

**Publications List of
Prof. D. Sc. Stepan Agop Tersian,
Institute of Mathematics and Informatics,
Bulgarian Academy of Sciences,
G. Bonchev str. 8, 1113 Sofia, Bulgaria
e-mails: sterzian@uni-ruse.bg,
stepan.tersian201@gmail.com**

H-index (WoS) = 14, Publications 53, Times cited without self-citations 621,
https://apps.webofknowledge.com/CitationReport.do?product=WOS&search_mode=CitationReport&SID=E6mqOMjjswPlynBrN9p&page=1&cr_pqid=1&viewType=summary&colName=WOS

H-index (Scopus) = 15, Documents: 52, 745 total citations by 508 documents,
Coauthors 38. (January 2020)
<http://www.scopus.com/authid/detail.url?authorId=6603227428>

H-index (GoogleScholar) = 20 , i10 index=31, citations 1309,
https://scholar.google.com/citations?user=JSOIM_YAAAAJ&hl=en

I. Monographs

- I. 3. Stavroulakis I.P., S.A. Tersian. Partial Differential Equations, An Introduction with Mathematica and Maple, Second edition. Singapore, World Scientific, 2004, ISBN 981-238-815-X.
- I. 2. Grossinho M.R. S.A. Tersian. An Introduction to Minimax Theorems and their Applications to Differential Equations. Dordrecht/Boston/London, Kluwer Academic Publishers, 2001, ISBN 0-7923-6832-0.
- I. 1. Stavroulakis I.P., S.A. Tersian. Partial Differential Equations, An Introduction with Mathematica and Maple, First Edition. Singapore, World Scientific, 1999, ISBN 9810238916.

II. Articles published in journals

- II.71. Dimitrov, N., Tersian, S., Existence of homoclinic solutions for a nonlinear fourth order p-Laplacian difference equation, Discrete and Continuous Dynamical Systems - Series B Volume 25, Issue 2, 2020, Pages 555-567, DOI: 10.3934/dcdsb.2019254 (CiteScore 2018, 1.12) <https://www.scopus.com/authid/detail.uri?authorId=6603227428>
- II.70. Nyamoradi, N., Tersian, S. Multiplicity of solutions of Dirichlet's problems for fourth-order p-Laplacian differential equations Fractional Calculus and Applied Analysis Volume 22, Issue 4, 1 August 2019, Pages 945-967, DOI: 10.1515/fca-2019-0051 (CiteScore 2018, 3.44) <https://www.scopus.com/authid/detail.uri?authorId=6603227428>
- II.69. N. Dimitrov, S. Tersian, Homoclinic solutions for a class of nonlinear fourth order p-laplacian differential equations, Applied Mathematics Letters, Volume 96, October 2019, Pages 208-215, <https://doi.org/10.1016/j.aml.2019.05.004> (IF 3.487) <https://www.sciencedirect.com/science/article/pii/S0893965919301892>

II.68. Giuseppe Caristi, Shapour Heidarkhani, Amjad Salari, Stepan A.Tersian. Multiple solutions for degenerate nonlocal problems. *Applied Mathematics Letters*, 2018, No 84, pp. 26-33, ISSN 0893-9659. (IF: 2.233 /2017, <https://www.journals.elsevier.com/applied-mathematics-letters/recent-articles>)

II.67. Heidarkhani S., Moradi Sh., Tersian Stepan A. Three solutions for second-order boundary-value problems with variable exponents. *Electron. J. Qual. Theory Differ. Equ.*, 2018, No 33, pp. 1-19, ISSN HU ISSN 1417-3875. (Impact factor: 0.926 /2017, <https://www.scijournal.org/impact-factor-of-ELECTRON-J-QUAL-THEO.shtml>)

II.66. M. Khaleghi Moghadam, L. Li, S. Tersian. Existence of Three Solutions for a Discrete Anisotropic Boundary Value Problem, *Bulletin of the Iranian Mathematical Society*, V. 44, Issue 4, pp.1091-1107, Aug 1 2018. <https://doi.org/10.1007/s41980-018-0073-2> (IF: 0.28 /2017).

II.65. Lorena Saavedra, Stepan Tersian, Existence of solutions for 2 n th-order nonlinear p -Laplacian differential equations *Nonlinear Analysis: Real World Applications* 34 (2017) 507–519 (IF 2.238).

II.64.A. CABADA, R. PRECUP, L. SAAVEDRA, S. A. TERSIAN. MULTIPLE POSITIVE SOLUTIONS TO A FOURTH ORDER BOUNDARY VALUE PROBLEM., *Electronic Journal of Differential Equations*,, 2016, No Vol. 2016, pp. 1-18, ISSN ISSN: 1072-6691. (IF 0.817).

II.63. Pavel Drábek, Martina Langerová, Stepan Tersian, Existence and multiplicity of periodic solutions to one-dimensional p -Laplacian, *Electronic Journal of Qualitative Theory of Differential Equations* 2016, No. 30, 1–9; doi: 10.14232/ejqtde.2016.1.30. (IF 0.817).

II.62. Diego Averna, Stepan Tersian, Elisabetta Tornatore, ON THE EXISTENCE AND MULTIPLICITY OF SOLUTIONS FOR DIRICHLET'S PROBLEM FOR FRACTIONAL DIFFERENTIAL EQUATIONS, *Fract. Calc. Appl. Anal.*, v.19, N 1, (2016), pp. 253–266, DOI: 10.1515/fca-2016-0014. (IF 2.246).

II. 61. Giuseppina D'Agui, Beatrice Di Bella, Stepan Tersian, Multiplicity results for superlinear boundary value problems with impulsive effects, *Math. Meth. Appl. Sci.* 2016, 39 1060–1068. (IF 1.002).

II.60. Armin Hadjian, Stepan Tersian, Existence results for a mixed boundary value problem, *Electronic Journal of Qualitative Theory of Differential Equations*, 2015, No. 78, 1–15; doi: 10.14232/ejqtde.2015.1.78 <http://www.math.u-szeged.hu/ejqtde/> (IF 0.817).

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II. 58. G D'Agui, B Di Bella, S Tersian, [Multiplicity results for superlinear boundary value problems with impulsive effects](#), *Mathematical Methods in the Applied Sciences*, 2015, Article first published online: 23 JUN 2015, DOI: 10.1002/mma.3545 (IF 0.918).

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- II. 54. Cabada A, S. Tersian. Multiplicity of solutions of a two point boundary value problem for a fourth-order equation.// *Applied Mathematics and Computation*, 2013, No 01/2013; 219, pp. 5261–5267 (IF: 1.32 /2011) .
- II. 53. Iannizzotto A., S.A. Tersian. Multiple homoclinic solutions for the discrete p -Laplacian via critical point theory.// *Journal of Mathematical Analysis and Applications*, 2013, No 403 (1), pp. 173-182, ISSN ISSN: 0022-247X. (*SJR rank: 1.172 /2012*). (IF 1.05)
- II.52. KELEVEDJIEV P., S.A.TERSIAN. THE BARRIER STRIP TECHNIQUE FOR A BOUNDARY VALUE PROBLEM WITH P-LAPLACIAN.// *Electronic Journal of Differential Equations*, 2013, No Vol. 2013 (2), 28, pp. 1-8 (IF: 0.427 /2009, TRWK)
- II. 51. S. Tersian, On symmetric positive homoclinic solutions of semilinear p -Laplacian differential equations. *Boundary Value Problems* 2012, **2012**:121, <http://www.boundaryvalueproblems.com/content/2012/1/121> (IF 0.92) .
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- II. 45. Kelevedjiev P.S., S. Tersian. Singular and nonsingular first-order initial value problems.// *Journal of Mathematical Analysis and Applications* (IF 1.225), 2010, No 366,2, pp. 516-524.
- II. 44. KRISTALY A., M. MIHAILESCU, VI. RADULESCU, St. TERSIAN. SPECTRAL ESTIMATES FOR A NONHOMOGENEOUS DIFFERENCE PROBLEM.// *Communications in Contemporary Mathematics*, World Scientific (IF 0.836), 2010, No 6, pp. 1015–1029.
- II. 43. Aprahamian, M., D. Souroujon, S. Tersian. Fast solutions for a second-order difference equation related to fisher-kolmogorov's equation.// *Comptes Rendus de L'Academie Bulgare des Sciences* (IF 0.146), 2009, No 62(6), pp. 663-670.
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- II. 41. Dimitrov N., St. Tersian. Some inequalities for Sobolev integrals.// *Electronic Journal of Differential equations*, 2009, No 2009, pp. 1-11.
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- II. 37. Morosanu G., D. Souroujon, S. Tersian,. Homoclinic Solutions of a Fourth-order Travelling Wave ODE.// *Portugaliae Mathematica*, 2007, No 64,3.
- II. 36. Gyulov T., G. Morosanu, S. Tersian. Existence for a semilinear sixth-order ODE.// *J.Math.Anal. Appl.* (IF 0.758), 2006, No 321, pp. 86- 98 .
- II. 35. Chaparova J., L. Peletier, S. Tersian. Existence and nonexistence of nontrivial solutions of semilinear sixth-order ordinary differential equations.// *Appl. Math. Letters* (IF 0.395), 2004, No 17 (10), pp. 1207-1212, ISSN 0893-9659.
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- II. 33. Gyulov T., S. Tersian. Existence of trivial and nontrivial solutions of a fourth-order ordinary differential equation.// *Comptes rendus de l'Académie bulgare des Sciences*, 2004, No 57, pp. 23-28 .
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- II. 5. Tersian, S. A class of differential games without equivalent and interchangeable equilibrium states. Research works of Techn. University of Rouse, 1984, No v. XXVI, Ser, pp. 39-46.
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- III.31. Stepan A. Tersian, Multiplicity of solutions of Dirichlet's problems for fourth-order p-Laplacian differential equations, AIP Conference Proceedings 2048, 040001 (2018); doi: 10.1063/1.5082073, <https://doi.org/10.1063/1.5082073>, Published by the American Institute of Physics.
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IV. Textbooks

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IV.2. Терзиян С., Ю. Чапарова. Обикновени диференциални уравнения. Въведение с използване на Mathematica. Русе, Печатна база на РУ, 2005, ISBN 954-712-300-9.

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V. Editor

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V. 2. Differential equations and applications. Proceedings of CDE' V, Ruse, 1995, editors:S. Biltchev, S. Tersian.

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