

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

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Τμήματος Περιφερειακής και Οικονομικής Ανάπτυξης,
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(Γεωπονικό Πανεπιστήμιο Αθηνών)

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1. ΑΤΟΜΙΚΑ ΣΤΟΙΧΕΙΑ

Όνομα: Δημήτριος
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 Επαγγελματική Κατάσταση: Επίκουρος Καθηγητής (ΦΕΚ 3137/22-12-2021/Τ-Γ')

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2. ΕΚΠΑΙΔΕΥΣΗ

Φεβ 2010 – Διδακτορικό Δίπλωμα, Τμήματος Μηχανικών Χωροταξίας, Δεκ 2015 Πολεοδομίας και Περιφερειακής Ανάπτυξης (ΤΜΧΠΠΑ), Παν/μιου Θεσσαλίας (ΠΘ), με θέμα «**Μοντελοποίηση Διαπεριφερειακών Συστημάτων Μεταφορών με χρήση Ανάλυσης Σύνθετων Δικτύων και Στατιστικής Μηχανικής**».

Οκτ 2008 – Μεταπτυχιακό Δίπλωμα Ειδίκευσης, Τμήματος Μαθηματικών Ιουν 2010 ΑΠΘ, με τίτλο «**Στατιστική & Μοντελοποίηση**».

Σεπ 2008 – Μεταπτυχιακό Δίπλωμα Ειδίκευσης, Τμήματος Μηχανικών Σεπ 09 Χωροταξίας, Πολεοδομίας & Περιφερειακής Ανάπτυξης, του Πανεπιστημίου Θεσσαλίας, με τίτλο «**Χωροταξία, Πολεοδομία & Ανάπτυξη**» και κατεύθυνση «Χωρική Ανάλυση & Πολιτική».

Σεπ 2003 – Πτυχίο, Εθνικού & Καποδιστριακού Πανεπιστημίου Αθηνών, Φεβ 2008 Σχολής Θετικών Επιστημών, Τμήματος Μαθηματικών.

Σεπ 1997 – Πτυχίο, Σχολής Ικάρων, Τμήματος Μηχανικών (ΣΜΑ), Ιουλ 2001 ειδικότητας «Μηχανικού Αεροπορικών Εγκαταστάσεων».

3. ΞΕΝΕΣ ΓΛΩΣΣΕΣ

Αγγλικά
 Ημερομηνία Πιστοποίησης: Εξετάσεις 07 Μαρτίου 2004 (Michigan ECPE)
 Επίπεδο Γνώσης: Επάρκεια

4. ΣΥΝΟΠΤΙΚΗ ΠΑΡΟΥΣΙΑΣΗ ΤΟΥ ΕΠΙΣΤΗΜΟΝΙΚΟΥ ΕΡΓΟΥ

■ Δημοσιεύσεις σε Επιστημονικά Περιοδικά με συντελεστή απήχησης [25]

1. Niavis, S., Tsiotas, D., (2018) "Decomposing the price of the cruise product into tourism and transport attributes: evidence from the Mediterranean Market", *Tourism Management*, 67C, pp.98-110 [Impact Factor/Clarivate Analytics (2021): 12.879].
2. Tsiotas, D., (2019) "Detecting different topologies immanent in scale-free networks with the same degree distribution", *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*, 116(14), pp.6701-6706

- [**Impact Factor**/Clarivate Analytics (2021): **12.777**].
3. Niavis, S., **Tsiotas, D.**, (2019) "Assessing the tourism performance of the Mediterranean coastal destinations: a combined efficiency and effectiveness approach", *Journal of Destination Marketing and Management*, 14: 100379 (doi:10.1016/j.jdmm.2019.100379) [**Impact Factor**/Clarivate Analytics (2021): **7.158**].
 4. **Tsiotas, D.**, Axelis, N., Polyzos, S., (2021) "A methodological framework for defining city dipoles in urban systems based on a functional attribute", *Cities*, 119, 103387 [**Impact Factor**/Clarivate Analytics (2021): **6.077**].
 5. **Tsiotas, D.**, Niavis, S., Sdrolas, L., (2018) "Operational and geographical dynamics of ports in the topology of cruise networks: the case of Mediterranean", *Journal of Transport Geography*, 72, pp.23–35 [**Impact Factor**/Clarivate Analytics (2021): **5.899**].
 6. **Tsiotas, D.**, Polyzos, S., (2013) "Introducing a new centrality measure from the interregional road transportation network analysis in Greece", *Annals of Operations Research*, 227(1), pp.93-127 [**Impact Factor**/Clarivate Analytics (2021): **4.82**].
 7. Demertzis, K., **Tsiotas, D.**, Magafas, L., (2020) "Modeling and forecasting the COVID-19 temporal spread in Greece: an exploratory approach based on complex network defined splines", *International Journal of Environmental Research and Public Health*, 17(13): 4693, [doi:10.3390/ijerph17134693, **Impact Factor**/Clarivate Analytics (2021): **4.614**].
 8. **Tsiotas, D.**, Tselios, V., (2022) "Understanding the uneven spread of COVID-19 in the context of the global interconnected economy", *Scientific Reports*, 12: 666 [10.1038/s41598-021-04717-3, **Impact Factor**/Clarivate Analytics (2021): **4.38**].
 9. **Tsiotas, D.**, Ducruet, C., (2021) "Measuring the effect of distance on the network topology of the Global Container Shipping Network", *Scientific Reports*, 11, 21250 [**Impact Factor**/Clarivate Analytics (2021): **4.38**].
 10. **Tsiotas, D.**, Magafas, L., Argyrakis, P., (2021) "The electrostatic graph algorithm: a physics-defined method for converting a time-series into a weighted complex network", *Scientific Reports*, 11(1): 11785 [**Impact Factor**/Clarivate Analytics (2021): **4.38**].
 11. **Tsiotas, D.**, (2020) "Detecting differences in the topology of scale-free networks grown under time-dynamic topological fitness", *Scientific Reports*, 10(1): 10630 [**Impact Factor**/Clarivate Analytics (2021): **4.38**].
 12. Koutridi, E., **Tsiotas, D.**, Christopoulou, O., (2023) "Examining the spatial effect of "smartness" on the relationship between agriculture and regional development: the case of Greece", *Land*, (12)3, 541 [**Impact Factor**/Clarivate Analytics (2021): **3.905**].
 13. Kranioti, A., **Tsiotas, D.**, Polyzos, S., (2022) "The topology of the cultural destinations' accessibility: the case of Attica, Greece", *Sustainability*, 14: 1860 [**Impact Factor**/Clarivate Analytics (2021): **3.889**].
 14. Erdem, U., Cubukcu, K. M., **Tsiotas, D.**, (2020) "Mapping the Topology of the Air Transport Network in Turkey", *Environment and Planning A: Economy and*

- Space*, 52(1), pp.6-9 [**Impact Factor**/Clarivate Analytics (2021): **3.79**].
15. **Tsiotas, D.**, Polyzos, S., (2018) "Effects in the network's topology due to node aggregation: empirical evidence from the maritime transportation network in Greece", *Physica A*, 491C, pp.71-88 [**Impact Factor**/Clarivate Analytics (2021): **3.778**].
 16. **Tsiotas, D.**, Charakopoulos, A., (2018) "Visibility in the topology of complex networks: introducing a new approach", *Physica A*, 505, pp.280-292 [**Impact Factor**/Clarivate Analytics (2021): **3.778**].
 17. **Tsiotas, D.**, (2019) "Network stiffness: a new property in complex networks", *PLoS ONE*, 14(6): e0218477 [**Impact Factor**/Clarivate Analytics (2021): **3.752**].
 18. Sdrolias, L., Semos, A., Mattas, K., Tsakiridou, E., Michailides, A., Partalidou, M., **Tsiotas, D.**, (2022) "Assessing the agricultural sector's resilience to the 2008 economic crisis: The case of Greece", *Agriculture*, 12, 174 [**Impact Factor**/Clarivate Analytics (2021): **3.408**].
 19. Demertzis, K., Taketzis, D., **Tsiotas, D.**, Magafas, L., Iliadis, L., Kikiras, P., (2021) "Pandemic Analytics by Advanced Machine Learning for Improved Decision Making of COVID-19 Crisis", *Processes*, 9: 1267 [**Impact Factor**/Clarivate Analytics (2021): **3.352**].
 20. **Tsiotas, D.**, (2021) "Drawing indicators of economic performance from network topology: the case of the interregional road transportation in Greece", *Research in Transportation Economics*, 90: 101004, **Impact Factor**/Clarivate Analytics (2021): **2.904**].
 21. **Tsiotas, D.**, Polyzos, S., (2013) "The contribution of ANN's simple perceptron pattern to inequalities measurement in Regional Science", *Operational Research: An International Journal*, 13(2), pp.289-301 [**Impact Factor**/Clarivate Analytics (2021): **2.708**].
 22. **Tsiotas, D.**, Tselios, V., (2022) "Decomposing the complexity of interregional commuting: a multilayer network approach", *Networks and Spatial Economics*, 10.1007/s11067-022-09578-5 [**Impact Factor**/Clarivate Analytics (2021): **2.484**].
 23. **Tsiotas, D.**, Polyzos, S., (2018) "The complexity in the study of spatial networks: an epistemological approach", *Networks and Spatial Economics*, 18(1), pp.1-32 [**Impact Factor**/Clarivate Analytics (2021): **2.484**].
 24. **Tsiotas, D.**, Polyzos, S., (2015) "Analyzing the Maritime Transportation System in Greece: a Complex Network Approach", *Networks and Spatial Economics*, 15(4), pp.981-1010 [**Impact Factor**/Clarivate Analytics (2021): **2.484**].
 25. **Tsiotas, D.**, Charakopoulos, A., (2020) "VisExpA: Visibility expansion algorithm in the topology of complex networks", *Software X*, 11: 100379 [**Impact Factor**/Clarivate Analytics (2021): **1.959**].
 26. **Tsiotas, D.**, Polyzos, S., (2021) "Making the Web-Science operational for interregional commuting analysis: Evidence from Greece", *Journal of the Knowledge Economy*, 12, pp.567-577 [**Impact Factor**/Clarivate Analytics (2021): **1.815**].
 27. **Tsiotas, D.**, Polyzos, S., (2015) "Decomposing multilayer transportation networks using complex network analysis: A case study for the Greek aviation

network”, *Journal of Complex Networks*, 3(4), pp.642-670 [**Impact Factor**/Clarivate Analytics (2021): **1.492**].

28. **Tsiotas, D.**, Magafas, L., (2021) “A new approach for studying experimental results of a-SiC:H thin-films alloys based on statistical physics”, *Journal of Optoelectronics and Advanced Materials*, [accepted: 09/11/2021, **Impact Factor**/Clarivate Analytics (2021): **0.5**].

4α. Δημοσιεύσεις σε Επιστημονικά Περιοδικά με κριτές [70]

1. Koutridi, E., **Tsiotas, D.**, Christopoulou, O., (2023) “Examining the spatial effect of “smartness” on the relationship between agriculture and regional development: the case of Greece”, *Land*, (12)3, 541 (10.3390/land12030541).
2. Polyzos, S., **Tsiotas, D.**, (2023) “Interregional Transport Infrastructures and Regional Development: A Methodological Approach”, *Theoretical and Empirical Researches in Urban Management*, 18(2), pp.5-31 (um.ase.ro/no182/1.pdf).
3. Kantianis, D., Polyzos, S., **Tsiotas, D.**, (2023) “Modeling the regional variability of building activity in Greece: a multinomial logistic regression approach”, *European Spatial Research and Policy* (accepted: 26/4/2023).
4. Papadimitriou, V., Polyzos, s., **Tsiotas, D.**, (2023) “Project Evaluation using the Real Options Methodology”, *Regional Science Inquiry*, 15(1), pp.85-96.
5. **Tsiotas, D.**, Tselios, V., (2022) “Decomposing the complexity of interregional commuting: a multilayer network approach”, *Networks and Spatial Economics*, (10.1007/s11067-022-09578-5).
6. **Tsiotas, D.**, (2022) “A network-based algorithm for computing Keynesian income multipliers in multiregional systems”, *Regional Science Inquiry*, 14(2), pp.25-46 (rsijournal.eu/?p=4306).
7. **Tsiotas, D.**, Tselios, V., (2022) “Understanding the uneven spread of COVID-19 in the context of the global interconnected economy”, *Scientific Reports*, 12: 666 (10.1038/s41598-021-04717-3).
8. **Tsiotas, D.**, Axelis, N., Polyzos, S., (2022) “Detecting city-dipoles in Greece based on intercity commuting”, *Regional Science Inquiry*, 14(1), pp.11-30 (rsijournal.eu/?p=4266).
9. Kranioti, A., **Tsiotas, D.**, Polyzos, S., (2022) “The topology of the cultural destinations’ accessibility: the case of Attica, Greece”, *Sustainability*, 14: 1860 (10.3390/su14031860).
10. Sdrolias, L., Semos, A., Mattas, K., Tsakiridou, E., Michailides, A., Partalidou, M., **Tsiotas, D.**, (2022) “Assessing the agricultural sector’s resilience to the 2008 economic crisis: The case of Greece”, *Agriculture*, 12: 174 (10.3390/agriculture12020174).
11. **Tsiotas, D.**, Ducruet, C., (2021) “Measuring the effect of distance on the network topology of the Global Container Shipping Network”, *Scientific Reports*, 11: 21250 (10.1038_s41598-021-00387-3).
12. **Tsiotas, D.**, Axelis, N., Polyzos, S., (2021) “A methodological framework for defining city dipoles in urban systems based on a functional attribute”, *Cities*, 119, (10.1016/j.cities.2021.103387).

13. **Tsiotas, D.**, Sdrolias, L., Aspridis, G., Skodova-Parmova, D., Dvorakova-Liskova, Z., (2021) "Size distribution analysis in the study of urban systems: evidence from Greece", *International Journal of Computational Economics and Econometrics*, 11(1), pp.12-36 (10.1504/IJCEE.2021.111712).
14. **Tsiotas, D.**, Magafas, L., Argyrakis, P., (2021) "The electrostatic graph algorithm: a physics-defined method for converting a time-series into a weighted complex network", *Scientific Reports*, 11(1): 11785 (10.1038/s41598-021-89552-2).
15. **Tsiotas, D.**, Polyzos, S., Krabokoukis, T., (2021) "Detecting interregional patterns of tourism seasonality: A correlation-based complex network approach for the case of Greece", *Tourism and Hospitality*, 2(1), pp.113-139 (10.3390/tourhosp2010007).
16. **Tsiotas, D.**, Polyzos, S., (2021) "Making the Web-Science operational for interregional commuting analysis: Evidence from Greece", *Journal of the Knowledge Economy*, 12, pp.567-577 (10.1007/s13132-015-0269-0).
17. Krabokoukis, T., **Tsiotas, D.**, Polyzos, S., (2021) "Detecting determinants in tourist seasonality of Greece: A binary logistic regression approach", *Theoretical and Empirical Researches in Urban Management*, 16(1), pp.5-19 (um.ase.ro/no161/1.pdf).
18. **Tsiotas, D.**, Magafas, L., (2021) "A new approach for studying experimental results of a-SiC:H thin-films alloys based on statistical physics", *Journal of Optoelectronics and Advanced Materials*, 23(11-12), pp.605-611 (joam.inoe.ro/articles/a-new-approach-for-studying-experimental-results-of-a-sich-thin-films-alloys-based-on-statistical-physics/).
19. Demertzis, K., Taketzis, D., **Tsiotas, D.**, Magafas, L., Iliadis, L., Kikiras, P., (2021) "Pandemic Analytics by Advanced Machine Learning for Improved Decision Making of COVID-19 Crisis", *Processes*, 9: 1267 (10.3390/pr9081267).
20. **Tsiotas, D.**, (2021) "Drawing indicators of economic performance from network topology: the case of the interregional road transportation in Greece", *Research in Transportation Economics*, 90: 101004 (10.1016/j.retrec.2020.101004).
21. **Tsiotas, D.**, Magafas, L., Hantias, M., (2020) "Examination of chaotic structures in semiconductor or alloy voltage time-series: a complex network approach for the case of TlInTez", *Physics*, 2(4), pp.624-639 (10.3390/physics2040036).
22. **Tsiotas, D.**, Krabokoukis, T., Polyzos, S., (2020) "Detecting interregional patterns in tourism seasonality of Greece: a principal components analysis approach", *Regional Science Inquiry*, 12(2), pp.91-112 (rsijournal.eu/?p=3626).
23. **Tsiotas, D.**, Papadimopoulos, I., Aspridis, G., Sdrolias, L., (2020) "Socioeconomic determinants in the topology of spatial networks: evidence from the interregional road network in Greece", *Theoretical and Empirical Researches in Urban Management*, 15(3), pp.5-28 (um.ase.ro/no153/1.pdf).
24. **Tsiotas, D.**, (2020) "Detecting differences in the topology of scale-free networks grown under time-dynamic topological fitness", *Scientific Reports*, 10(1): 10630 (10.1038/s41598-020-67156-6).
25. **Tsiotas, D.**, Magafas, L., (2020) "The effect of anti-COVID-19 policies on the evolution of the disease: A complex network analysis of the successful case of

- Greece”, *Physics*, 2, pp.325-339 (10.3390/physics2020017, invited manuscript: 40c77aafae0200ef).
26. **Tsiotas, D.**, Charakopoulos, A., (2020) “VisExpA: Visibility expansion algorithm in the topology of complex networks”, *Software X*, 11: 100379 (10.1016/j.softx.2019.100379).
 27. **Tsiotas, D.**, Erdem, U., Cubukcu, K. M., (2020) “Outlining the historical framework of the aviation sector in Turkey; A spatiotemporal approach”, *Regional Statistics*, 10(2), pp.117-141 (10.15196/RS100204).
 28. **Tsiotas, D.**, Niavis, S., Polyzos, S., Papageorgiou, A., (2020) “Developing indicators for capturing the dynamics of airports in regional and tourism development: evidence from Greece”, *Journal of Air Transport Studies*, 11(1), pp.31-46 (10.38008/jats.v11i1.153).
 29. Demertzis, K., **Tsiotas, D.**, Magafas, L., (2020) “Modeling and forecasting the COVID-19 temporal spread in Greece: an exploratory approach based on complex network defined splines”, *International Journal of Environmental Research and Public Health*, 17(13): 4693 (10.3390/ijerph17134693).
 30. Polyzos, S., **Tsiotas, D.**, (2020) “Measuring structural changes of the Greek economy during the period of economic crisis”, *Management Research and Practice*, 12(2), pp.5-24 (mrp.ase.ro/no122/f1.pdf).
 31. Polyzos, S., **Tsiotas, D.**, (2020) “The contribution of transport infrastructures to the economic and regional development: a review of the conceptual framework”, *Theoretical and Empirical Researches in Urban Management*, 15(1), pp.5-23 (um.ase.ro/no151/1.pdf).
 32. Erdem, U., Cubukcu, K. M., **Tsiotas, D.**, (2020) “Mapping the Topology of the Air Transport Network in Turkey”, *Environment and Planning A: Economy and Space*, 52(1), pp.6-9 (10.1177/0308518X19848753).
 33. **Tsiotas, D.**, (2019) “Detecting different topologies immanent in scale-free networks with the same degree distribution”, *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*, 116(14), pp.6701-6706 (10.1073/pnas.1816842116).
 34. **Tsiotas, D.**, (2019) “Network stiffness: a new property in complex networks”, *PLoS ONE*, 14(6): e0218477 (10.1371/journal.pone.0218477).
 35. Niavis, S., **Tsiotas, D.**, (2019) “Assessing the tourism performance of the Mediterranean coastal destinations: a combined efficiency and effectiveness approach”, *Journal of Destination Marketing and Management*, 14: 100379 (10.1016/j.jdmm.2019.100379).
 36. Erdem, U., **Tsiotas, D.**, Cubukcu, K. M., (2019) “Population dynamics in network topology: the case of air transport network in Turkey”, *Management Research and Practice*, 11(2), pp.5-20 (mrp.ase.ro/no112/f1.pdf).
 37. Pnevmatikos, T., Polyzos, S., **Tsiotas, D.**, (2019) “Assessing the structural changes in the Greek economy for the period prior to economic crisis”, *Regional Science Inquiry*, 11(3), pp.69-82 (rsijournal.eu/?p=3485).
 38. **Τσιώτας, Δ.**, (2019) «Μοντελοποίηση του οδικού διαπεριφερειακού δικτύου της Ελλάδας με χρήση ανάλυσης σύνθετων δικτύων (complex network

- analysis)», *ΑΕΙΧΩΡΟΣ*, 28, σελ.182-215 (10.26253/heal.uth.ojs.aei.2019.447).
39. **Τσιώτας, Δ.**, Γεράκη, Μ., Νιαβής, Σ., (2019) «Τα δίκτυα μεταφορών στην Ελλάδα και η σημασία τους για την οικονομική ανάπτυξη», *ΑΕΙΧΩΡΟΣ*, 28, σελ.98-156 (10.26253/heal.uth.ojs.aei.2019.445).
40. **Τσιώτας, Δ.**, Ραπτόπουλος, Κ., (2019) «Η ημερήσια μετακίνηση με σκοπό την εργασία ως πολύπλοκο δίκτυο: η περίπτωση της Ελλάδας», *ΑΕΙΧΩΡΟΣ*, 28, σελ.40-75 (10.26253/heal.uth.ojs.aei.2019.443).
41. Πολύζος, Σ., **Τσιώτας, Δ.**, (2019) «Τα περιφερειακά αεροδρόμια στην Ελλάδα, τα χαρακτηριστικά τους και η σημασία τους για την τοπική οικονομική ανάπτυξη», *PRIME*, 12(1), pp.14-34 (http://prime.uth.gr/vol12_i1.html).
42. **Tsiotas, D.**, Aspridis, G., Gavardinas, I., Sdrolias, L., Skodova – Parmova, D., (2018) “Gravity modeling in Social Science: the case of the commuting phenomenon in Greece”, *Evolutionary and Institutional Economics Review*, 16, pp.139-158 (10.1007/s40844-018-0120-y).
43. **Tsiotas, D.**, Niavis, S., Sdrolias, L., (2018) “Operational and geographical dynamics of ports in the topology of cruise networks: the case of Mediterranean”, *Journal of Transport Geography*, 72, pp.23–35 (10.1016/j.jtrangeo.2018.08.001).
44. **Tsiotas, D.**, Charakopoulos, A., (2018) “Visibility in the topology of complex networks: introducing a new approach”, *Physica A*, 505, pp.280-292 (10.1016/j.physa.2018.03.055).
45. Niavis, S., **Tsiotas, D.**, (2018) “Decomposing the price of the cruise product into tourism and transport attributes: evidence from the Mediterranean Market”, *Tourism Management*, 67C, pp.98-110 (10.1016/j.tourman.2018.01.004).
46. **Tsiotas, D.**, Polyzos, S., (2018) “Effects in the network’s topology due to node aggregation: empirical evidence from the maritime transportation network in Greece”, *Physica A*, 491C, pp.71-88 (10.1016/j.physa.2017.08.130).
47. Belias, D., Rossidis, I., Velissariou, E., Amoiradis, C., **Tsiotas, D.**, Sdrolias, L., (2018) “Successful and Efficient Knowledge Management in the Greek Hospitality Industry: Change the Perspective!”, *Academic Journal of Interdisciplinary Studies*, 1, pp.185-191 (ajis/article/view/10206).
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49. **Tsiotas, D.**, Polyzos, S., (2018) “The complexity in the study of spatial networks: an epistemological approach”, *Networks and Spatial Economics*, 18(1), pp.1–32 (10.1007/s11067-017-9354-1).
50. **Tsiotas, D.**, (2017) “Links between network topology and socioeconomic framework of railway transport: evidence from Greece”, *Journal of Engineering Science and Technology Review*, 10(3), pp.175-187 ([www.jestr.org > fulltext231032017](http://www.jestr.org/fulltext231032017)).
51. **Tsiotas, D.**, (2017) “Urban mobility under the complex network perspective: a case study of the urban road networks of Thessaly, Greece”, *International*

- Journal of Network Science*, 1(3), pp.248–268 (10.1504/IJNS.2017.083592).
52. **Tsiotas, D.**, Polyzos, S., (2017) “The topology of urban road networks and its role to urban mobility”, *Transportation Research Procedia*, 24C, pp.482–490 (10.1016/j.trpro.2017.05.087).
 53. **Tsiotas, D.**, Kalantzi, O., Gavardinas, I., (2017) “Accessibility assessment of urban mobility: the case of Volos, Greece”, *Transportation Research Procedia*, 24C, pp.499–506 (10.1016/j.trpro.2017.05.089).
 54. **Tsiotas, D.**, (2017) “The imprint of tourism on the topology of maritime networks: evidence from Greece”, *Anatolia: An International Journal of Tourism and Hospitality Research*, 28(1), pp.52–68 (10.1080/13032917.2016.1247289).
 55. Kalantzi, O., **Tsiotas, D.**, Polyzos, S., (2017) “The contribution of tourism in national economies: evidence of Greece”, *European Journal of Business and Social Sciences* (EJBSS), 5(10), pp.41–64 (10.48550/arXiv.2302.13121).
 56. **Tsiotas, D.**, (2016) “City-size or rank-size distribution? An empirical analysis on Greek urban populations”, *Theoretical and Empirical Researches in Urban Management* (TERUM), 11(4), pp.1–16 (*terumm:v:11:y:2016:i:4:p:5-16*).
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12. **Tsiotas, D.**, (2019) “Book Review: Serafeim Polyzos, (2019) *Regional Development, 2nd Edition*, Athens, Greece, Kritiki Publications [in Greek]”, *Regional Science Inquiry*, 11(3), p.197.

4ζ. Δημοσιεύσεις/Ανακοινώσεις/Παρουσιάσεις με πρόσκληση [6]

1. Κίντζιος, Σ., **Τσιώτας, Δ.**, (2021) “Οι Περιφερειακές Ανισότητες στην Ελλάδα και η θέση της Π.Ε. Φωκίδας”, Παρουσιάστηκε στη **Βουλή των Ελλήνων**, στις 16.12.2021, στη συνεδρίαση της Ειδικής Μόνιμης Επιτροπής Περιφερειών, με θέμα: «Περιορισμοί που επιβάλλονται για υπέρτερο δημόσιο συμφέρον και εμποδίζουν την ανάπτυξη γεωγραφικών περιοχών και περιφερειών: Θέσπιση κινήτρων και παροχή αντισταθμιστικών ωφελημάτων προς άρση των αδικιών - Η περίπτωση της Φωκίδας ως η πλέον χαρακτηριστική».
2. **Tsiotas, D.**, (2021) “Drawing indicators of economic performance from network topology: the case of the interregional road transportation in Greece”, Παρουσιάστηκε στις 23.06.2021, στο Ινστιτούτο Πληροφορικής και Επικοινωνιών, του Εθνικού Κέντρου Έρευνας και Φυσικών Επιστημών «Δημόκριτος», έπειτα από πρόσκληση του Διευθυντή του Τμήματος Τεχνητής Νοημοσύνης, Δρ. Γεωργίου Παλιούρα (Έρευνητή Α’), στο πλαίσιο διεξαγωγής διαδικτυακών συναντήσεων για την ανάλυση πολύπλοκων δικτύων (Complex Network Analysis Discussion Group).
3. **Tsiotas, D.**, Polyzos, S., Krabokoukis. T., (2021) “Detecting interregional patterns of tourism seasonality: A correlation-based complex network approach for the case of Greece”, *Tourism and Hospitality* [accepted: 20/2/21, invited manuscript, total discount voucher no: 27c947429d4f0c71/MDPI].
4. **Tsiotas, D.**, Magafas, L., Haniias, M., (2020) “Examination of chaotic structures in semiconductor or alloy voltage time-series: a complex network approach for the case of TlInTe₂”, *Physics*, 2, 624–639; doi:10.3390/physics2040036 [invited manuscript, total discount voucher no: ec83f872d8a91ec2/MDPI].
5. **Tsiotas, D.**, Magafas, L., (2020) “The effect of anti-COVID-19 policies on the evolution of the disease: A complex network analysis of the successful case of Greece”, *Physics*, 2, pp.325-339 [invited manuscript, total discount voucher no: 40c77aafae0200ef/MDPI].
6. **Tsiotas, D.**, (2019) “Detecting different topologies immanent in scale-free networks with the same degree distribution”, Παρουσιάστηκε στο Τμήμα

Φυσικής, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης στις 18.06.2019, έπειτα από πρόσκληση του Ομότιμου Καθηγητή κυρίου Πάνου Αργυράκη (ΑΔΑ: 98ΓΗ46Ψ8ΧΒ-Σ1Γ).

4η. Δημοσιεύσεις/Ανακοινώσεις δίχως κρίση [14]

1. Elhorst, P., Abreu, M., Amaral, P., Bhattacharjee, A., Bond-Smith, S., Chasco, C., Corrado, L., Ditzen, j., Felsenstein, D., Fuerst, F., Monastiriotis, V., Quatraro, F., Temursho, U., **Tsiotas, D.**, Yu, J., (2023) "Raising the bar (24)", *Spatial Economic Analysis*, 17(3), pp.285-290 (10.1080/17421772.2023.2184037).
2. **Tsiotas, D.**, (2023) "Regional Science Inquiry, Vol.XV, (1), 2023, Editorial Note", *Regional Science Inquiry*, 15(1), pp.6-9 (ISSN: 1791-5961).
3. Elhorst, P., Abreu, M., Amaral, P., Bhattacharjee, A., Bond-Smith, S., Chasco, C., Corrado, L., Ditzen, j., Felsenstein, D., Fuerst, F., Monastiriotis, V., Quatraro, F., Temursho, U., **Tsiotas, D.**, Yu, J., (2023) "Raising the bar (23)", *Spatial Economic Analysis*, 17(3), pp.285-290 (10.1080/17421772.2023.2149974).
4. **Tsiotas, D.**, (2022) "Regional Science Inquiry, Vol.XIV, (2), 2022, Editorial Note", *Regional Science Inquiry*, 14(2), pp.6-8 (ISSN: 1791-5961).
5. Elhorst, P., Abreu, M., Amaral, P., Bhattacharjee, A., Bond-Smith, S., Chasco, C., Corrado, L., Ditzen, j., Felsenstein, D., Fuerst, F., McCann, P., Monastiriotis, V., Quatraro, F., Temursho, U., **Tsiotas, D.**, Yu, J., (2022) "Raising the bar (22)", *Spatial Economic Analysis*, 17(3), pp.285-290 (10.1080/17421772.2022.2125177).
6. **Tsiotas, D.**, (2022) "Regional Science Inquiry, Vol.XIV, (1), 2022, Editorial Note", *Regional Science Inquiry*, 14(1), pp.7-8 (ISSN: 1791-5961).
7. Elhorst, P., Abreu, M., Amaral, P., Bhattacharjee, A., Bond-Smith, S., Chasco, C., Corrado, L., Ditzen, j., Felsenstein, D., Fuerst, F., McCann, P., Monastiriotis, V., Quatraro, F., Temursho, U., **Tsiotas, D.**, Yu, J., (2022) "Raising the bar (21)", *Spatial Economic Analysis*, 17(3), pp.285-290 (1080/17421772.2022.2088660).
8. **Tsiotas, D.**, (2021) "Regional Science Inquiry, Vol.XIII, (2), 2021, Editorial Note", *Regional Science Inquiry*, 13(2), pp.7-10 (ISSN: 1791-5961).
9. **Tsiotas, D.**, (2021) "Regional Science Inquiry, Vol.XIII, (1), 2021, Editorial Note", *Regional Science Inquiry*, 13(1), pp.7-8 (ISSN: 1791-5961).
10. **Τσιώτας, Δ.**, (2020) «Ανίχνευση διαπεριφερειακών προτύπων στην εποχικότητα του τουρισμού της Ελλάδας: μία προσέγγιση βασισμένη στην ανάλυση σε κύριες συνιστώσες», *Επιστημονική Ημερίδα για θέματα Περιφερειακής Οικονομικής, Τμήματος Μηχανικών Χωροταξίας Πολεοδομίας & Περιφερειακής Ανάπτυξης*, Βόλος, 16/07/20.
11. **Tsiotas, D.**, Charakopoulos, A., (2019) "The visibility expansion algorithm in complex networks", *Methods (Research Gate)*, doi: 10.13140/RG.2.2.33529.31848.
12. **Τσιώτας, Δ.**, (2018) «Ανίχνευση Προτύπων στο Χωρικό Σχεδιασμό: Η Περίπτωση του Δικτύου Κρουαζιέρας στη Μεσόγειο», *Επιστημονική Ημερίδα για Θέματα Χωρικού Σχεδιασμού, Τμήματος Μηχανικών Χωροταξίας Πολεοδομίας & Περιφερειακής Ανάπτυξης*, Βόλος, 06/06/18.

13. Πολύζος, Σ., **Τσιώτας, Δ.**, (2017) «Ανάλυση της συμβολής του τουρισμού στην εθνική οικονομική ανάπτυξη», *Σειρά Ερευνητικών Εργασιών*, 23(2), pp.49-72 (pithos.okeanos.grnet.gr/public/y5KjImR7iDbvUMbB8T5xx).
14. **Τσιώτας, Δ.**, (2017) «Ανάπτυξη Μεθοδολογικού Πλαισίου Αξιολόγησης Χωρικών και Διοικητικών Δομών στο Χωροταξικό Σχεδιασμό», *Επιστημονική Ημερίδα για Θέματα Χωροταξίας, Τμήματος Μηχανικών Χωροταξίας Πολεοδομίας & Περιφερειακής Ανάπτυξης*, Βόλος, 04/05/17.

5. ΛΟΙΠΗ ΕΠΙΣΤΗΜΟΝΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

5α. Συντάκτης/Μέλος της Συντακτικής Επιτροπής σε Επιστημονικά Περιοδικά [7]

1. **Co-Editor**, στο επιστημονικό περιοδικό *Spatial Economic Analysis (SEA)* [Publisher: *Hellenic Association of Regional Scientists, Athens, Greece*].
2. Member of the **Editorial Board**, στο επιστημονικό περιοδικό *Regional Science Inquiry (RSI)* [Publisher: *Hellenic Association of Regional Scientists, Athens, Greece*].
3. **Academic Editor**, στο επιστημονικό περιοδικό *PLOS One* [Publisher: *Public Library of Science*] (Impact Factor/Clarivate Analytics (2020): 3.24).
4. **Guest Editor**, στο επιστημονικό περιοδικό *Sustainability* [Publisher: *MDPI*] (Impact Factor/Clarivate Analytics (2020): 3.251), επιμέλεια των ειδικών τευχών:
 - a. “Sustainable Mobility within the context of Spatial Connectivity: Geography, Networks, and Economy”, συνεπιμέλεια με Χρήστο Παπαδά, Αναπληρωτή Καθηγητή, ΓΠΑ.
(https://www.mdpi.com/journal/sustainability/special_issues/Sustainable_Mobility_Spatial_Connectivity).
 - b. “Spatiotemporal Effects of COVID-19 to Sustainable Regional Planning and Development”, συνεπιμέλεια με Σεραφείμ Πολύζο, Καθηγητή, Παν. Θεσσαλίας.
(https://www.mdpi.com/journal/sustainability/special_issues/Spatiotemporal_Effects)
5. Member of the **Editorial Committee**, στο επιστημονικό περιοδικό *Theoretical and Empirical Researches in Urban Management (TERUM)* [Publisher: *Research Center in Public Administration and Public Services, Bucharest University of Economic Studies, Bucharest, Romania*].
6. Member of the **Editorial Committee**, στο επιστημονικό περιοδικό *Management Research and Practice (MRP)* [Publisher: *Research Center in Public Administration and Public Services, Bucharest University of Economic Studies, Bucharest, Romania*].
7. Μέλος της **Επιστημονικής Επιτροπής**, στο επιστημονικό περιοδικό *Αειχώρος* [Εκδότης: *Τμήμα Μηχανικών Χωροταξίας, Πολεοδομίας και Περιφερειακής Ανάπτυξης, Πανεπιστήμιο Θεσσαλίας*].

5β. Κριτής σε Επιστημονικά Περιοδικά [27]

1. *IEEE Transactions on Systems, Man and Cybernetics: Systems* (Publisher: *IEEE*).
2. *Future Generation Computer Systems* (Publisher: *Elsevier*).
3. *Transportation Research Part E* (Publisher: *Elsevier*).

4. *IEEE Access* (Publisher: Institute of Electrical and Electronics Engineers).
5. *Scientific Reports* (Publisher: Springer Nature).
6. *Chaos, Solitons, & Fractals* (Publisher: Elsevier).
7. *IET Control Theory & Applications* (Publisher: Wiley).
8. *PLOS One* (Publisher: Public Library of Science).
9. *Journal of Transport Geography* (Publisher: Elsevier).
10. *Networks and Spatial Economics* (Publisher: Springer).
11. *International Journal of Modern Physics B* (Publisher: World Scientific).
12. *Case Studies on Transport Policy* (Publisher: Elsevier).
13. *Tourism Planning and Development* (Publisher: Taylor & Francis).
14. *Anatolia: An Interdisciplinary Journal of Tourism and Hospitality Research* (Publisher: Taylor & Francis).
15. *Journal of the Knowledge Economy* (Publisher: Springer)
16. *Region* (Publisher: ERSA & WU).
17. *Mineral Economics* (Publisher: Springer)
18. *Infrastructures* (Publisher: MDPI)
19. *Physics* (Publisher: MDPI)
20. *International Journal of Sustainable Agricultural Management and Informatics* (Publisher: Interscience Publishers)
21. *International Journal of Mining and Mineral Engineering* (Publisher: Interscience Publishers)
22. *Journal of Engineering Science and Technology Review* (Publisher: Eastern Macedonia and Thrace Institute of Technology).
23. *Journal of Air Transport Studies* (Publisher: University of Aegean – Hellenic Aviation Society).
24. *Αειχώρος (Aeihoros)* [Publisher: Dept. of Planning and Regional Development, University of Thessaly, Volos, Greece]
25. *Dokuz Eylul University (DEU) Journal of Faculty of Architecture* [Publisher: EKSEN and Dokuz Eylul University, Izmir, Turkey]
26. *Advances in Mathematical Physics* (Publisher: Hindawi).
27. *Mathematical Problems in Engineering* (Publisher: Hindawi).

5γ. Κριτής σε Συλλογικούς τόμους [2]

1. *Data Analysis and Applications: Computational, Classification, Financial, Statistical and Stochastic Methods* (Editors: A. Makrides, A. Karagrigoriou and Ch. Skiadas; Publisher: Wiley).
2. *Urban Development* (Editors: S. Polyzos; Publisher: Intech Open).

5δ. Συμμετοχή σε Επιστημονικούς Συλλόγους [2]

1. **Μέλος του Οικονομικού Επιμελητηρίου Ελλάδας (ΟΕΕ).**
2. **Μέλος του Συλλόγου Ελλήνων Συγκοινωνιολόγων (ΣΕΣ).**