



Γιάννης Γιάκας

Items	Number
Βιβλία	1
Κεφάλαια σε βιβλία	2
Άρθρα σε Διεθνή Περιοδικά με Σύστημα Κριτών Ενταγμένα σε Βιβλιογραφικές Βάσεις Δεδομένων (Π.Χ. SPORTDISCUS)	>55
Άρθρα σε Περιοδικά μη Ενταγμένα σε Βιβλιογραφικές Βάσεις Δεδομένων	-
Παρουσιάσεις σε Διεθνή Συνέδρια με Κριτές	Stopped counting
Διαλέξεις-Παρουσιάσεις μετά από Πρόσκληση	>10
Δείκτης Αναφορών Harzing's PorP/Scopus (συμπεριλαμβανομένων των αυτοαναφορών)	1273
Δείκτης Απήχησης Harzing's PorP/Scopus (h-index)	19
Επιτυχείς Διεκδικήσεις Χρηματοδοτήσεων	>17

1 ΣΠΟΥΔΕΣ

- **Πτυχίο ΤΕΦΑΑ** Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Greece (1993)
- **PhD** Manchester Metropolitan University; Dept. of Exercise and Sport Sciences, UK (1998)

2 ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΙΣΤΟΡΙΚΟ

- Αναπληρωτής Καθηγητής, Νέες τεχνολογίες στην Ανάλυση Κίνησης του Ανθρώπου, ΤΕΦΑΑ (2014-σήμερα)
- Επίκουρος Καθηγητής, Νέες τεχνολογίες στην Ανάλυση Κίνησης του Ανθρώπου, ΤΕΦΑΑ (2009-2014)
- Λέκτορας, Νέες τεχνολογίες στην Ανάλυση Κίνησης του Ανθρώπου, ΤΕΦΑΑ (2004-2009)
- Μεταδιδακτορικός Ερευνητής, Σχολή Ιατρικής Πανεπιστήμιο Ιωαννίνων (2001-2003)
- Postdoctoral Holt Research Fellow, SATRU, Department of Geriatric Medicine, The University of Manchester, Hope Hospital, Salford, UK (1999-2001)
- Senior Lecturer in Exercise Biomechanics, Staffordshire University, Sport, Health and Exercise, Stoke on Trent, UK (1997-1999)

3 ΑΚΑΔΗΜΑΪΚΗ & ΕΠΙΣΤΗΜΟΝΙΚΗ ΕΜΠΕΙΡΙΑ

3.1 Διδασκαλία σε Προπτυχιακά Προγράμματα Σπουδών

1. «Βιομηχανική»,
2. «Μέθοδοι Εμβιομηχανικών μετρήσεων»,
3. «Επιβάρυνση Μυοσκελετικού Συστήματος»,
4. «Χειροσφαίριση!»

3.2 Διδασκαλία σε Μεταπτυχιακά Προγράμματα Σπουδών

MSc in Military Fitness & Wellbeing (2014 – σήμερα).

1. «Biomechanics and Ergonomics»,
2. «Data presentation and thesis writing»

MSc Exercise and Health (2007- σήμερα)

3. «Νέες Τεχνολογίες στην Ανάλυση κίνησης»
4. «Ισοκινητική Δυναμομετρία και Αποκατάσταση»
5. «Ανάλυση βάρδιας»

3.3 Επίβλεψη/Συνεπίβλεψη Διδακτορικών Διατριβών

3.3.1 Επιβλέψεις που Ολοκληρώθηκαν

1. Dr Christos Savva
2. Dr Themistoklis Tsatalas
3. Dr Apostolos Georgakis
4. Dr Nachiappan Chockalingam

3.3.2 Επιβλέψεις εν Εξελίξει

5. Mr Vasilios Sideris
6. Mr Giannis Spyropoulos
7. Mr Vasilis Korakakis
8. Mr Christos Efstathiou
9. Ms Rea Levantinou

3.4 Επίβλεψη/Συνεπίβλεψη Μεταπτυχιακών Διατριβών

3.4.1 Επιβλέψεις που Ολοκληρώθηκαν

1. Ms Rea Levantinou
2. Mr Petros Koros
3. Mr Dimosthenis Soulimetsis
4. Mr Vasilios Korakakis
5. Mr Giannis Spanos
6. Mr Spyros Georgiou
7. Mr Dionysios Giannoulis
8. Ms Eleni Kokkinou
9. Mr Nikos Sargiotis
10. Mr Vasilios Sideris
11. Mr Dimitrios Kalliaras
12. Ms Elena Katsakiori
13. Mr Ioannis Giannoulis MD
14. Ms Mina Antoniou
15. Mr Ioannis Spyropoulos

16. Ms Aikaterini Ziaka
17. Ms Styliani Zagavierou
18. Mr Alexandros Tsarouchas MD
19. Mr Thanasis Spontis
20. Mr Chrysovalantis Sassanins
21. Dr Savvas Lazarides
22. Mr Katerina Kalaitzi
23. Mr Kostas Antoniou MD
24. Mr Savvas Lazarides

3.5 Επιτυχείς Διεκδικήσεις Χρηματοδοτούμενων Προγραμμάτων

3.5.1 Ανταγωνιστική Διεθνής Χρηματοδότηση

- | | | |
|-----|---------|---|
| 1. | 70,000 | Giakas G (2011). TidalSense DEMO, R4SME, EUROPEAN UNION |
| 2. | 200,000 | Giakas G (2010). EasyReach. AAL, GSRT + EUROPEAN UNION |
| 3. | 480,500 | Giakas G (2010). Hypersol. R4SME, EUROPEAN UNION |
| 4. | 239,625 | Giakas G (2010). ChipCheck, R4SME, EUROPEAN UNION |
| 5. | 320,000 | Giakas G (2010). Monitorail, R4SME, EUROPEAN UNION |
| 6. | 295,000 | Giakas G (2009). Selfscan. R4SME, EUROPEAN UNION |
| 7. | 260,000 | Giakas G (2009). TidalSense. R4SME, EUROPEAN UNION |
| 8. | 194,000 | Giakas G (2009). Wintour. R4SME, EUROPEAN UNION |
| 9. | 300,000 | Giakas G (2009). Nozzlespec. R4SME, EUROPEAN UNION |
| 10. | 316,000 | Giakas G (2008). Compair. FP7, EUROPEAN UNION |
| 11. | 512,000 | Giakas G (2008). Ship Inspector. R4SME, EUROPEAN UNION |

3.5.2 Ανταγωνιστική Εθνική Χρηματοδότηση

- | | | |
|----|-----------|--|
| 1. | 600,000 | Papadopoulos E, Tsakiris D and Giakas G (2012). BiologRob. ΓΓΕΤ (140,000 for G Giakas) |
| 2. | 32,000 | Giakas G and Karatzaferi CK (2008). Exercise and Health. ΓΓΕΤ, GREECE |
| 3. | 29,000 | Giakas G (2006). Exercise for everyone. ΓΓΕΤ, GREECE |
| 4. | 6,200,000 | Houstis E et al. (2006). Center for Research Technology and Innovation (CERETETH). ΓΓΕΤ GREECE |
| 5. | 100,000 | Koutedakis I et al (2004). Exercise and Health. Υπουργείο Παιδείας |
| 6. | 29,400 | Giakas G (2003). Development of GUI software for research and teaching in biomechanics. ΓΓΕΤ, GREECE |

3.5.3 Άλλη Χρηματοδότηση

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3.6 Συμμετοχή σε Διεθνείς Επιστημονικές και Διοικητικές Επιτροπές

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3.7 Συμμετοχή ως Μέλος σε Διεθνείς Επαγγελματικούς Οργανισμούς

4 ΔΗΜΟΣΙΕΥΣΕΙΣ

4.1 Βιβλία

1. Natsis P, Pappas A and G Giakas (2007). Handball: Steps to success. Christodoulidi Publications , ISBN 960-8183-60-X

4.2 Κεφάλαια σε Βιβλία

1. Tsepis E, G Vagenas, G Giakas, S Ristanis and A Georgoulis (2007). Non-operative management of anterior cruciate ligament deficient patients. In Chadwick Prodromos (Eds) "The Anterior Cruciate Ligament: Reconstruction and Basic Science". Elsevier.
2. Giakas G. (2004). Power spectrum analysis and filtering. In N Stergiou (Eds) Innovative Analyses of Human Movement. (chapter 9) p 223-258. Human Kinetics Publishers.

4.3 Άρθρα σε Διεθνή Περιοδικά με Σύστημα Κριτών Ενταγμένα σε Βιβλιογραφικές Βάσεις Δεδομένων (Π.Χ. SPORTDISCUS)

1. Mina, M.A., Blazeovich, A.J., Giakas, G., Kay, A.D., Influence of variable resistance loading on subsequent free weight maximal back squat performance, Journal of Strength and Conditioning Research 2014, 28(10), 2988-2995
2. Malliaropoulos, N., Korakakis, V., Christodoulou, D., G Giakas, Malliaras, P., Lohrer H. Development and validation of a questionnaire (FASH - Functional Assessment Scale for Acute Hamstring Injuries): To measure the severity and impact of symptoms on function and sports ability in patients with acute hamstring injuries, British Journal of Sports Medicine 2014, 48(22), 1607-1612
3. Savva, C., G. Giakas, M. Efstathiou, and C. Karagiannis, Test-retest reliability of handgrip strength measurement using a hydraulic hand dynamometer in patients with cervical radiculopathy. J Manipulative Physiol Ther, 2014. 37(3): p. 206-10.
4. Mina, M.A., A.J. Blazeovich, G. Giakas, and A.D. Kay, *The Influence of Variable Resistance Loading on Subsequent Free Weight Maximal Back Squat Performance*. J Strength Cond Res, 2014.
5. Korakakis, V., V. Sideris, and G. Giakas, *Sitting bodily configuration: A study investigating the intra-tester reliability of positioning subjects into a predetermined sitting posture*. Man Ther, 2014. 19(3): p. 197-202.
6. Tsatalas, T., G. Giakas, G. Spyropoulos, V. Sideris, S. Lazaridis, C. Kotzamanidis, and Y. Koutedakis, *The effects of eccentric exercise-induced muscle damage on running kinematics at different speeds*. J Sports Sci, 2013. 31(3): p. 288-98.
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8. Spyropoulos, G., T. Tsatalas, D.E. Tsaopoulos, V. Sideris, and G. Giakas, *Biomechanics of sit-to-stand transition after muscle damage*. Gait Posture, 2013. 38(1): p. 62-7.

9. Savva, C. and G. Giakas, *The effect of cervical traction combined with neural mobilization on pain and disability in cervical radiculopathy. A case report.* Man Ther, 2013. **18**(5): p. 443-6.
10. Paschalis, V., M.G. Nikolaidis, A.A. Theodorou, C.K. Deli, V. Raso, A.Z. Jamurtas, . . . Y. Koutedakis, *The effects of eccentric exercise on muscle function and proprioception of individuals being overweight and underweight.* J Strength Cond Res, 2013. **27**(9): p. 2542-51.
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14. Davis, J.M., W.J. Giakas, J. Qu, P. Prasad, and S. Leucht, *Should we treat depression with drugs or psychological interventions? A reply to Ioannidis.* Philos Ethics Humanit Med, 2011. **6**: p. 8.
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26. Paschalis, V., M.G. Nikolaidis, G. Giakas, A.Z. Jamurtas, A. Pappas, and Y. Koutedakis, *The effect of eccentric exercise on position sense and joint reaction angle of the lower limbs.* Muscle Nerve, 2007. **35**(4): p. 496-503.
27. Paschalis, V., M.G. Nikolaidis, I.G. Fatouros, G. Giakas, Y. Koutedakis, C. Karatzaferi, . . . A.Z. Jamurtas, *Uniform and prolonged changes in blood oxidative stress after muscle-damaging exercise.* In Vivo, 2007. **21**(5): p. 877-83.

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- biomechanical study*. J Hand Surg Am, 2002. **27**(4): p. 628-35.
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 55. Giakas, G. and V. Baltzopoulos, *Optimal digital filtering requires a different cut-off frequency strategy for the determination of the higher derivatives*. J Biomech, 1997. **30**(8): p. 851-5.
 56. Giakas, G., V. Baltzopoulos, P.H. Dangerfield, J.C. Dorgan, and S. Dalmira, *Comparison of gait patterns between healthy and scoliotic patients using time and frequency domain analysis of ground reaction forces*. Spine (Phila Pa 1976), 1996. **21**(19): p. 2235-42.

4.4 Άρθρα σε Περιοδικά μη Ενταγμένα σε Βιβλιογραφικές Βάσεις Δεδομένων

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5 ΠΑΡΟΥΣΙΑΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΣΥΝΕΔΡΙΑ ΜΕ ΚΡΙΤΕΣ

Πάνω από 100 παρουσιάσεις

6 ΠΑΡΟΥΣΙΑΣΕΙΣ ΜΕΤΑ ΑΠΟ ΠΡΟΣΚΛΗΣΗ

1. Giakas G (2012). Functional calibration modeling: the way forward. Greek Society of Biomechanics, Thessaloniki Greece.
2. Giakas G (2009). Gait analysis applications. Northern Greece Orthopaedic Association seminar, Naousa, Greece.
3. Giakas G (2009). Gait analysis worldwide standards. Northern Greece Orthopaedic Association. Thessaloniki, Greece.
4. Giakas G (2009). Foot scanning and orthotics. University Hospital of Ioannina biannual seminar. Ioannina, Greece
5. Giakas G (2008). Gait Analysis: an Introduction. European Bobath Tutors Association, Chania Greece 18-20 September.
6. Giakas G (2008). Gait Analysis: the Davies model. European Bobath Tutors Association, Chania Greece 18-20 September.
7. Giakas G (2004). Changes in walking and running after eccentric exercise. 2004 Pre-Olympic Congress. Thessaloniki, Greece
8. Giakas G (2003). Importance of muscle function and chronicity in anterior cruciate ligament deficient patients. International Symposium on Prevention and Therapy of Sports Injuries. Larisa, Greece
9. Giakas G (2003). Biomechanical data filtering: problems and solutions. 6th International Conference on Strength Training. Serres, Greece
10. Giakas G (2002). Data filtering in Sports Biomechanics. 20th International Society of Biomechanics in Sports, Caceres, Spain
11. Giakas G (2002). Applications of biomechanics in lower limb injury. 1st Aegean Knee Surgery Arthroscopy Days. 15-17 February, Pamukkale, Turkey.

12. Giakas G (1999). Automatic data filtering in Sports Biomechanics: Filtering Solutions. Data Filtering Workshop. XVII International Symposium of Biomechanics in Sports. Perth, Australia.

7 ΔΙΑΦΟΡΑ

Κριτής στα παρακάτω επιστημονικά περιοδικά:

Journal of Biomechanics

Journal of Applied Biomechanics

Clinical Biomechanics

Journal of Sport Sciences

European Journal of Applied Physiology and Occupational Physiology

British Journal of Sports Medicine

Journal of Clinical Rehabilitation

IEEE Transactions of Biomedical Engineering

Dynamics of Continuous, Discrete and Impulsive Systems