-6826, DOI: 10.1090/S0002-9939-08-09178-8, Web of Science IF (0.584 – 2008), Web of Science Quartile: Q2 (101/215 Mathematics), SCOPUS SJR (1.174 – 2008), SCOPUS Quartile: Q1 (Mathematics), Ref. MathSciNet (MR2373609)
http://ws.isiknowledge.com/cps/openurl/service?url_ver=Z39.88-2004&rft_id=info:ut/000253017600033
- [26] Milen Ivanov, Nadia Zlateva, Perturbation method for variational problems, **Journal of Convex Analysis**, vol:19, issue:4, 2012, pages:1033-1042, ISSN (print):0944-6532, ISSN (online):2363-6394, Web of Science IF (0.625 – 2012), Web of Science Quartile: Q2 (124/296 Mathematics), SCOPUS SJR (1.229 – 2012), SCOPUS Quartile: Q1 (Mathematics), Ref. MathSciNet (MR3059052)
http://ws.isiknowledge.com/cps/openurl/service?url_ver=Z39.88-2004&rft_id=info:ut/000315171600009
- [36] M. Ivanov, N. Zlateva, Perturbation Method for a Non-convex Integral Functional, **Journal of Optimization Theory and Applications**, vol:157, issue:3, 2013, pages:737-748, ISSN (print):0022-3239, ISSN (online):1573-2878, doi:10.1007/s10957-012-0196-1, Web of Science IF (1.406 – 2013), Web of Science Quartile: Q1 (43/251 Mathematics Applied), SCOPUS SJR (0.928 – 2013), SCOPUS Quartile: Q1 (Control & Optimization), Ref. MathSciNet (MR3047028)

- http://ws.isiknowledge.com/cps/openurl/service?url_ver=Z39.88-2004&rft_id=info:ut/000318283900009
- [46] M. Ivanov, N. Zlateva, Maximal Monotonicity of the Subdifferential of a Convex Function: a Direct Proof, **Journal of Convex Analysis**, vol:24, issue:4, 2017, pages:1307-1311, ISSN (print):0944-6532, ISSN (online):2363-6394, Web of Science IF (0.627 – 2017), **Web of Science Quartile: Q3** (192/310 Mathematics), SCOPUS SJR (0.534 – 2017), SCOPUS Quartile: Q2 (Mathematics)
- http://ws.isiknowledge.com/cps/openurl/service?url_ver=Z39.88-2004&rft_id=info:ut/000418780200013
- [56] Milen Ivanov, Nadia Zlateva, Surjectivity in Frechet Spaces, **Journal of Optimization Theory and Applications**, vol:182, issue:1, 2019, pages:265-284, ISSN (print):0022-3239, ISSN (online):1573-2878, doi:<https://doi.org/10.1007/s10957-019-01482-2>, Web of Science IF (1.6 – 2018), **Web of Science Quartile: Q2** (65/254 Mathematics Applied), SCOPUS SJR (1.086 – 2018), SCOPUS Quartile: Q1 (Control & Optimization)
- http://ws.isiknowledge.com/cps/openurl/service?url_ver=Z39.88-2004&rft_id=info:ut/000471200200011
- [66] Milen Ivanov, Nadia Zlateva, A simple case within Nash-Moser-Ekeland theory, **Comptes rendus de l'Académie bulgare des Sciences**, vol:72, issue:2, 2019, pages:152-157, ISSN (print):1310-1331, ISSN (online):2367-5335, DOI:10.7546/CRABS.2019.02.02, Web of Science IF (0.321 – 2018), **Web of Science Quartile: Q4** (68/69 Multidisciplinary), SCOPUS SJR (0.205 – 2018), SCOPUS Quartile: Q2 (Multidisciplinary)
- http://ws.isiknowledge.com/cps/openurl/service?url_ver=Z39.88-2004&rft_id=info:ut/000462949200002
- [76] Milen Ivanov, Nadia Zlateva, On Characterizations of Metric Regularity of Multi-valued Maps, **Journal of Convex Analysis**, vol:27, issue:1, 2020, pages:383–390, ISSN (print):0944-6532, ISSN (online):2363-6394, Web of Science IF (0.794 – 2018), **Web of Science Quartile: Q2** (147/313 Mathematics), SCOPUS SJR (0.717 – 2018), SCOPUS Quartile: Q2 (Mathematics)
- <http://www.heldermann.de/JCA/JCA27/jca27.htm#jca272>
- [86] Milen Ivanov, Nadia Zlateva, Barrier Functions in Subdifferential Theory, **Journal of Convex Analysis**, vol:27, issue:4, 2020, ISSN (print):0944-6532, ISSN (online):2363-6394, Web of Science IF (0.794 – 2018), **Web of Science Quartile: Q2** (147/313 Mathematics), SCOPUS SJR (0.717 – 2018), SCOPUS Quartile: Q2 (Mathematics)
- <http://www.heldermann.de/JCA/JCA27/jca27.htm#jca273>