

LIST OF PUBLICATIONS

Nicolae Adrian Secelean

List of the most relevant papers included in the file obtained after obtaining doctorate

1. **N.A. Secelean**, *Countable Iterated Function Systems*, LAP Lambert Academic Publishing, 2013, ISBN-13: 978-3-659-32030-9; ISBN-10: 3659320307, EAN: 9783659320309, 216 p.
<http://www.amazon.com/Countable-Iterated-Function-Systems-Secelean/dp/3659320307> (extenso)
2. **N.A. Secelean**, *Generalized Iterated Function Systems on the space $l^\infty(X)$* , Journal of Mathematical Analysis and Applications, Vol. 410, Issue 2, 15. Feb. 2014, 847-858, DOI:10.1016/j.jmaa.2013.09.007
<http://authors.elsevier.com/sd/article/S0022247X13008196> (extenso)
3. **N.A. Secelean**, *Iterated Function Systems consisting of F-contractions*, Fixed Point Theory and Applications, 2013, **2013**:277, DOI:10.1186/1687-1812-2013-277,
<http://www.fixedpointtheoryandapplications.com/content/2013/1/277> (extenso)
4. **N.A. Secelean**, *Invariant measure associated with a Generalized Countable Iterated Function System*, Mediterranean Journal of Mathematics, **11** (2014), 361-372, DOI 10.1007/s00009-013-0300-2 <http://link.springer.com/article/10.1007%2Fs00009-013-0300-2> (extenso)
5. L. Suciuc , W. Majdak , **N.A. Secelean**, *Ergodic properties of operators in some semi-Hilbertian spaces*, Linear and Multilinear Algebra, vol. **61**, issue 2, 2013, p.139-159 DOI:10.1080/03081087.2012.667094
<http://www.tandfonline.com/doi/abs/10.1080/03081087.2012.667094#.UjAuI39DfXQ> (extenso)
6. **N.A. Secelean**, *The existence of the attractor of countable iterated function systems*, Mediterranean Journal of Mathematics, No. 1, Vol. **9**, 2012, pp. 61-79 DOI: 10.1007/s00009-011-0116-x, <http://link.springer.com/article/10.1007%2Fs00009-011-0116-x#page-1> (extenso)
7. E.C. Popa, **N.A. Secelean**, *Estimates for the constants of Landau and Lebesgue via some inequalities for the Wallis ratio*, Journal of Computational and Applied Mathematics, Vol. **269** (2014), 68-74, DOI: 10.1016/j.cam.2014.03.020
<http://dx.doi.org/10.1016/j.cam.2014.03.020> (extenso)
8. **N.A. Secelean**, *Continuous dependence on a parameter of the countable fractal interpolation Function*, Carpathian Journal of Mathematics, **27**, 2011, No.1, p.131-141
http://carpathian.ubm.ro/?m=past_issues (extenso)
9. **N.A. Secelean**, *Generalized countable iterated function systems*, Filomat, **25:1** (2011), p.21-36, DOI:10.2298/FIL1101021S([Zbl 1265.28024](http://zbmath.org/1265.28024)),
<http://www.pmf.ni.ac.rs/pmf/publikacije/filomat/2011/F25-1-2011/25-1-2011-contents.htm> (extenso)
10. **N.A. Secelean**, *Fractal countable interpolation scheme: existence and affine invariance*, Mathematical Reports, Volume: **13**, Issue: **1**, 2011, p. 75-87,
http://imar.ro/journals/Mathematical_Reports/volumes.html (extenso)

Ph.D. thesis

Nicolae Adrian Secelean, “*Applications of measure theory in the study of fractals*”, Romanian Academy, Bucharest, 2001

Patents and other titles of industrial property

Not applicable.

Books and book chapters

- C1 **N.A. Secelean**, *Countable Iterated Function Systems*, LAP Lambert Academic Publishing, 2013, ISBN-13: 978-3-659-32030-9; ISBN-10: 3659320307, EAN: 9783659320309, 216 p. <https://www.lap-publishing.com/catalog/details//store/gb/book/978-3-659-32030-9/countable-iterated-function-systems>
- C2 P.T. Crăciunaș, **N.A. Secelean**, S. Crăciunaș – *Analiză Matematică pe dreapta reală*, Editura ULB, Sibiu, 2010, ISBN 978-606-12-0020-7, 200 pages
- C3 A. Branga, S. Crăciunaș, **N.A. Secelean** – *Analiză Funcțională și Teoria Aproximării*, Ed. Casa Cărții de Știință, Cluj-Napoca, 2009, ISBN 978-973-133-545-2, 303 pages
- C4 **N.A. Secelean**, E. De Amo: *Topology: from Fundamentals to Euclidean Spaces*, Editorial Universidad Almería, Spain, 2008, ISBN 978-84-8240-912-2, 194 pages
- C5 L. Ardelean, **N. Secelean**: *Didactica Matematicii – noțiuni generale; comunicare didactică specifică matematicii*, Editura ULB, Sibiu, 2007, ISBN 978-973-739-497-2, 166 pages
- C6 L. Ardelean, **N. Secelean**: *Didactica Matematicii – managementul, proiectarea și evaluarea activităților didactice*, Editura ULB, Sibiu, 2007, ISBN 978-973-739-498-9, 189 pages
- C7 **N.A. Secelean**, *Numărare, statistică, probabilități*, Ed. Credis, 2005, Proiect MEC, ISBN 973-0-04241-1, 87 pages
- C8 **N.A. Secelean**: *Măsură și Fractali*, Editura ULB, Sibiu, 2002, ISBN: 973-651-456-0, 220 pages
- C9 P.T. Crăciunaș, **N.A. Secelean**, S. Crăciunaș: *Elemente de Teoria Distribuțiilor*, Ed. Universității “Gheorghe Asachi”, Iași, 2002, ISBN: 973-8292-99-9, 246 pages
- C10 S. Crăciunaș, **N.A. Secelean**, P.T. Crăciunaș: *Analiză Funcțională, noțiuni fundamentale*, Editura ULB, Sibiu, 2000, ISBN: 973-651-103-0, 158 pages
- C11 I. Chițescu, **N.A. Secelean**: *Elemente de Teoria Măsurii și Integralei*, Ed. “România de Mâine”, București, 1999, ISBN: 973-582-140-0, 262 pages
- C12 **N.A. Secelean**: *Probleme de Topologie*, Editura ULB, Sibiu, 1995 ISBN: 973-95604-2-9, 130 pages
- C13 S. Crăciunaș, **N. Secelean**, P. Crăciunaș: *Elemente de Topologie*, Editura ULB, Sibiu, 1993, ISBN: 973-95604-6-6, 102 pages

Articles/studies in extenso, published in journals from the main international scientific flux

Articles in ISI journals

1. E.C. Popa, **N.A. Secelean**, *Estimates for the constants of Landau and Lebesgue via some inequalities for the Wallis ratio*, Journal of Computational and Applied Mathematics, Vol. **269** (2014), 68-74, DOI: 10.1016/j.cam.2014.03.020
<http://dx.doi.org/10.1016/j.cam.2014.03.020>
2. **N.A. Secelean**, *Generalized Iterated Function Systems on the space $l^\infty(X)$* , Journal of Mathematical Analysis and Applications, Vol. 410, Issue 2, 15. Feb. 2014, 847-858, DOI:10.1016/j.jmaa.2013.09.007
<http://authors.elsevier.com/sd/article/S0022247X13008196>
3. **N.A. Secelean**, *Iterated Function Systems consisting of F-contractions*, Fixed Point Theory and Applications, 2013, **2013**:277, DOI:10.1186/1687-1812-2013-277,
<http://www.fixedpointtheoryandapplications.com/content/2013/1/277>
4. M. Olaru, **N.A. Secelean**, *Vector comparison operators in cone metric spaces*, Mathematical Report, Vol. **16** (66), No.3 (2014), 431-442
http://imar.ro/journals/Mathematical_Reports/Mrc14_3.pdf
5. **N.A. Secelean**, *Invariant measure associated with a Generalized Countable Iterated Function System*, Mediterranean Journal of Mathematics, **11** (2014), 361-372, DOI 10.1007/s00009-013-0300-2
<http://link.springer.com/article/10.1007%2Fs00009-013-0300-2>
6. L. Suciu , W. Majdak , **N.A. Secelean**, *Ergodic properties of operators in some semi-Hilbertian spaces*, Linear and Multilinear Algebra, vol. **61**, issue 2, 2013, p.139-159 DOI: 10.1080/03081087.2012.667094
<http://www.tandfonline.com/doi/abs/10.1080/03081087.2012.667094#.UjAuI39DfXQ>
7. **N.A. Secelean**, *The existence of the attractor of countable iterated function systems*, Mediterranean Journal of Mathematics, No. 1, Vol. **9**, 2012, pp. 61-79 DOI: 10.1007/s00009-011-0116-x,
<http://link.springer.com/article/10.1007%2Fs00009-011-0116-x#page-1>
8. E.C. Popa, **N.A. Secelean**, *On some inequality for the Landau constants*, Taiwanese Journal of Mathematics, Vol.**15**, No.**4**, August 2011, p. 1457-1462,
<http://journal.taiwanmathsoc.org.tw/index.php/TJM/article/view/5/5>
9. **N.A. Secelean**, *Continuous dependence on a parameter of the countable fractal interpolation Function*, Carpathian Journal of Mathematics, **27**, 2011, No.1, p.131-141
http://carpathian.ubm.ro/?m=past_issues
10. **N.A. Secelean**, *Fractal countable interpolation scheme: existence and affine invariance*, Mathematical Reports, Volume: **13**, Issue: **1**, 2011, p. 75-87,
http://imar.ro/journals/Mathematical_Reports/volumes.html

11. (ISI) A Mihail, N.A. Secelean, On the connectivity of the attractors of recurrent iterated function systems, Mathematical Reports, vol. 13(63), No. 4, 2011, p. 363-376, http://imar.ro/journals/Mathematical_Reports/volumes.html

12. N.A. Secelean, Generalized countable iterated function systems, Filomat, 25:1 (2011), p.21-36,DOI:10.2298/FIL1101021S, <http://www.pmf.ni.ac.rs/pmf/publikacije/filomat/2011/F25-1-2011/25-1-2011-contents.htm>

13. E. de Amo, I. Chişescu, M. Díaz Carrillo, N.A. Secelean: A new approximation procedure for fractals, Journal of Computational and Applied Mathematics, vol. 151, Issue 2, 2003, p.355-370,DOI:10.1016/S0377-0427(02)00752-5, <http://www.sciencedirect.com/science/article/pii/S0377042702007525>

Other articles in journals indexed in international data basis

14. N.A. Secelean: Approximation of the attractor of a countable iterated function system, General Mathematics, nr.3, vol.17, 2009, p.221-231 ([Zbl 1199.28033](http://zb1.1199.28033)) <http://depmath.ulbsibiu.ro/genmath/gm/vol17nr3/cuprins173.html>

15. M. Bezzarga, E. Moldoveanu, N. Secelean: Dual Resolvent for Semi-dynamical Systems, Buletin Ştiinţific - University of Piteşti, Ser. Mathematics and Informatics, Nr. 11, 2005, p.27-44, ([Zbl 1249.31009](http://zb1.1249.31009))

16. N.A. Secelean: Parameterized curve as attractors of some countable iterated function systems, Archivum Mathematicum, Tomus 40, 2004, p.287-293 ([Zbl 1115.28008](http://zb1.1115.28008)) <http://dml.cz/dmlcz/107911>

17. N.A. Secelean: The fractal interpolation for countable systems of data, Publications of the Faculty of Electrical Engineering, University of Belgrade, vol.14, 2003, p.11-19 ([Zbl 1090.28006](http://zb1.1090.28006))

18. N.A. Secelean: Some continuity and approximation properties of a countable iterated function system, Mathematica Pannonica, vol.14, nr.2, 2003, p.237-252 ([Zbl 1048.37021](http://zb1.1048.37021)) http://ttk.pte.hu/mii/html/pannonica/index_elemei/vol_14_2_cont.htm

19. N.A. Secelean: A sufficient condition for the existence of invariant set for a system of functions, Analele Universităţii Bucureşti, vol.51, 2002, p. 189-196 ([Zbl 1084.47526](http://zb1.1084.47526))

20. N.A. Secelean: The Invariant Measure of an Countable Iterated Function System, Seminarberichte aus dem Fachbereich Mathematik, Band 73, 2002, p.3-10 https://www.fernuni-hagen.de/mathinf/forschung/berichte_mathematik/bericht_2002.shtml

21. N.A. Secelean: The Hausdorff Dimension and the Similarity in Case of Countable Iterated Function System, Seminarberichte aus dem Fachbereich Mathematik, Band 73, 2002, p.41-52

https://www.fernuni-hagen.de/mathinf/forschung/berichte_mathematik/bericht_2002.shtml

22. **N.A. Secelean:** *The code space associated with a Countable Iterated Function System*, General Mathematics, vol. **9**, nr.3-4, 2001, p.61-70 ([Zbl 1073.37506](#))
23. **N.A. Secelean:** *Any compact subset of a metric space is the attractor of a CIFS*, Bull. Math. Soc. Sc. Math. Roumanie, tome **44** (92), nr.3, 2001, p.77-89, ([Zbl 1052.37012](#))
24. **N.A. Secelean:** *Countable Iterated Function Systems*, Far East Journal of Dynamical Systems **3**(2), 2001, p.149-167 ([Zbl 1004.28002](#))
http://www.pphmj.com/article.php?act=art_view&search=secelean
25. **N.A. Secelean:** *Generation of some fractals*, Bull. Math. Soc. Sc. Math. Roumanie, tome **44** (92), nr.1, 2001, p.77-89, ([Zbl 1049.28008](#))
26. **N.A. Secelean:** *Some convergence properties in the Hausdorff-Pompeiu metric*, General Mathematics, vol. **8**, nr.1-2, 2000, p.45-53 ([Zbl 1240.54100](#))
<http://depmath.ulbsibiu.ro/genmath/gm/vol8/cuprins8.html>
27. **N.A. Secelean:** *Some sets of non-integral dimension*, Mathematical Reports, tom.**49**, nr.3-4, 1997, p.267-276 ([Zbl 0885.28004](#))
28. **N.A. Secelean:** *Some dimension results for Cartesian product sets*, General Mathematics, vol. **2**, nr.3, 1994, p.127-132

Publications in extenso, in proceedings of the main specific international conferences

Not applicable

Other papers and scientific contributions

- C14.** D. Acu, A. Bucur, **N.A. Secelean**, E. Drăghici, *Proceedings of the 6th annual conference of the Romanian Society of Mathematical Sciences, Sibiu, Romania, May 23-25, 2002. Vol. I.*, Editura ULB, Sibiu, xiv, 2003, 368 p. ISBN: 973-651-634-2 ([Zbl 1015.00014](#));
- C15.** D. Acu, A. Bucur, **N.A. Secelean**, E. Drăghici, *Proceedings of the 6th annual conference of the Romanian Society of Mathematical Sciences, Sibiu, Romania, May 23--25, 2002. Vol.II.* Editura ULB, Sibiu, ii, 2003, 192 p. ISBN: 973-651-649-0 ([Zbl 1015.00015](#));

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