

CV
Vasilis K. Oikonomou
Date of Birth: 14 May 1979, Marousi, Athens

e-mail: v.k.oikonomou1979@gmail.com
voikonomou@auth.gr
voiko@physics.auth.gr
voikonomou@gapps.auth.gr

EDUCATION

- PhD in Theoretical Particle and Mathematical Physics, Aristotle University of Thessaloniki, Physics Department, Quantum Field Theories at Finite Temperature and Volume
- Diploma in Physics, Aristotle University of Thessaloniki, Physics Department
- Master Degree in Chemical Education, Chemistry Department, Aristotle University of Thessaloniki

PROFESSIONAL EXPERIENCE

- Staff tenure, Physics Department Aristotle University of Thessaloniki
- Post-Doc Researcher at Max-Planck Institute for Mathematics in the Sciences, Leipzig Germany, Jürgen Jost Group
- Scientific Associate, Technological Institute Serres
- European Union Funding : Supersymmetric Scenarios for Colliders and the Universe

LECTURES AT ARISTOTLE UNIVERSITY OF THESSALONIKI

- Mathematical Analysis I (Postgraduate Compulsory Course, Physics Department)
- Mathematical Analysis II (Postgraduate Compulsory Course, Physics Department)
- Theoretical Mechanics (Postgraduate Compulsory Course, Mathematics Department)
- Advanced Theoretical Mechanics (Master Course, Physics Department)
- Mathematical Methods for Physicists (Master Course, Physics Department)
- Relativistic Quantum Mechanics (Master Course, Physics Department)

INTERNATIONAL COLLABORATIONS AND INTERNATIONAL MEMBERSHIP

- Member of LISA Cosmology Working Group (LISA CosWG), papers: 2204.05434
- Member of LISA Greek Working Group, white papers: 2209.04358
- ITP, Goethe University, Frankfurt, Germany, 2022-
- Collaboration with Tomsk State Pedagogical University and TUSUR, Tomsk, Russia, 2011-2022
- Collaboration with ICE-ICREA, Barcelona, Spain, 2014-
- Collaboration with Max-Planck Institute for Mathematics in the Sciences, Leipzig, Germany, 2011-
- Tuebingen University, Germany, 2019-
- International Hellenic University, 2011-2020

FUNDED SCIENTIFIC VISITS

- Institute of Theoretical Physics, Goethe University, Frankfurt, Germany, 2024
- Institute of Theoretical Physics, Goethe University, Frankfurt, Germany, 2022
- Max-Planck Institute for Mathematics in the Sciences, Leipzig, Germany, 2014
- Max-Planck Institute for Mathematics in the Sciences, Leipzig, Germany, 2018
- Tuebingen University, ITAAT, Germany 2019
- Laboratory for Theoretical Cosmology, Tomsk State University of Control Systems and Radioelectronics, 634050 Tomsk, Russia (TUSUR), Tomsk State Pedagogical University, 2015
- Laboratory for Theoretical Cosmology, Tomsk State University of Control Systems and Radioelectronics, 634050 Tomsk, Russia (TUSUR), Tomsk State Pedagogical University, 2016
- Laboratory for Theoretical Cosmology, Tomsk State University of Control Systems and Radioelectronics, 634050 Tomsk, Russia (TUSUR), Tomsk State Pedagogical University, 2017
- Laboratory for Theoretical Cosmology, Tomsk State University of Control Systems and Radioelectronics, 634050 Tomsk, Russia (TUSUR), Tomsk State Pedagogical University, 2018

GREEK RESEARCH PROJECTS-GRANTS

12 completed Research Grants, completed with International Hellenic University, 2011-2020

SCIENTIFIC INTERESTS

Cosmology, Inflationary Cosmology, Modified Theories of Gravity, Physics of the Early Universe, Dark Energy, Dark Matter, Supersymmetry, Mathematical Physics, High Energy Physics, Theoretical Physics, Epistemic Game Theory, Game Theory

PUBLICATIONS

270 articles (in 266 corresponding author), 93 single author, in international journals with referees in the field of cosmology, theoretical physics, theoretical astrophysics and mathematical physics, game theory, physical chemistry. 5 Publications in conference proceedings with referees. 3 Publications on Mathematical Economics and Game Theory. 2 Publications in Chemistry-Chemical Physics. 2 Publications-contributions in International Collective Volumes in Physics and Mathematical Physics.

h-index: 55 (Scopus 2026)

DISSEMINATION OF SCIENCE-PUBLIC OUTREACH

- My youtube lectures for Python programming for physicists and engineers:
<https://www.youtube.com/channel/UCR1fcHKAqWJvaTogcGBbJg>
- In charge of the public outreach lectures in the physics department of Aristotle University of Thessaloniki. For the program of the lectures see
<https://people.auth.gr/voikonomou/>
<https://x.com/OmadaAUTH>

PRIZES-AWARDS-DISTINCTIONS

- Serbian Academy of Nonlinear Sciences Prize, 2025
- Silver Medal, Tomsk State Pedagogical University, Russian Federation, 2021
- Bronze Medal, Tomsk State Pedagogical University, Russian Federation, 2018
- Honorary Full Professor, Tomsk State Pedagogical University, Russian Federation, 2021
- Highly Cited Researchers 2% Harvard list, years 2019-2026

COMMISSIONS OF TRUST

Editorial Board of International Refereed Journals

- Editor in Chief of the international journal “Symmetry” MDPI
- Member of the Editorial Board of the “International Journal of Geometric Methods of Modern Physics”
- Member of the Editorial Board of the journal “Russian Physics Journal” Springer Nature
- Executive Guest Editor in Physics of the Dark Universe 2024
- Member of the Editorial Board of the international journal “Symmetry” MDPI
- Member of the Editorial Board of the Journal of Modern Physics 2016-2024
- Advisory Board of “SCI” MDPI 2019-2024
- Reviewer Board of the journal “Universe” MDPI
- *Guest Editor* of Physics of the Dark Universe for the special issue: Proceedings of the International Conference ”Cosmology and Astrophysics in the Gravitational Wave Astronomy Era 06-10 May 2024” 2024
- *Guest Editor* of Symmetry for the special issue; Cosmology and Extra-galactic Astronomy, 2020-
- *Guest Editor* of Symmetry for 2015-2016 for the special issue Revealing the Symmetries of the Universe: Dark Energy, Inflation and Modified Gravity
- *Guest Editor* of the journal Universe for the special issue F(R) Gravity Cosmology 2018
- *Guest Editor* of Symmetry for the special issue “Inflationary Universe” 2018
- *Guest Editor* of Symmetry for the special issue “Mathematical Cosmology” 2018
- *Guest Editor* of Symmetry for the special issue “Cosmology and Extragalactic Astronomy” 2020-2021

Evaluator for International Research Programs

- External Evaluator for the Alexander von Humboldt Foundation
- External Evaluator for the Austrian Science Fund (FWF)
- External Evaluator for the KU Leuven Research Council
- External Evaluator of Scientific Projects-Proposals for the Dutch Research Council (NWO) Netherlands
- External Evaluator of Scientific Projects-Proposals for INFN, Italy
- External Evaluator of Scientific Projects-Proposals for the Royal Czech Science Foundation-GRS, Czech Republic
- External Evaluator of Scientific Projects-Proposals for the Italian Ministry of Education

- External Evaluator of Scientific Projects-Proposals for the National Science Center, Poland
- External Evaluator of Chilean National Science and Technology Commission (CONICYT - Chile)
- External Evaluator for South Africa National Research Foundation
- Book and Proposal Evaluator for Elsevier
- PhD Evaluator for Napoli University
- PhD Evaluator for British University of Egypt
- PhD Evaluator for Abdul Wali Khan University Mardan

SUPERVISION OF GRADUATE AND UNDERGRADUATE STUDENT AND ARTICLES WITH THEM

COMPLETED

- Diploma Thesis of Student in Technological Educational Institute of Central Macedonia, Serres, Greece with title: Quantum information theory and Quantum computers-2010
- Nicholas Chantzarakis, MSc Diploma Thesis, from Aristotle University → fully funded PhD at Trinity College, Dublin, Ireland (full scholarship), publications in international journals with referees: arxiv numbers: 2009.12897, 1908.09218, 1908.08141, 1907.00403, 1905.01904
- Fotis Fronimos, Research Supervision, from Aristotle University → MSc at Institute of Theoretical Physics, Heidelberg, Germany, publications in international journals with referees: arxiv numbers: 2108.11231, 2108.10841, 2102.02239, 2101.00660, 2011.08680, 2011.03828, 2010.13580, 2009.12897, 2009.06113, 2007.11915, 2007.02309, 2006.05512, 2004.08884, 2003.13724
- Ifigeneia Giannakoudi, Diploma Thesis, from Aristotle University → MSc at Institute of Theoretical Physics, Perimeter Institute, Canada (full scholarship), publications in international journals with referees: arxiv numbers: 2205.08599, 2204.02454, 2105.11935
- Kostas Revis, Diploma Thesis, from Aristotle University → MSc at Aachen RWTH, Institute of Theoretical Physics, Germany, publications in international journals with referees: arxiv numbers: 2105.11935
- Eirini Lymperiadou, Supervision of Research, from Aristotle University → MSc at Bonn, Institute of Theoretical Physics, Germany (full scholarship), publications in international journals with referees: arxiv numbers: 2206.00721
- Stavros Venikoudis, MSc Diploma thesis, from Aristotle University → PhD at University of Louvain, Belgium (full scholarship), publications in international journals with referees: arxiv numbers: 2009.06113
- Iordanis Sarikeisoglou, Diploma thesis-Bibliographic on Mathematical Modelling in Game Theory, from Aristotle University → MSc at University of Thessaloniki and data analysis career, Greece, Department of Mathematics.
- Achilleas Gitsis, MSc Diploma thesis, from Aristotle University → PhD at University of Wroclaw, Poland (full scholarship), publications in international journals with referees: arxiv numbers: 2108.11324, 2105.11935
- Kostas Fasoulakos, Diploma thesis, from Aristotle University → Data Analyst, publications in international journals with referees: arxiv numbers: 2010.13580
- Panos Katzanis, MSc Diploma thesis, from Aristotle University → Prague Charles University (full scholarship) **declined**, Brno Full scholarship, **declined**, MSc Hellenic University and Data Analyst, publications in international journals with referees: arxiv numbers: 2203.09867
- Ilias C. Papadimitriou, Diploma thesis, from Aristotle University → Utrecht University, full scholarship by Union of Greek Shipowners, publications in international journals with referees: arxiv numbers: 2203.09867

- Kostas Folias, MSc Diploma thesis, bibliographic thesis
- Apostolos Giovanakis, Diploma thesis, from Aristotle University → Zurich ETH Master Program, full scholarship by Union of Greek Shipowners and Onassis Foundation, papers 2403.01591
- Maria-Myrto Pegioudi, Diploma thesis, from Aristotle University → MSc Ecole Polytechnique, full scholarship by French Government, 2303.14724
- Gregory Kafanelis, Diploma thesis, from Aristotle University → MSc, LMU Munich, full scholarship by Union of Greek Shipowners, and DAAD, 2312.16324
- Ardit Gioni, Master Thesis, from Aristotle University → PhD Universidad de Zaragoza, 2503.17851
- Iason Sdranis, Master Thesis, 2503.17851

REVIEWER IN JOURNALS

1. Physical Review D
2. Physics Letters B
3. Nuclear Physics B
4. Classical and Quantum Gravity
5. Journal of Cosmology and Astroparticle Physics (JCAP)
6. Physics Letters A
7. Monthly Notices of the Royal Astronomical Society
8. Journal of High Energy Astrophysics
9. Annals of Physics
10. The Astrophysical Journal
11. General Relativity and Gravitation
12. Fortschritte der Physik
13. Science Bulletin
14. Astrophysics and Space Science
15. Zeitschrift für Naturforschung A
16. Physics of the Dark Universe
17. International Journal of Modern Physics D
18. International Journal of Modern Physics A
19. New Astronomy Elsevier
20. Journal of Physics A
21. Gravitation and Cosmology
22. European Physical Journal C (EPJC)
23. European Physical Journal Plus
24. Chinese Journal of Physics C
25. Scientific Reports, Nature Springer
26. Foundations of Physics

27. International Journal of Geometric Methods of Modern Physics
28. Journal of Modern Physics
29. Advances in High Energy Physics
30. Advances in Astronomy
31. Information Sciences, Elsevier
32. Symmetry
33. Entropy
34. Canadian Journal of Physics
35. Royal Society Open Source
36. International journal of
37. Chinese Journal of Physics Mathematics and Statistics
38. Chinese Journal of Physics
39. Journal of Gravity
40. Universe MDPI
41. Advanced Quantum Technologies
42. Universal Journal of Physics and Application
43. Theory in Biosciences
44. Asian Journal of Mathematics and Computer Research Physical Science International Journal
45. Computer Science
46. Journal of Basic and Applied Research international ? Journal of Applied Physical Science International
47. "Nuovo Cimento, Advances in Physics"
48. Universal Journal of Physics and Application
49. Proceedings of the National Academy of Sciences, Physical Sciences (NASA)
50. Physics Essays
51. Asian Journal of Mathematics and Computer Research
52. Hadronic Journal
53. Journal of Geography, Environment and Earth Science International
54. Mathematical Reviews

ORGANIZING COMMITTEE OF INTERNATIONAL CONFERENCES AND MEETINGS

- Local Organizing Committee of Cosmology and Astrophysics in the Gravitational Wave Astronomy Era 06-10 May 2024, Thessaloniki, Greece
- Local Organizing Committee of "Cosmology and Quantum Vacuum 2015, June 2015, Rhodes Greece
- International Advisory Board of "Siberian Cosmology Days 2015", Tomsk, August 2015
- First TUSUR Cosmological Conference, Tomsk, Russia, August 2016
- Local Organizing Committee of "Mini-Workshop on Gravitation and Cosmology", July 2017, Rhodes Greece

- Local Organizing Committee of “Siberian Cosmology Days 2018”, August 2018, Tomsk, Russian Federation
- Organizing Committee of “Siberian Spring Cosmology”, March 2019, Tomsk, Russian Federation
- Organizing Committee of “Recent Advances in Theoretical Cosmology and Astrophysics”, December 2021, Thessaloniki, Greece, online conference
- Organizing Committee, “5th Institute of Space Sciences Summer School (2022), Modified Gravities, Inflation, Primordial Perturbations: Theory and Computing”, July 2022, Barcelona, Spain. Fully funded by ICE-ICREA, funding obtained on a competitive basis via proposal submission.

CONFERENCES/SUMMER SCHOOLS

- Spring School for Gravity and Cosmology 2025, Penteli, National Observatory of Athens, May 2025, Invited Lecturer
- Cosmology and Astrophysics in the Gravitational Wave Astronomy Era, May 2024, Thessaloniki, Greece **Organizer**
- 5th Institute of Space Sciences Summer School on modified gravity, inflation and gravitational waves, July 2022, Barcelona, Spain **Organizer**
- 4th Conference “Physics of Aqueous Solutions” December 2021, Moscow, Russian Federation, online conference **invited talk**.
- Recent Advances in Theoretical Cosmology and Astrophysics, December 2021, Thessaloniki, Greece, online conference **Organizer**
- Cosmology and the Quantum Vacuum 2019, April 2019, Barcelona, Spain **invited talk**
- Siberian Cosmology Days 2018, Tomsk, August 2018, Russian Federation **invited talk**
- 2018 April, Brain storming on neutron stars in modified gravity, Barcelona, Spain **invited talk**
- “Mini-Workshop on Gravitation and Cosmology”, July 2017, Rhodes Greece **Organizer**
- August 2016 Quantum Field Theory and Gravity 2016, Tomsk Russia **invited talk**
- August 2016 First TUSUR Cosmological Conference, Tomsk, Russia, **invited talk**
- July 2015 Compact Stars and Black Holes, Tuebingen, Germany **invited talk**
- June 2015 Cosmology and the Quantum Vacuum, Rhodes, Greece (**Organizer**)
- September 2014 Cosmology and Quantum Vacuum, Benasque Spain **invited talk**
- June 2013 Prague, Quantum Symmetries and Integrability **invited talk**
- September 2012 ICMSQUARE, Budapest, **invited talk**
- October 2012 Leipzig, Symposium on Money Value and Capital Transfers
- January 2012 Leipzig, Rationalizability and Economics
- September 2006 Renormalization Group Equations 2006, Leykada, Greece
- University of Athens September 2005 Third Aegean Summer School on Cosmology and the Early Universe, Chios, Greece
- National Technical University of Athens April 2005 Recent Developments In High Energy Physics, Thessaloniki, Aristotle University of Thessaloniki, Greece
- May 2004 Italo-Hellenic School of Physics 2004, The Physics of LHC, Lecce, Italy, University of Lecce
- September 2003 Second Aegean Summer School on Cosmology and the Early Universe, Syros, Greece

- National Technical University of Athens April 2003 Recent Developments In High Energy Physics, Athens, National Technical University of Athens
- April 2002 Recent Developments In High Energy Physics, Patras, University of Patras September
- 2001 Corfu Summer Institute on Elementary Particle Physics, Corfu, National Technical University of Athens
- July 2001 "Non Linear Dynamics", Patras, University of Patras, Greece

COMPUTER SKILLS AND LANGUAGES

- MsOffice in Windows, Word, Excel, Access, Internet Explorer, Outlook, PowerPoint, Degrees: Foundation Level Certificate, University of Cambridge, Advanced level Certificate Excellent knowledge of: Mathematica, Maple, Adobe Dreamweaver, Adobe Photoshop 7, Origin, Latex, HTML 4, Director MX
- Excellent knowledge of PYTHON 3.8 for scientific numerical problems in physics.
- Excellent knowledge of English (written/oral skills)
- Italian (Daily Life Knowledge Level)

PUBLICATIONS IN ECONOMICS IN INTERNATIONAL JOURNALS WITH REFEREES

1. Periodic Strategies a New Solution Concept-Algorithm for non-trivial Strategic Form Games, V.K. Oikonomou, Juergen Jost, Advances in Complex Systems, Vol. 20, No. 5 (2017) 1750009
2. Periodic Strategies II: Generalizations and Extensions, V.K. Oikonomou, Juergen Jost, Advances in Complex Systems: Vol. 23, No. 02, 2050005 (2020), arXiv:2005.12832
3. Periodic Strategies and Rationalizability in Perfect Information 2-Player Strategic Form Games, V.K. Oikonomou, Juergen Jost, Journal of Physics: Conference Series, Volume 410, Issue 1, 012070 (2013)

PUBLICATIONS IN CHEMISTRY

1. On Non-Linear Behavior of Viscosity in Low-Concentration Solutions and Aggregate Structures, V.K. Oikonomou, **Symmetry** 2018, 10(9), **368**
2. Towards Modelling Mechanical Shaking Using Potential Energy Surfaces: A Toy Model Analysis Odintsov, S.D. , Oikonomou, V.K. **Symmetry**, 2024, 16(5), 572
3. Potential energy surfaces and phase transitions, V.K. Oikonomou, Russian Physics Journal 68(5) 2025

PUBLICATIONS IN THEORETICAL PHYSICS, MATHEMATICAL PHYSICS, HIGH ENERGY PHYSICS, THEORETICAL ASTROPHYSICS AND THEORETICAL COSMOLOGY IN INTERNATIONAL JOURNALS WITH REFEREES

- [1] S. D. Odintsov, **V. K. Oikonomou** and G. S. Sharov, [arXiv:2601.06949 [gr-qc]].
- [2] **V. K. Oikonomou**, E. I. Manouri and G. Konstantellos, [arXiv:2601.06946 [gr-qc]].
- [3] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, [arXiv:2601.07879 [gr-qc]].
- [4] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, [arXiv:2512.06279 [gr-qc]].
- [5] **V. K. Oikonomou**, [arXiv:2511.13929 [astro-ph.CO]].
- [6] **V. K. Oikonomou**, Eur. Phys. J. C **85** (2025) no.10, 1207 doi:10.1140/epjc/s10052-025-14956-7 [arXiv:2510.16921 [hep-ph]].

- [7] S. D. Odintsov, **V. K. Oikonomou**, E. I. Manouri and A. T. Papadopoulos, Nucl. Phys. B **1020** (2025), 117114 doi:10.1016/j.nuclphysb.2025.117114 [arXiv:2509.11387 [gr-qc]].
- [8] S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **870** (2025), 139907 doi:10.1016/j.physletb.2025.139907 [arXiv:2509.06251 [gr-qc]].
- [9] **V. K. Oikonomou**, [arXiv:2508.19196 [gr-qc]].
- [10] **V. K. Oikonomou**, Phys. Lett. B **871** (2025), 139972 doi:10.1016/j.physletb.2025.139972 [arXiv:2508.17363 [gr-qc]].
- [11] S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **870** (2025), 139909 doi:10.1016/j.physletb.2025.139909 [arXiv:2508.17358 [gr-qc]].
- [12] **V. K. Oikonomou**, Gen. Rel. Grav. **57** (2025) no.8, 119 doi:10.1007/s10714-025-03451-9 [arXiv:2507.17384 [gr-qc]].
- [13] S. D. Odintsov and **V. K. Oikonomou**, Phys. Dark Univ. **49** (2025), 102016 doi:10.1016/j.dark.2025.102016 [arXiv:2507.04571 [gr-qc]].
- [14] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **112** (2025) no.10, 104035 doi:10.1103/16yg-966k [arXiv:2506.21010 [gr-qc]].
- [15] S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **868** (2025), 139779 doi:10.1016/j.physletb.2025.139779 [arXiv:2506.08193 [gr-qc]].
- [16] S. D. Odintsov, **V. K. Oikonomou** and G. S. Sharov, JHEAp **50** (2026), 100471 doi:10.1016/j.jheap.2025.100471 [arXiv:2506.02245 [gr-qc]].
- [17] A. V. Oikonomou and I. K. Savvas, doi:10.1109/EDUCON62633.2025.11016576
- [18] S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **865** (2025), 139458 doi:10.1016/j.physletb.2025.139458 [arXiv:2504.04561 [gr-qc]].
- [19] **V. K. Oikonomou**, Phys. Dark Univ. **48** (2025), 101908 doi:10.1016/j.dark.2025.101908 [arXiv:2504.00923 [hep-ph]].
- [20] **V. K. Oikonomou**, JCAP **10** (2025), 113 doi:10.1088/1475-7516/2025/10/113 [arXiv:2504.00915 [gr-qc]].
- [21] S. D. Odintsov, **V. K. Oikonomou** and G. S. Sharov, JHEAp **47** (2025), 100398 doi:10.1016/j.jheap.2025.100398 [arXiv:2503.17946 [gr-qc]].
- [22] **V. K. Oikonomou**, A. Gkioni, I. Sdranis, P. Tsyba and O. Razina, Class. Quant. Grav. **42** (2025) no.7, 075016 doi:10.1088/1361-6382/adc0dc [arXiv:2503.17851 [gr-qc]].
- [23] **V. K. Oikonomou**, Phys. Rev. D **110** (2024) no.12, 123509 doi:10.1103/PhysRevD.110.123509 [arXiv:2409.16095 [gr-qc]].
- [24] **V. K. Oikonomou**, Phys. Rev. D **110** (2024) no.7, 075003 doi:10.1103/PhysRevD.110.075003 [arXiv:2409.10709 [hep-ph]].
- [25] **V. K. Oikonomou**, Phys. Lett. B **856** (2024), 138890 doi:10.1016/j.physletb.2024.138890 [arXiv:2407.12155 [gr-qc]].
- [26] S. D. Odintsov and **V. K. Oikonomou**, Phys. Dark Univ. **46** (2024), 101562 doi:10.1016/j.dark.2024.101562 [arXiv:2407.00491 [gr-qc]].
- [27] **V. K. Oikonomou**, Phys. Rev. D **110** (2024) no.2, 023535 doi:10.1103/PhysRevD.110.023535 [arXiv:2406.09604 [gr-qc]].
- [28] **V. K. Oikonomou**, Class. Quant. Grav. **41** (2024) no.8, 085008 doi:10.1088/1361-6382/ad33cd [arXiv:2403.09818 [gr-qc]].
- [29] **V. K. Oikonomou** and A. Giovanakis, Phys. Rev. D **109** (2024) no.5, 055044 doi:10.1103/PhysRevD.109.055044 [arXiv:2403.01591 [hep-ph]].

- [30] **V. K. Oikonomou**, Nucl. Phys. B **1000** (2024), 116467 doi:10.1016/j.nuclphysb.2024.116467 [arXiv:2402.02050 [gr-qc]].
- [31] **V. K. Oikonomou**, P. Tsyba and O. Razina, EPL **145** (2024) no.4, 49001 doi:10.1209/0295-5075/ad239c [arXiv:2402.02049 [gr-qc]].
- [32] **V. K. Oikonomou**, P. Tsyba and O. Razina, Annals Phys. **462** (2024), 169597 doi:10.1016/j.aop.2024.169597 [arXiv:2401.11273 [gr-qc]].
- [33] **V. K. Oikonomou** and G. Kafanelis, Int. J. Mod. Phys. D **33** (2024) no.01, 2350114 doi:10.1142/S0218271823501146 [arXiv:2312.16324 [gr-qc]].
- [34] E. Elizalde, S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Phys. Dark Univ. **45** (2024), 101536 doi:10.1016/j.dark.2024.101536 [arXiv:2312.02889 [gr-qc]].
- [35] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **109** (2024) no.4, 044046 doi:10.1103/PhysRevD.109.044046 [arXiv:2311.06932 [gr-qc]].
- [36] **V. K. Oikonomou**, F. P. Fronimos, O. Razina and P. Tsyba, Symmetry **15** (2023) no.10, 1897 doi:10.3390/sym15101897
- [37] **V. K. Oikonomou**, Phys. Dark Univ. **42** (2023), 101335 doi:10.1016/j.dark.2023.101335 [arXiv:2309.13407 [hep-ph]].
- [38] J. de Haro, S. Nojiri, S. D. Odintsov, **V. K. Oikonomou** and S. Pan, Phys. Rept. **1034** (2023), 1-114 doi:10.1016/j.physrep.2023.09.003 [arXiv:2309.07465 [gr-qc]].
- [39] **V. K. Oikonomou**, [arXiv:2309.04850 [astro-ph.CO]].
- [40] S. D. Odintsov, **V. K. Oikonomou**, I. Giannakoudi, F. P. Fronimos and E. C. Lympieriadou, Symmetry **15** (2023) no.9, 1701 doi:10.3390/sym15091701 [arXiv:2307.16308 [gr-qc]].
- [41] A. V. Astashenok, S. D. Odintsov and **V. K. Oikonomou**, Phys. Dark Univ. **42** (2023), 101295 doi:10.1016/j.dark.2023.101295 [arXiv:2307.14862 [gr-qc]].
- [42] **V. K. Oikonomou**, Phys. Rev. D **108** (2023) no.4, 043516 doi:10.1103/PhysRevD.108.043516 [arXiv:2306.17351 [astro-ph.CO]].
- [43] S. D. Odintsov, **V. K. Oikonomou** and G. S. Sharov, Phys. Lett. B **843** (2023), 137988 doi:10.1016/j.physletb.2023.137988 [arXiv:2305.17513 [gr-qc]].
- [44] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **107** (2023) no.10, 104039 doi:10.1103/PhysRevD.107.104039 [arXiv:2305.05515 [gr-qc]].
- [45] **V. K. Oikonomou**, K. R. Revis, I. C. Papadimitriou and M. M. Pegioudi, Int. J. Mod. Phys. D **32** (2023), 06 doi:10.1142/S0218271823500347 [arXiv:2303.14724 [gr-qc]].
- [46] S. D. Odintsov, **V. K. Oikonomou** and F. P. Fronimos, Phys. Rev. D **107** (2023), 08 doi:10.1103/PhysRevD.107.084007 [arXiv:2303.14594 [gr-qc]].
- [47] **V. K. Oikonomou**, Phys. Rev. D **107** (2023) no.6, 064071 doi:10.1103/PhysRevD.107.064071 [arXiv:2303.05889 [hep-ph]].
- [48] **V. K. Oikonomou**, Class. Quant. Grav. **40** (2023) no.8, 085005 doi:10.1088/1361-6382/acc2a7 [arXiv:2303.06270 [gr-qc]].
- [49] **V. K. Oikonomou**, F. P. Fronimos, P. Tsyba and O. Razina, Phys. Dark Univ. **40** (2023), 101186 doi:10.1016/j.dark.2023.101186 [arXiv:2302.07147 [gr-qc]].
- [50] **V. K. Oikonomou**, Mon. Not. Roy. Astron. Soc. **520** (2023) no.2, 2934-2941 doi:10.1093/mnras/stad326 [arXiv:2301.12136 [gr-qc]].
- [51] A. V. Astashenok, S. D. Odintsov and **V. K. Oikonomou**, Symmetry **15** (2023) no.6, 1141 doi:10.3390/sym15061141 [arXiv:2211.14892 [gr-qc]].
- [52] S. Nojiri, S. D. Odintsov, **V. K. Oikonomou** and A. Constantini, Nucl. Phys. B **985** (2022), 116011 doi:10.1016/j.nuclphysb.2022.116011 [arXiv:2210.16383 [gr-qc]].

- [53] S. D. Odintsov and **V. K. Oikonomou**, Int. J. Mod. Phys. D **32** (2023) no.01, 2250135 doi:10.1142/S0218271822501358 [arXiv:2210.11351 [gr-qc]].
- [54] **V. K. Oikonomou**, Nucl. Phys. B **984** (2022), 115985 doi:10.1016/j.nuclphysb.2022.115985 [arXiv:2210.02861 [gr-qc]].
- [55] A. V. Astashenok, S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **106** (2022) no.12, 124010 doi:10.1103/PhysRevD.106.124010 [arXiv:2209.13693 [gr-qc]].
- [56] **V. K. Oikonomou**, Astropart. Phys. **144** (2023), 102777 doi:10.1016/j.astropartphys.2022.102777 [arXiv:2209.09781 [gr-qc]].
- [57] **V. K. Oikonomou**, EPL **139** (2022) no.6, 69004 doi:10.1209/0295-5075/ac8fb2 [arXiv:2209.08339 [hep-ph]].
- [58] **V. K. Oikonomou**, P. Tsyba and O. Razina, Universe **8** (2022) no.9, 484 doi:10.3390/universe8090484 [arXiv:2209.04669 [gr-qc]].
- [59] N. Karnesis, N. Stergioulas, G. Pappas, C. Anastopoulos, J. Antoniadis, T. Apostolatos, S. Basilakos, K. Destounis, A. Eleni and G. Lukes-Gerakopoulos, *et al.* Int. J. Mod. Phys. D **33** (2024) no.07n08, 2450027 doi:10.1142/S0218271824500275 [arXiv:2209.04358 [gr-qc]].
- [60] S. D. Odintsov and **V. K. Oikonomou**, EPL **139** (2022) no.5, 59003 doi:10.1209/0295-5075/ac8a13 [arXiv:2208.07972 [gr-qc]].
- [61] **V. K. Oikonomou**, Phys. Rev. D **106** (2022) no.4, 044041 doi:10.1103/PhysRevD.106.044041 [arXiv:2208.05544 [gr-qc]].
- [62] S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **833** (2022), 137353 doi:10.1016/j.physletb.2022.137353 [arXiv:2206.06024 [gr-qc]].
- [63] **V. K. Oikonomou** and E. C. Lymperiadou, Symmetry **14** (2022) no.6, 1143 doi:10.3390/sym14061143 [arXiv:2206.00721 [gr-qc]].
- [64] **V. K. Oikonomou**, Annalen Phys. **534** (2022) no.8, 2200134 doi:10.1002/andp.202200134 [arXiv:2205.15405 [gr-qc]].
- [65] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Nucl. Phys. B **980** (2022), 115850 doi:10.1016/j.nuclphysb.2022.115850 [arXiv:2205.11681 [gr-qc]].
- [66] **V. K. Oikonomou** and I. Giannakoudi, Int. J. Mod. Phys. D **31** (2022) no.09, 2250075 doi:10.1142/S0218271822500754 [arXiv:2205.08599 [gr-qc]].
- [67] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **105** (2022) no.10, 104054 doi:10.1103/PhysRevD.105.104054 [arXiv:2205.07304 [gr-qc]].
- [68] **V. K. Oikonomou**, Astropart. Phys. **141** (2022), 102718 doi:10.1016/j.astropartphys.2022.102718 [arXiv:2204.06304 [gr-qc]].
- [69] P. Auclair *et al.* [LISA Cosmology Working Group], Living Rev. Rel. **26** (2023) no.1, 5 doi:10.1007/s41114-023-00045-2 [arXiv:2204.05434 [astro-ph.CO]].
- [70] **V. K. Oikonomou** and I. Giannakoudi, Nucl. Phys. B **978** (2022), 115779 doi:10.1016/j.nuclphysb.2022.115779 [arXiv:2204.02454 [gr-qc]].
- [71] S. D. Odintsov, **V. K. Oikonomou** and R. Myrzakulov, Symmetry **14** (2022) no.4, 729 doi:10.3390/sym14040729 [arXiv:2204.00876 [gr-qc]].
- [72] S. D. Odintsov and **V. K. Oikonomou**, Fortsch. Phys. **70** (2022) no.5, 2100167 doi:10.1002/prop.202100167 [arXiv:2203.10599 [gr-qc]].
- [73] **V. K. Oikonomou**, P. D. Katzanis and I. C. Papadimitriou, Class. Quant. Grav. **39** (2022) no.9, 095008 doi:10.1088/1361-6382/ac5eba [arXiv:2203.09867 [gr-qc]].
- [74] G. G. L. Nashed, S. D. Odintsov and **V. K. Oikonomou**, Symmetry **14** (2022) no.3, 545 doi:10.3390/sym14030545 [arXiv:2203.01938 [gr-qc]].

- [75] S. D. Odintsov and **V. K. Oikonomou**, EPL **137** (2022) no.3, 39001 doi:10.1209/0295-5075/ac52dc [arXiv:2201.07647 [gr-qc]].
- [76] **V. K. Oikonomou**, Symmetry **14** (2022), 1 doi:10.3390/sym14010032 [arXiv:2112.10221 [gr-qc]].
- [77] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **104** (2021) no.12, 124065 doi:10.1103/PhysRevD.104.124065 [arXiv:2112.06269 [gr-qc]].
- [78] S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **824** (2022), 136817 doi:10.1016/j.physletb.2021.136817 [arXiv:2112.02584 [gr-qc]].
- [79] A. V. Astashenok, S. Capozziello, S. D. Odintsov and **V. K. Oikonomou**, EPL **136** (2021) no.5, 59001 doi:10.1209/0295-5075/ac3d6c [arXiv:2111.14179 [gr-qc]].
- [80] S. Nojiri, S. D. Odintsov, **V. K. Oikonomou** and A. A. Popov, Nucl. Phys. B **973** (2021), 115617 doi:10.1016/j.nuclphysb.2021.115617 [arXiv:2111.09457 [gr-qc]].
- [81] S. D. Odintsov, **V. K. Oikonomou** and F. P. Fronimos, Phys. Dark Univ. **35** (2022), 100950 doi:10.1016/j.dark.2022.100950 [arXiv:2108.11231 [gr-qc]].
- [82] **V. K. Oikonomou** and F. P. Fronimos, Nucl. Phys. B **971** (2021), 115522 doi:10.1016/j.nuclphysb.2021.115522 [arXiv:2108.10841 [gr-qc]].
- [83] **V. K. Oikonomou**, Class. Quant. Grav. **38** (2021) no.19, 195025 doi:10.1088/1361-6382/ac2168 [arXiv:2108.10460 [gr-qc]].
- [84] **V. K. Oikonomou**, A. Gitsis and M. Mitrou, Int. J. Geom. Meth. Mod. Phys. **18** (2021) no.13, 2150207 doi:10.1142/S0219887821502078 [arXiv:2108.11324 [gr-qc]].
- [85] **V. K. Oikonomou**, Annals Phys. **432** (2021), 168576 doi:10.1016/j.aop.2021.168576 [arXiv:2108.04050 [gr-qc]].
- [86] **V. K. Oikonomou**, Class. Quant. Grav. **38** (2021) no.17, 175005 doi:10.1088/1361-6382/ac161c [arXiv:2107.12430 [gr-qc]].
- [87] G. G. L. Nashed, S. D. Odintsov and **V. K. Oikonomou**, Eur. Phys. J. C **81** (2021), 528 doi:10.1140/epjc/s10052-021-09321-3 [arXiv:2106.13607 [gr-qc]].
- [88] **V. K. Oikonomou**, Int. J. Geom. Meth. Mod. Phys. **19** (2022) no.07, 2250099 doi:10.1142/S0219887822500992 [arXiv:2106.10778 [gr-qc]].
- [89] A. V. Astashenok, S. Capozziello, S. D. Odintsov and **V. K. Oikonomou**, EPL **134** (2021) no.5, 59001 doi:10.1209/0295-5075/134/59001 [arXiv:2106.01234 [gr-qc]].
- [90] **V. K. Oikonomou**, I. Giannakoudi, A. Gitsis and K. R. Revis, Int. J. Mod. Phys. D **31** (2022) no.02, 2250001 doi:10.1142/S0218271822500018 [arXiv:2105.11935 [gr-qc]].
- [91] S. D. Odintsov and **V. K. Oikonomou**, Annals Phys. **440** (2022), 168839 doi:10.1016/j.aop.2022.168839 [arXiv:2104.01982 [gr-qc]].
- [92] S. D. Odintsov and **V. K. Oikonomou**, Phys. Dark Univ. **32** (2021), 100805 doi:10.1016/j.dark.2021.100805 [arXiv:2103.07725 [gr-qc]].
- [93] A. V. Astashenok, S. Capozziello, S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **816** (2021), 136222 doi:10.1016/j.physletb.2021.136222 [arXiv:2103.04144 [gr-qc]].
- [94] S. D. Odintsov, **V. K. Oikonomou** and F. P. Fronimos, Class. Quant. Grav. **38** (2021) no.7, 075009 doi:10.1088/1361-6382/abe24f [arXiv:2102.02239 [gr-qc]].
- [95] A. V. Astashenok, S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **103** (2021) no.4, 043514 doi:10.1103/PhysRevD.103.043514 [arXiv:2101.06657 [gr-qc]].
- [96] A. G. Shalaby, **V. K. Oikonomou** and G. G. L. Nashed, Symmetry **13** (2021) no.1, 75 doi:10.3390/sym13010075
- [97] S. D. Odintsov, **V. K. Oikonomou** and F. P. Fronimos, Nucl. Phys. B **963** (2021), 115299 doi:10.1016/j.nuclphysb.2020.115299 [arXiv:2101.00660 [gr-qc]].

- [98] **V. K. Oikonomou**, Eur. Phys. J. Plus **136** (2021) no.2, 155 doi:10.1140/epjp/s13360-020-01012-4 [arXiv:2101.00665 [gr-qc]].
- [99] **V. K. Oikonomou**, Phys. Rev. D **103** (2021) no.12, 124028 doi:10.1103/PhysRevD.103.124028 [arXiv:2012.01312 [gr-qc]].
- [100] **V. K. Oikonomou**, Phys. Rev. D **103** (2021) no.4, 044036 doi:10.1103/PhysRevD.103.044036 [arXiv:2012.00586 [astro-ph.CO]].
- [101] S. D. Odintsov, **V. K. Oikonomou** and F. P. Fronimos, Annals Phys. **424** (2021), 168359 doi:10.1016/j.aop.2020.168359 [arXiv:2011.08680 [gr-qc]].
- [102] **V. K. Oikonomou** and F. P. Fronimos, Eur. Phys. J. Plus **135** (2020) no.11, 917 doi:10.1140/epjp/s13360-020-00926-3 [arXiv:2011.03828 [gr-qc]].
- [103] S. D. Odintsov, **V. K. Oikonomou**, F. P. Fronimos and K. V. Fasoulakos, Phys. Rev. D **102** (2020) no.10, 104042 doi:10.1103/PhysRevD.102.104042 [arXiv:2010.13580 [gr-qc]].
- [104] **V. K. Oikonomou**, F. P. Fronimos and N. T. Chatzarakis, Phys. Dark Univ. **30** (2020), 100726 doi:10.1016/j.dark.2020.100726 [arXiv:2009.12897 [gr-qc]].
- [105] S. D. Odintsov, **V. K. Oikonomou** and T. Paul, Class. Quant. Grav. **37** (2020) no.23, 235005 doi:10.1088/1361-6382/abbc47 [arXiv:2009.09947 [gr-qc]].
- [106] S. D. Odintsov, **V. K. Oikonomou**, F. P. Fronimos and S. A. Venikoudis, Phys. Dark Univ. **30** (2020), 100718 doi:10.1016/j.dark.2020.100718 [arXiv:2009.06113 [gr-qc]].
- [107] S. D. Odintsov, **V. K. Oikonomou** and T. Paul, Nucl. Phys. B **959** (2020), 115159 doi:10.1016/j.nuclphysb.2020.115159 [arXiv:2008.13201 [gr-qc]].
- [108] A. V. Astashenok, S. Capozziello, S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **811** (2020), 135910 doi:10.1016/j.physletb.2020.135910 [arXiv:2008.10884 [gr-qc]].
- [109] **V. K. Oikonomou** and F. P. Fronimos, EPL **131** (2020) no.3, 30001 doi:10.1209/0295-5075/131/30001 [arXiv:2007.11915 [gr-qc]].
- [110] S. Nojiri, S. D. Odintsov, **V. K. Oikonomou** and T. Paul, Phys. Rev. D **102** (2020) no.2, 023540 doi:10.1103/PhysRevD.102.023540 [arXiv:2007.06829 [gr-qc]].
- [111] S. D. Odintsov, **V. K. Oikonomou** and F. P. Fronimos, Annals Phys. **420** (2020), 168250 doi:10.1016/j.aop.2020.168250 [arXiv:2007.02309 [gr-qc]].
- [112] **V. K. Oikonomou** and F. P. Fronimos, Class. Quant. Grav. **38** (2021) no.3, 035013 doi:10.1088/1361-6382/abce47 [arXiv:2006.05512 [gr-qc]].
- [113] S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **807** (2020), 135576 doi:10.1016/j.physletb.2020.135576 [arXiv:2005.12804 [gr-qc]].
- [114] **V. K. Oikonomou**, EPL **130** (2020) no.1, 10006 doi:10.1209/0295-5075/130/10006 [arXiv:2004.10778 [gr-qc]].
- [115] S. D. Odintsov, **V. K. Oikonomou** and F. P. Fronimos, Phys. Dark Univ. **29** (2020), 100563 doi:10.1016/j.dark.2020.100563 [arXiv:2004.08884 [gr-qc]].
- [116] S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **805** (2020), 135437 doi:10.1016/j.physletb.2020.135437 [arXiv:2004.00479 [gr-qc]].
- [117] S. D. Odintsov, **V. K. Oikonomou** and F. P. Fronimos, Nucl. Phys. B **958** (2020), 115135 doi:10.1016/j.nuclphysb.2020.115135 [arXiv:2003.13724 [gr-qc]].
- [118] S. D. Odintsov and **V. K. Oikonomou**, EPL **129** (2020) no.4, 40001 doi:10.1209/0295-5075/129/40001 [arXiv:2003.06671 [gr-qc]].
- [119] E. Elizalde, S. D. Odintsov, **V. K. Oikonomou** and T. Paul, Nucl. Phys. B **954** (2020), 114984 doi:10.1016/j.nuclphysb.2020.114984 [arXiv:2003.04264 [gr-qc]].

- [120] S. Nojiri, S. D. Odintsov, **V. K. Oikonomou** and A. A. Popov, Phys. Dark Univ. **28** (2020), 100514 doi:10.1016/j.dark.2020.100514 [arXiv:2002.10402 [gr-qc]].
- [121] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **101** (2020) no.4, 044009 doi:10.1103/PhysRevD.101.044009 [arXiv:2001.06830 [gr-qc]].
- [122] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Phys. Dark Univ. **29** (2020), 100602 doi:10.1016/j.dark.2020.100602 [arXiv:1912.13128 [gr-qc]].
- [123] G. G. L. Nashed, W. El Hanafy, S. D. Odintsov and **V. K. Oikonomou**, Int. J. Mod. Phys. D **29** (2020) no.13, 2050090 doi:10.1142/S021827182050090X [arXiv:1912.03897 [gr-qc]].
- [124] S. D. Odintsov and **V. K. Oikonomou**, Class. Quant. Grav. **37** (2020) no.2, 025003 doi:10.1088/1361-6382/ab5c9d [arXiv:1912.00475 [gr-qc]].
- [125] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Phys. Dark Univ. **28** (2020), 100541 doi:10.1016/j.dark.2020.100541 [arXiv:1911.07329 [gr-qc]].
- [126] S. Nojiri, S. D. Odintsov, **V. K. Oikonomou** and T. Paul, Phys. Rev. D **100** (2019) no.8, 084056 doi:10.1103/PhysRevD.100.084056 [arXiv:1910.03546 [gr-qc]].
- [127] K. Kleidis and **V. K. Oikonomou**, Nucl. Phys. B **948** (2019), 114765 doi:10.1016/j.nuclphysb.2019.114765 [arXiv:1909.05318 [gr-qc]].
- [128] S. Nojiri, S. D. Odintsov, **V. K. Oikonomou** and A. A. Popov, Phys. Rev. D **100** (2019) no.8, 084009 doi:10.1103/PhysRevD.100.084009 [arXiv:1909.01324 [gr-qc]].
- [129] **V. K. Oikonomou** and N. T. Chatzarakis, Annals Phys. **411** (2019), 167999 doi:10.1016/j.aop.2019.167999 [arXiv:1908.09218 [gr-qc]].
- [130] N. Chatzarakis and **V. K. Oikonomou**, Annals Phys. **419** (2020), 168216 doi:10.1016/j.aop.2020.168216 [arXiv:1908.08141 [gr-qc]].
- [131] S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **797** (2019), 134874 doi:10.1016/j.physletb.2019.134874 [arXiv:1908.07555 [gr-qc]].
- [132] **V. K. Oikonomou**, Annals Phys. **409** (2019), 167934 doi:10.1016/j.aop.2019.167934 [arXiv:1907.02600 [gr-qc]].
- [133] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Annals Phys. **418** (2020), 168186 doi:10.1016/j.aop.2020.168186 [arXiv:1907.01625 [gr-qc]].
- [134] S. Nojiri, S. D. Odintsov, **V. K. Oikonomou**, N. Chatzarakis and T. Paul, Eur. Phys. J. C **79** (2019) no.7, 565 doi:10.1140/epjc/s10052-019-7080-1 [arXiv:1907.00403 [gr-qc]].
- [135] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **99** (2019) no.10, 104070 doi:10.1103/PhysRevD.99.104070 [arXiv:1905.03496 [gr-qc]].
- [136] **V. K. Oikonomou** and N. Chatzarakis, Nucl. Phys. B **956** (2020), 115023 doi:10.1016/j.nuclphysb.2020.115023 [arXiv:1905.01904 [gr-qc]].
- [137] **V. K. Oikonomou**, Phys. Rev. D **99** (2019) no.10, 104042 doi:10.1103/PhysRevD.99.104042 [arXiv:1905.00826 [gr-qc]].
- [138] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Nucl. Phys. B **941** (2019), 11-27 doi:10.1016/j.nuclphysb.2019.02.008 [arXiv:1902.03669 [gr-qc]].
- [139] S. D. Odintsov and **V. K. Oikonomou**, Class. Quant. Grav. **36** (2019) no.6, 065008 doi:10.1088/1361-6382/ab0505 [arXiv:1902.01422 [gr-qc]].
- [140] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **99** (2019) no.6, 064049 doi:10.1103/PhysRevD.99.064049 [arXiv:1901.05363 [gr-qc]].
- [141] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **99** (2019) no.4, 044050 doi:10.1103/PhysRevD.99.044050 [arXiv:1811.07790 [gr-qc]].

- [142] E. Elizalde, S. D. Odintsov, **V. K. Oikonomou** and T. Paul, JCAP **02** (2019), 017 doi:10.1088/1475-7516/2019/02/017 [arXiv:1810.07711 [gr-qc]].
- [143] S. D. Odintsov and **V. K. Oikonomou**, EPL **126** (2019) no.2, 20002 doi:10.1209/0295-5075/126/20002 [arXiv:1810.03575 [gr-qc]].
- [144] M. Zubair, M. Zeeshan, S. S. Hasan and **V. K. Oikonomou**, Symmetry **10** (2018) no.10, 463 doi:10.3390/sym10100463
- [145] S. V. Chervon, A. V. Nikolaev, T. I. Mayorova, S. D. Odintsov and **V. K. Oikonomou**, Nucl. Phys. B **936** (2018), 597-614 doi:10.1016/j.nuclphysb.2018.10.003 [arXiv:1810.01900 [gr-qc]].
- [146] S. D. Odintsov, **V. K. Oikonomou**, A. V. Timoshkin, E. N. Saridakis and R. Myrzakulov, Annals Phys. **398** (2018), 238-253 doi:10.1016/j.aop.2018.09.015 [arXiv:1810.01276 [gr-qc]].
- [147] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **98** (2018) no.4, 044039 doi:10.1103/PhysRevD.98.044039 [arXiv:1808.05045 [gr-qc]].
- [148] K. Kleidis and **V. K. Oikonomou**, Int. J. Geom. Meth. Mod. Phys. **15** (2018) no.12, 1850212 doi:10.1142/S0219887818502122 [arXiv:1808.04674 [gr-qc]].
- [149] S. D. Odintsov, **V. K. Oikonomou** and S. Banerjee, Nucl. Phys. B **938** (2019), 935-956 doi:10.1016/j.nuclphysb.2018.07.001 [arXiv:1807.00335 [gr-qc]].
- [150] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **98** (2018) no.2, 024013 doi:10.1103/PhysRevD.98.024013 [arXiv:1806.07295 [gr-qc]].
- [151] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **97** (2018) no.12, 124042 doi:10.1103/PhysRevD.97.124042 [arXiv:1806.01588 [gr-qc]].
- [152] **V. K. Oikonomou**, Int. J. Geom. Meth. Mod. Phys. **16** (2019) no.03, 1950048 doi:10.1142/S0219887819500488 [arXiv:1805.11945 [gr-qc]].
- [153] K. Kleidis and **V. K. Oikonomou**, Int. J. Geom. Meth. Mod. Phys. **15** (2018) no.08, 1850137 doi:10.1142/S0219887818501372 [arXiv:1803.10748 [gr-qc]].
- [154] J. De Haro, S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **97** (2018) no.8, 084052 doi:10.1103/PhysRevD.97.084052 [arXiv:1802.09024 [gr-qc]].
- [155] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **97** (2018) no.6, 064005 doi:10.1103/PhysRevD.97.064005 [arXiv:1802.06486 [gr-qc]].
- [156] S. D. Odintsov and **V. K. Oikonomou**, Nucl. Phys. B **929** (2018), 79-112 doi:10.1016/j.nuclphysb.2018.01.027 [arXiv:1801.10529 [gr-qc]].
- [157] **V. K. Oikonomou**, Phys. Rev. D **97** (2018) no.6, 064001 doi:10.1103/PhysRevD.97.064001 [arXiv:1801.03426 [gr-qc]].
- [158] K. Kleidis and **V. K. Oikonomou**, Int. J. Geom. Meth. Mod. Phys. **15** (2018) no.05, 1850071 doi:10.1142/S0219887818500718 [arXiv:1801.02578 [gr-qc]].
- [159] K. Kleidis and **V. K. Oikonomou**, Int. J. Geom. Meth. Mod. Phys. **15** (2017) no.04, 1850064 doi:10.1142/S0219887818500640 [arXiv:1711.09270 [gr-qc]].
- [160] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **96** (2017) no.10, 104059 doi:10.1103/PhysRevD.96.104059 [arXiv:1711.04571 [gr-qc]].
- [161] **V. K. Oikonomou**, Int. J. Mod. Phys. D **27** (2018) no.05, 1850059 doi:10.1142/S0218271818500591 [arXiv:1711.03389 [gr-qc]].
- [162] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **96** (2017) no.10, 104049 doi:10.1103/PhysRevD.96.104049 [arXiv:1711.02230 [gr-qc]].
- [163] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **775** (2017), 44-49 doi:10.1016/j.physletb.2017.10.045 [arXiv:1710.07838 [gr-qc]].

- [164] S. D. Odintsov and **V. K. Oikonomou**, *Annals Phys.* **388** (2018), 267-275 doi:10.1016/j.aop.2017.11.026 [arXiv:1710.01226 [gr-qc]].
- [165] A. Awad, W. El Hanafy, G. G. L. Nashed, S. D. Odintsov and **V. K. Oikonomou**, *JCAP* **07** (2018), 026 doi:10.1088/1475-7516/2018/07/026 [arXiv:1710.00682 [gr-qc]].
- [166] **V. K. Oikonomou**, *Int. J. Mod. Phys. D* **27** (2017) no.02, 1850009 doi:10.1142/S0218271818500098 [arXiv:1709.02986 [gr-qc]].
- [167] S. D. Odintsov, **V. K. Oikonomou** and L. Sebastiani, *Nucl. Phys. B* **923** (2017), 608-632 doi:10.1016/j.nuclphysb.2017.08.018 [arXiv:1708.08346 [gr-qc]].
- [168] S. D. Odintsov, **V. K. Oikonomou** and P. V. Tretyakov, *Phys. Rev. D* **96** (2017) no.4, 044022 doi:10.1103/PhysRevD.96.044022 [arXiv:1707.08661 [gr-qc]].
- [169] **V. K. Oikonomou**, *Mod. Phys. Lett. A* **32** (2017) no.33, 1750172 doi:10.1142/S0217732317501723 [arXiv:1706.00507 [gr-qc]].
- [170] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, *Phys. Rept.* **692** (2017), 1-104 doi:10.1016/j.physrep.2017.06.001 [arXiv:1705.11098 [gr-qc]].
- [171] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, *Class. Quant. Grav.* **34** (2017) no.24, 245012 doi:10.1088/1361-6382/aa92a4 [arXiv:1704.05945 [gr-qc]].
- [172] S. D. Odintsov and **V. K. Oikonomou**, *Phys. Rev. D* **96** (2017) no.2, 024029 doi:10.1103/PhysRevD.96.024029 [arXiv:1704.02931 [gr-qc]].
- [173] **V. K. Oikonomou**, *Phys. Rev. D* **95** (2017) no.8, 084023 doi:10.1103/PhysRevD.95.084023 [arXiv:1703.10515 [gr-qc]].
- [174] **V. K. Oikonomou**, *Int. J. Mod. Phys. D* **26** (2017) no.10, 1750110 doi:10.1142/S0218271817501103 [arXiv:1703.09009 [gr-qc]].
- [175] **V. K. Oikonomou**, *Mod. Phys. Lett. A* **32** (2017) no.10, 1750067 doi:10.1142/S0217732317500675 [arXiv:1703.06713 [gr-qc]].
- [176] K. Kleidis and **V. K. Oikonomou**, *Astrophys. Space Sci.* **362** (2017) no.4, 74 doi:10.1007/s10509-017-3049-4
- [177] S. D. Odintsov and **V. K. Oikonomou**, *JCAP* **04** (2017), 041 doi:10.1088/1475-7516/2017/04/041 [arXiv:1703.02853 [gr-qc]].
- [178] S. Bahamonde, S. D. Odintsov, **V. K. Oikonomou** and P. V. Tretyakov, *Phys. Lett. B* **766** (2017), 225-230 doi:10.1016/j.physletb.2017.01.012 [arXiv:1701.02381 [gr-qc]].
- [179] **V. K. Oikonomou**, *Grav. Cosmol.* **23** (2017) no.2, 162-170 doi:10.1134/S0202289317020074
- [180] S. D. Odintsov and **V. K. Oikonomou**, doi:10.1142/9789813226609_0077
- [181] S. D. Odintsov and **V. K. Oikonomou**, *Phys. Rev. D* **94** (2016) no.12, 124026 doi:10.1103/PhysRevD.94.124026 [arXiv:1612.01126 [gr-qc]].
- [182] S. D. Odintsov and **V. K. Oikonomou**, *Class. Quant. Grav.* **34** (2017) no.10, 105009 doi:10.1088/1361-6382/aa69a8 [arXiv:1611.00738 [gr-qc]].
- [183] S. D. Odintsov and **V. K. Oikonomou**, *EPL* **116** (2016) no.4, 49001 doi:10.1209/0295-5075/116/49001 [arXiv:1610.02533 [gr-qc]].
- [184] **V. K. Oikonomou**, S. Pan and R. C. Nunes, *Int. J. Mod. Phys. A* **32** (2017) no.22, 1750129 doi:10.1142/S0217751X17501299 [arXiv:1610.01453 [gr-qc]].
- [185] **V. K. Oikonomou**, *Mod. Phys. Lett. A* **31** (2016) no.33, 1650191 doi:10.1142/S0217732316501911 [arXiv:1609.03156 [gr-qc]].
- [186] K. Kleidis and **V. K. Oikonomou**, *Astrophys. Space Sci.* **361** (2016) no.10, 326 doi:10.1007/s10509-016-2914-x [arXiv:1609.00848 [gr-qc]].

- [187] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **94** (2016) no.10, 104050 doi:10.1103/PhysRevD.94.104050 [arXiv:1608.07806 [gr-qc]].
- [188] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **94** (2016) no.4, 044012 doi:10.1103/PhysRevD.94.044012 [arXiv:1608.00165 [gr-qc]].
- [189] **V. K. Oikonomou** and E. N. Saridakis, Phys. Rev. D **94** (2016) no.12, 124005 doi:10.1103/PhysRevD.94.124005 [arXiv:1607.08561 [gr-qc]].
- [190] **V. K. Oikonomou**, Phys. Rev. D **94** (2016) no.4, 044004 doi:10.1103/PhysRevD.94.044004 [arXiv:1607.07107 [gr-qc]].
- [191] S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **760** (2016), 259-262 doi:10.1016/j.physletb.2016.06.074 [arXiv:1607.00545 [gr-qc]].
- [192] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **94** (2016) no.6, 064022 doi:10.1103/PhysRevD.94.064022 [arXiv:1606.03689 [gr-qc]].
- [193] **V. K. Oikonomou**, Astrophys. Space Sci. **361** (2016) no.7, 211 doi:10.1007/s10509-016-2800-6 [arXiv:1606.02164 [gr-qc]].
- [194] **V. K. Oikonomou**, Astrophys. Space Sci. **362** (2017) no.2, 28 doi:10.1007/s10509-017-3014-2 [arXiv:1605.08404 [gr-qc]].
- [195] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Mod. Phys. Lett. A **31** (2016) no.30, 1650172 doi:10.1142/S0217732316501728 [arXiv:1605.00993 [gr-qc]].
- [196] **V. K. Oikonomou**, Int. J. Mod. Phys. D **25** (2016) no.07, 1650078 doi:10.1142/S0218271816500784 [arXiv:1605.00583 [gr-qc]].
- [197] S. Bahamonde, S. D. Odintsov, **V. K. Oikonomou** and M. Wright, Annals Phys. **373** (2016), 96-114 doi:10.1016/j.aop.2016.06.020 [arXiv:1603.05113 [gr-qc]].
- [198] S. D. Odintsov and **V. K. Oikonomou**, Astrophys. Space Sci. **361** (2016) no.7, 236 doi:10.1007/s10509-016-2826-9 [arXiv:1602.05645 [gr-qc]].
- [199] S. D. Odintsov and **V. K. Oikonomou**, Class. Quant. Grav. **33** (2016) no.12, 125029 doi:10.1088/0264-9381/33/12/125029 [arXiv:1602.03309 [gr-qc]].
- [200] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Class. Quant. Grav. **33** (2016) no.12, 125017 doi:10.1088/0264-9381/33/12/125017 [arXiv:1601.07057 [gr-qc]].
- [201] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **93** (2016) no.8, 084050 doi:10.1103/PhysRevD.93.084050 [arXiv:1601.04112 [gr-qc]].
- [202] S. D. Odintsov and **V. K. Oikonomou**, Astrophys. Space Sci. **361** (2016) no.5, 174 doi:10.1007/s10509-016-2761-9 [arXiv:1512.09275 [gr-qc]].
- [203] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, JCAP **05** (2016), 046 doi:10.1088/1475-7516/2016/05/046 [arXiv:1512.07223 [gr-qc]].
- [204] S. D. Odintsov and **V. K. Oikonomou**, Int. J. Mod. Phys. D **26** (2017) no.08, 1750085 doi:10.1142/S0218271817500857 [arXiv:1512.04787 [gr-qc]].
- [205] **V. K. Oikonomou**, Int. J. Geom. Meth. Mod. Phys. **13** (2016) no.03, 1650033 doi:10.1142/S021988781650033X [arXiv:1512.04095 [gr-qc]].
- [206] **V. K. Oikonomou**, Universe **2** (2016) no.2, 10 doi:10.3390/universe2020010 [arXiv:1511.09117 [gr-qc]].
- [207] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **92** (2015) no.12, 124059 doi:10.1103/PhysRevD.92.124059 [arXiv:1511.06776 [gr-qc]].
- [208] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **93** (2016) no.2, 023517 doi:10.1103/PhysRevD.93.023517 [arXiv:1511.04559 [gr-qc]].

- [209] K. Kleidis and **V. K. Oikonomou**, Int. J. Geom. Meth. Mod. Phys. **13** (2015) no.01, 1550137 doi:10.1142/S0219887815501376
- [210] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **92** (2015) no.12, 124024 doi:10.1103/PhysRevD.92.124024 [arXiv:1510.04333 [gr-qc]].
- [211] **V. K. Oikonomou**, Phys. Rev. D **92** (2015) no.12, 124027 doi:10.1103/PhysRevD.92.124027 [arXiv:1509.05827 [gr-qc]].
- [212] S. D. Odintsov and **V. K. Oikonomou**, Annals Phys. **363** (2015), 503-514 doi:10.1016/j.aop.2015.10.013 [arXiv:1508.07488 [gr-qc]].
- [213] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **92** (2015) no.2, 024058 doi:10.1103/PhysRevD.92.024058 [arXiv:1507.05273 [gr-qc]].
- [214] J. Haro, A. N. Makarenko, A. N. Myagky, S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **92** (2015) no.12, 124026 doi:10.1103/PhysRevD.92.124026 [arXiv:1506.08273 [gr-qc]].
- [215] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Phys. Lett. B **747** (2015), 310-320 doi:10.1016/j.physletb.2015.06.016 [arXiv:1506.03307 [gr-qc]].
- [216] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **92** (2015) no.2, 024016 doi:10.1103/PhysRevD.92.024016 [arXiv:1504.06866 [gr-qc]].
- [217] A. V. Astashenok, S. D. Odintsov and **V. K. Oikonomou**, Class. Quant. Grav. **32** (2015) no.18, 185007 doi:10.1088/0264-9381/32/18/185007 [arXiv:1504.04861 [gr-qc]].
- [218] S. D. Odintsov and **V. K. Oikonomou**, Class. Quant. Grav. **32** (2015) no.23, 235011 doi:10.1088/0264-9381/32/23/235011 [arXiv:1504.01772 [gr-qc]].
- [219] S. Nojiri, S. D. Odintsov, **V. K. Oikonomou** and E. N. Saridakis, JCAP **09** (2015), 044 doi:10.1088/1475-7516/2015/9/044 [arXiv:1503.08443 [gr-qc]].
- [220] S. Nojiri, S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **91** (2015) no.8, 084059 doi:10.1103/PhysRevD.91.084059 [arXiv:1502.07005 [gr-qc]].
- [221] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **91** (2015) no.6, 064036 doi:10.1103/PhysRevD.91.064036 [arXiv:1502.06125 [gr-qc]].
- [222] S. D. Odintsov, **V. K. Oikonomou** and E. N. Saridakis, Annals Phys. **363** (2015), 141-163 doi:10.1016/j.aop.2015.08.021 [arXiv:1501.06591 [gr-qc]].
- [223] **V. K. Oikonomou**, Gen. Rel. Grav. **47** (2015) no.10, 126 doi:10.1007/s10714-015-1970-9 [arXiv:1412.8195 [gr-qc]].
- [224] **V. K. Oikonomou**, Astrophys. Space Sci. **359** (2015) no.1, 30 doi:10.1007/s10509-015-2478-1 [arXiv:1412.4343 [gr-qc]].
- [225] **V. K. Oikonomou**, Int. J. Geom. Meth. Mod. Phys. **12** (2015), 1550114 doi:10.1142/S0219887815501145 [arXiv:1412.0244 [hep-th]].
- [226] **V. K. Oikonomou**, N. Karagiannakis and M. Park, Phys. Rev. D **91** (2015) no.6, 064029 doi:10.1103/PhysRevD.91.064029 [arXiv:1411.3199 [gr-qc]].
- [227] S. D. Odintsov and **V. K. Oikonomou**, Phys. Rev. D **90** (2014) no.12, 124083 doi:10.1103/PhysRevD.90.124083 [arXiv:1410.8183 [gr-qc]].
- [228] **V. K. Oikonomou** and N. Karagiannakis, Astrophys. Space Sci. **354** (2014) no.2, 2103 doi:10.1007/s10509-014-2103-8
- [229] **V. K. Oikonomou** and N. Karagiannakis, Class. Quant. Grav. **32** (2015) no.8, 085001 doi:10.1088/0264-9381/32/8/085001 [arXiv:1408.5353 [gr-qc]].
- [230] **V. K. Oikonomou** and K. Kleidis, Int. J. Theor. Phys. **54** (2015) no.3, 933-950 doi:10.1007/s10773-014-2289-0 [arXiv:1408.1552 [hep-th]].

- [231] **V. K. Oikonomou** and N. Karagiannakis, J. Grav. **2014** (2014), 625836 doi:10.1155/2014/625836 [arXiv:1408.0398 [gr-qc]].
- [232] **V. K. Oikonomou**, Astrophys. Space Sci. **352** (2014), 925-935 doi:10.1007/s10509-014-1976-x [arXiv:1403.6690 [gr-qc]].
- [233] **V. K. Oikonomou**, Annals Phys. **350** (2014), 179-197 doi:10.1016/j.aop.2014.07.020 [arXiv:1402.5239 [hep-th]].
- [234] **V. K. Oikonomou**, Found. Phys. **45** (2015) no.1, 44-61 doi:10.1007/s10701-014-9844-7 [arXiv:1402.2835 [hep-th]].
- [235] K. Kleidis and **V. K. Oikonomou**, Int. J. Theor. Phys. **53** (2014), 2623-2635 doi:10.1007/s10773-014-2060-6 [arXiv:1402.0213 [hep-th]].
- [236] **V. K. Oikonomou**, Mod. Phys. Lett. A **29** (2014) no.25, 1450131 doi:10.1142/S0217732314501314 [arXiv:1401.6974 [gr-qc]].
- [237] **V. K. Oikonomou**, J. Phys. A **47** (2014), 435304 doi:10.1088/1751-8113/47/43/435304 [arXiv:1309.3740 [hep-th]].
- [238] **V. K. Oikonomou**, Int. J. Geom. Meth. Mod. Phys. **11** (2014), 1450011 doi:10.1142/S021988781450011X [arXiv:1309.2964 [hep-th]].
- [239] **V. K. Oikonomou**, Int. J. Geom. Meth. Mod. Phys. **13** (2016) no.06, 1650083 doi:10.1142/S0219887816500833 [arXiv:1308.2960 [math-ph]].
- [240] **V. K. Oikonomou**, Class. Quant. Grav. **31** (2014), 025018 doi:10.1088/0264-9381/31/2/025018 [arXiv:1308.2085 [hep-th]].
- [241] **V. K. Oikonomou**, Grav. Cosmol. **19** (2013), 188-192 doi:10.1134/S0202289313030092 [arXiv:1308.1234 [gr-qc]].
- [242] **V. K. Oikonomou**, J. Phys. Conf. Ser. **474** (2013), 012025 doi:10.1088/1742-6596/474/1/012025 [arXiv:1308.0929 [hep-th]].
- [243] **V. K. Oikonomou**, Nucl. Phys. B **870** (2013), 477-494 doi:10.1016/j.nuclphysb.2013.02.004 [arXiv:1308.0461 [hep-th]].
- [244] **V. K. Oikonomou**, Gen. Rel. Grav. **45** (2013), 2467-2481 doi:10.1007/s10714-013-1597-7 [arXiv:1304.4089 [gr-qc]].
- [245] **V. K. Oikonomou**, Int. J. Mod. Phys. A **28** (2013), 1350106 doi:10.1142/S0217751X13501066 [arXiv:1303.2537 [math-ph]].
- [246] **V. K. Oikonomou**, J. Phys. Conf. Ser. **410** (2013), 012141 doi:10.1088/1742-6596/410/1/012141
- [247] **V. K. Oikonomou**, Int. J. Mod. Phys. A **28** (2013), 1350090 doi:10.1142/S0217751X13500905 [arXiv:1208.0740 [hep-th]].
- [248] **V. K. Oikonomou**, Phys. Lett. B **721** (2013), 312-318 doi:10.1016/j.physletb.2013.03.013 [arXiv:1208.5358 [hep-th]].
- [249] **V. K. Oikonomou**, Int. J. Mod. Phys. A **28** (2013), 1350057 doi:10.1142/S0217751X13500577 [arXiv:1204.2395 [gr-qc]].
- [250] **V. K. Oikonomou**, Gen. Rel. Grav. **44** (2012), 1285-1297 doi:10.1007/s10714-012-1339-2 [arXiv:1104.3241 [hep-th]].
- [251] **V. K. Oikonomou**, Int. J. Geom. Meth. Mod. Phys. **12** (2015) no.09, 1550090 doi:10.1142/S0219887815500905 [arXiv:1109.6170 [hep-th]].
- [252] **V. K. Oikonomou**, Nucl. Phys. B **856** (2012), 1-25 doi:10.1016/j.nuclphysb.2011.10.031 [arXiv:1107.0497 [hep-th]].
- [253] **V. K. Oikonomou**, Nucl. Phys. B **850** (2011), 273-286 doi:10.1016/j.nuclphysb.2011.04.021 [arXiv:1103.1289 [hep-th]].

- [254] **V. K. Oikonomou**, Eur. Phys. J. Plus **126** (2011), 118 doi:10.1140/epjp/i2011-11118-5 [arXiv:1102.3665 [hep-th]].
- [255] **V. K. Oikonomou** and K. Kleidis, Int. J. Mod. Phys. A **26** (2011), 4633-4646 doi:10.1142/S0217751X11054620 [arXiv:1101.3066 [hep-th]].
- [256] **V. K. Oikonomou**, [arXiv:1012.5376 [math-ph]].
- [257] **V. K. Oikonomou**, J. Phys. Conf. Ser. **283** (2011), 012026 doi:10.1088/1742-6596/283/1/012026 [arXiv:1009.5222 [hep-th]].
- [258] **V. K. Oikonomou**, Mod. Phys. Lett. A **25** (2010), 2611-2619 doi:10.1142/S0217732310033839 [arXiv:1001.2433 [hep-th]].
- [259] **V. K. Oikonomou**, Mod. Phys. Lett. A **25** (2010), 767-779 doi:10.1142/S0217732310032810
- [260] **V. Oikonomou**, Symmetry **2** (2010), 366-387 doi:10.3390/sym2010366
- [261] **V. K. Oikonomou** and N. D. Tracas, Int. J. Mod. Phys. A **25** (2010), 5935-5950 doi:10.1142/S0217751X10051189 [arXiv:0912.4825 [hep-th]].
- [262] **V. K. Oikonomou**, Theor. Math. Phys. **166** (2011), 337-355 doi:10.1007/s11232-011-0027-9 [arXiv:0905.1465 [hep-th]].
- [263] **V. K. Oikonomou**, Commun. Theor. Phys. **55** (2011), 101-110 doi:10.1088/0253-6102/55/1/20 [arXiv:0905.4928 [hep-th]].
- [264] **V. K. Oikonomou**, Mod. Phys. Lett. A **24** (2009), 2405-2423 doi:10.1142/S0217732309031703 [arXiv:0903.4159 [hep-th]].
- [265] **V. K. Oikonomou**, Int. J. Mod. Phys. A **25** (2010), 4801-4826 doi:10.1142/S0217751X10050354 [arXiv:0901.3885 [hep-th]].
- [266] **V. K. Oikonomou**, Rev. Math. Phys. **21** (2009), 615-674 doi:10.1142/S0129055X09003712 [arXiv:0809.3195 [math-ph]].
- [267] **V. K. Oikonomou**, Class. Quant. Grav. **25** (2008), 195020 doi:10.1088/0264-9381/25/19/195020 [arXiv:0801.3527 [hep-th]].
- [268] **V. K. Oikonomou**, Theor. Math. Phys. **159** (2009), 509-525 doi:10.1007/s11232-009-0041-3 [arXiv:0709.1351 [hep-ph]].
- [269] **V. K. Oikonomou**, J. Phys. A **40** (2007), 5725 doi:10.1088/1751-8113/40/21/018 [arXiv:hep-th/0612233 [hep-th]].
- [270] **V. K. Oikonomou**, J. D. Vergados and C. C. Moustakidis, Nucl. Phys. B **773** (2007), 19-42 doi:10.1016/j.nuclphysb.2007.03.014 [arXiv:hep-ph/0612293 [hep-ph]].
- [271] **V. K. Oikonomou**, J. Phys. A **40** (2007), 9929 doi:10.1088/1751-8113/40/32/016 [arXiv:hep-ph/0611079 [hep-ph]].
- [272] J. D. Vergados, C. C. Moustakidis and **V. Oikonomou**, AIP Conf. Proc. **878** (2006) no.1, 138-144 doi:10.1063/1.2409079 [arXiv:hep-ph/0610017 [hep-ph]].

Publications in Collective Volumes

- Review of the calculation of the effective potential at finite temperature and volume, pp: 299-320, V. K. Oikonomou, published in: Mathematical Physics Research Developments, collective volume.
- Fermions, Supersymmetric Quantum Mechanics and Topological Defects, V.K. Oikonomou, Horizons in World Physics. Volume 278, collective volume