

## Προσωπικές Πληροφορίες



## Κωνσταντίνος Πετρίδης

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Φύλο: Άρρεν | Ημερομηνία Γεννήσεως: 24/05/1984 | Εθνικότητα: Ελληνική

## ΕΚΠΑΙΔΕΥΣΗ

2011 – 2015

## Διδακτορικό

«Συμβολή της Επιχειρησιακής Έρευνας στη Μελέτη των Φυσικών Πόρων: Θεωρητική και Εμπειρική Διερεύνηση», Τμήμα Δασολογίας, Διαχείρισης Περιβάλλοντος & Φυσικών Πόρων, ΔΠΘ, Ορεστιάδα

Έμφραση: Ποσοτικές μέθοδοι για την χρονοδρομολόγηση δασικής παραγωγής και δασικής εφοδιαστικής αλυσίδας με την χρήση αλγοριθμικών μεθόδων μαθηματικού προγραμματισμού

Επιβλέπων: Αναπληρωτής Καθηγητής, Γαρύφαλλος Αραμπατζής

2014

## Επισκέπτης Ερευνητής στο Aston Business School, Aston University, Birmingham

Από το πρόγραμμα του IKY Short –Term –Grant, Επιβλέπων: Professor Prasanta Dey

2009 – 2011

## Μεταπτυχιακό

«Διοίκηση Logistics» Τμήμα Οικονομικών Επιστημών, Αριστοτέλειο Πανεπιστήμιο, Θεσσαλονίκη

2003 – 2008

## Πτυχίο Μαθηματικών

Τμήμα Μαθηματικών, Αριστοτέλειο Πανεπιστήμιο, Θεσσαλονίκη

## ΔΗΜΟΣΙΕΥΣΕΙΣ

## Δημοσιεύσεις σε περιοδικά

Arabatzis, G., **Petridis, K.**, Galatsidas, S., & Ioannou, K. (2013). A demand scenario based fuelwood supply chain: A conceptual model. *Renewable and Sustainable Energy Reviews*, 25, 687-697. (Impact Factor 6.798)

**Petridis, K.** (2013). Optimal design of multi-echelon supply chain networks under normally distributed demand. *Annals of Operations Research*, 227(1), 63-91. (Impact Factor 1.406)

**Petridis, K.**, Malesios, C., Arabatzis, G., Thanassoulis, E. (2013). Efficiency analysis of forestry journals: Suggestions for improving journals' quality. *Journal of Informetrics*, 7(2), 505-521. (Impact Factor 2.373)

Grigoroudis, E., **Petridis, K.**, & Arabatzis, G. (2014). RDEA: A recursive DEA based algorithm for the optimal design of biomass supply chain networks, *Renewable Energy*, 71, 113-122. (Impact Factor 3.404)

Zografidou, E., **Petridis, K.**, Arabatzis, G., & Dey, P. K. (2016). Optimal design of the renewable energy map of Greece using weighted goal-programming and data envelopment analysis. *Computers & Operations Research*, 66, 313-326. (Impact Factor 1.988)

**Petridis, K.**, Chatzigeorgiou, A., & Stiakakis, E. (2016). A spatiotemporal Data Envelopment Analysis (ST DEA) approach: the need to assess evolving units. *Annals of Operations Research*, 1-22. (Impact Factor 1.406)

Petridis, N., Stiakakis, E., **Petridis, K.**, Dey, P.K. (2016). Estimation of obsolete computers quantities using forecasting techniques, *Journal of Cleaner Production*, 112, 3072 – 3085. (Impact Factor 4.959)

**Petridis, K.**, Dey, P. K., & Emrouznejad, A. (2016). A branch and efficiency algorithm for the optimal design of supply chain networks. *Annals of Operations Research*, 1-27. (Impact Factor 1.406)

Emrouznejad, A., Rostmari-Tabar, B., **Petridis, K.** (2016). A novel ranking procedure for forecasting approaches using Data Envelopment Analysis, *Tehcnological Forecasting & Social Change*. (Impact Factor 2.678)

Zafeiriou, E., **Petridis, K.**, Karelakis, C., & Arabatzis, G. (2016). Optimal combination of energy crops under different policy scenarios; The case of Northern Greece. *Energy Policy*, 96, 607-616. (Impact Factor 3.045)

**Petridis, K.**, Dey P.K., Thanassoulis, E., Georgiou, A., Goniadis, I. (2017). An integrated AHP/DEA model in analyzing SET questionnaires for teaching evaluation in Higher Education, *Journal of Operations Research Society*, (accepted). (Impact Factor 1.225)

Baidya, R., Dey, P. K., Ghosh, S. K., & **Petridis, K.** (2017). Strategic maintenance technique selection using combined quality function deployment, the analytic hierarchy process and the benefit of doubt approach. *The International Journal of Advanced Manufacturing Technology*, 1-14. (Impact Factor 1.568)

Zografidou, E., **Petridis, K.**, Petridis, N., Arabatzis, G (2017). A financial approach to renewable energy production in Greece using Goal Programming. *Renewable Energy*. (accepted). (Impact Factor 3.404)

**Petridis, K.**, Petridis, N., Stiakakis, E., & Dey, P. (2017). Investigating the Factors that Affect the Time of Maximum Rejection Rate of E-waste Using Survival Analysis. *Computers & Industrial Engineering*. (Impact Factor: 2.086)

**Petridis, K.**, Dey P.K. (2017). A Combined Data Envelopment Analysis and Multi-objective Decision-making Model for the UK Incineration Plants' Performance Measurement, *Annals of Operations Research*, (accepted) (Impact Factor 1.406)

Terry, D., Hughes, E., Huyn, C., **Petridis, K.** et al. (2017). Future enhanced clinical role of Pharmacists in Emergency Departments in England - multi-site observational evaluation. *International Journal of Clinical Pharmacy*, (accepted). (Impact Factor 1.339)

#### Δημοσιεύσεις από συνέδρια με κριτές

Papadopoulos, C.T., O'Kelly, M.J, Vidalis, M.I., **Petridis, C.**, Pistofidis, N., Nikita, M. (2011). A comparative study on a selection of search design algorithms for solving buffer allocation problem in serial production lines, Proceedings of the 41<sup>st</sup> *International Conference on Computers & Industrial Engineering* (pp 726 – 731). Los Angeles, USA

Galatsidas, S., **Petridis, K.**, Arabatzis, G., & Kondos, K. (2013). Forest production management and harvesting scheduling using dynamic Linear Programming (LP) models. *Procedia Technology*, 8, 349-354.

Stiakakis, E., Georgiadis, C. K., & **Petridis, K.** (2013). Analyzing M-Service Quality Dimensions Using Multivariate Statistical Techniques. In *ICMB* (p. 24).

**Petridis, K.**, & Dey, P. K. (2016). A DEA/Goal Programming Model for Incineration Plants Performance in the UK. *Procedia Environmental Sciences*, 35, 257-264.

Albores, P., **Petridis, K.**, & Dey, P. K. (2016). Analysing Efficiency of Waste to Energy Systems:

Using Data Envelopment Analysis in Municipal Solid Waste Management. *Procedia Environmental Sciences*, 35, 265-278.

Terry, D., **Petridis, K.**, Aiello, M., Sinclair, A., Huynh, C., Mazard, L., et al. The potential for pharmacists to manage patients attending emergency departments. *Int J Pharm Pract.* 2016;24 (Suppl1)(4). DOI: 10.1111/ijpp.12258/epdf

## Υποβληθείσες εργασίες

**Petridis, K.**, Chattopadhyay, A., Dey, P.K. (2015). A model for optimal design of a supply chain network driven by stochastic fluctuations, submitted to: *Risk Analysis: An International Journal*

Nixon, J., Petridis, N., **Petridis, K.**, Dey, P.K., Ghosh, S.K (2015). Environmental performance and corporate social responsibility: a comparison of SMEs in the UK and India, submitted to: *International Journal of Operations & Production Management*

Digkas, G., **Petridis, K.**, Chatzigeorgiou, A., Stiakakis E., Emrouznejad, A. (2016). Measuring Spatio-Temporal Efficiency: An R Implementation for Time-Evolving Units, submitted to: *Computational Statistics & Data Analysis*

**Petridis, K.**, Yang, G., Emrouznejad, A. (2015). Incorporating undesirable factors into SpatioTemporal DEA with application to Chinese manufacturing industries, submitted to: *European Journal of Operational Research*

**Petridis, K.**, Arabatzis, G. (2016). A coppice forest scheduling model for economic and environmental sustainability using linear programming, submitted to: *Renewable and Sustainable Energy Reviews*

**Petridis, K.**, Ünsal, M.G., Örkücü, H.H., Dey, P.K. (2015). Performance measurement of Turkish electric distribution companies using Network DEA, *Energy Economics*

**Petridis, K.**, Petridis, N., Emrouznejad, A. (2017). Prioritizing of volatility models: A novel procedure using Data Envelopment Analysis, *Global Finance Journal*

## Εργασίες προς υποβολή

**Petridis, K.**, Despic, O., Dey, P.K. (2015). Proposing a DEA based Flexible Multiplicative Analytic Hierarchy Process (European Journal of Operational Research)

## Βιβλία

**Petridis, K.**, Emrouznejad, A. *Data Envelopment Analysis using GAMS*, Springer ISOR series (accepted book proposal, expected publication date, 31<sup>st</sup> July 2017).

Petridis, N., **Petridis, K.**, Stiakakis, E., Dey, P.K. *E-Waste management using quantitative methods*, Springer (accepted book proposal, expected publication date, 31<sup>st</sup> May 2018).

## Κεφάλαια σε βιβλία

**Petridis, K.**, Dey, P.K. (2015), Risk in waste to energy projects using Benefit of Doubt and Analytic Hierarchy Process. In: P.K. Dey, S. Ogunlana. (Eds), *Risk Management in Engineering and Construction*. Taylor & Francis (publishing)

Arabatzis, G., **Petridis, K.**, & Kougoulis, P. (2014). Proposing a Supply Chain Model for the Production-Distribution of Fuelwood in Greece using Multiobjective Programming. In: Z. Andreopoulou, V. Samathrakakis, S. Louca, M. Vlachopoulou (Eds), *E-Innovation for Sustainable Development of Rural Resources During Global Economic Crisis*, (pp 171 – 181). Hershey PA: IGI Global.

Stiakakis, M., **Petridis, K.** (2014). Developing and Validating a Multi-criteria Model to Evaluate Mobile Service Quality. In: F. J. MartínezLópez (Ed.), *e-Business Strategic Management*, (pp-1-22, Chapter 39), Berlin: Springer-Verlag.

## Βραβείο καλύτερης εργασίας

**Petridis, K.**, Dey, P.K. A DEA/Goal Programming model for Incineration Plants performance in the UK, 5th IconSWM 2015, 24 -27 November 2015, Bengaluru, India.

## Διεθνή συνέδρια

**Petridis, K.**, Dey, P.K. (2015). DEA/Goal Programming model for Incineration Plants performance measurement in the UK, *4th International Symposium and 26th National Conference on Operational Research*, Chania, Crete, Greece on June 4-6, 2015.

Zografidou, E., **Petridis, K.**, Arabatzis, G., Dey, P.K. (2014). Proposing a hybrid 0-1 Weighted Goal Programming/DEA approach for the optimal design of renewable energy production of Greece, Area: Energy, *OR56 Annual Conference*, 9 – 11 September, London, UK.

**Petridis, K.**, Grigoroudis, E, Arabatzis (2014). A RDEA heuristic algorithm for the optimal design of biomass supply chain networks, Area: OR in Natural Resources, Session: Biomass-based supply chains III , Stream: Biomass-based Supply Chains, *20<sup>th</sup> Conference of the International Federation of Operational Research Societies*, 13 -18 July, Barcelona Spain

Zografidou, E., **Petridis, K.**, Arabatzis, G. (2014). Optimal design of the renewable energy production map of Greece using a multi- period Goal Programming model, Area: Energy / Environment and Climate, session Optimal Design in Environmental Management, stream Multi-Criteria Decision Making and Environmental Management, *20<sup>th</sup> Conference of the International Federation of Operational Research Societies*, 13 -18 July, Barcelona Spain

Zografidou, E., **Petridis, K.**, Sakellariou, I., Arabatzis, G. (2013). Agent based modeling and simulation for fuelwood consumption prediction. *2<sup>nd</sup> International Symposium and 24<sup>th</sup> National Conference on Operational Research*, Athens, Greece

Galatsidas, S., **Petridis, K.**, Arabatzis, Kondos, K. (2013). Forest production management and harvesting scheduling using dynamic Linear Programming (LP) models, *6<sup>th</sup> International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2013)*. Corfu, Greece.

Stiakakis, M., Geogiadis, C.K., **Petridis, K.** (2013). Analyzing M-Service Quality Dimensions Using Multivariate Statistical Techniques, *International Conference on Mobile Business*, Berlin, Germany.

Ioannides, D.A, **Petridis C.** (2011). Deconvolution Kernel Distribution Estimator, *AMSDA 2011*, (pp 615 – 620). Rome.

#### Ελληνικά συνέδρια

Arabatzis, G., **Petridis, K.**, Galatsidas, S., Drosos, D. A multiobjective mixed integer linear programming model for the design of fuelwood supply chain, 11 - 13 October 2012, Kavala, Greece.

**Petridis, K.**, Grigoroudis, E, Arabatzis, G. An algorithmic MILP/DEA approach for the optimal design of supply chain networks, *9<sup>th</sup> Multi Criteria Decision Analysis Meeting*, 11 - 13 October 2012, Kavala, Greece.

**Petridis, K.**, Petridis, N., Arabatzis, G. Proposing a Multi-objective programming model for the optimal construction of OLS. *10<sup>th</sup> Multi Criteria Decision Analysis Meeting*, 21 - 23 November 2013, Thessaloniki Greece.

Petridis, N., **Petridis, K.** The use of multi-objective programming in networks. *10<sup>th</sup> Multi Criteria Decision Analysis Meeting*, 21 - 23 November 2013, Thessaloniki Greece.

**Petridis, K.**, Arabatzis, G. (2012). Optimizing the supply chain of artichoke (*Cynara cardunculus*) in the case of simultaneous combustion with lignite . *1<sup>st</sup> Environmental Conference of Thessaly*. Pp. 369-374 . ISBN 978-960-6865-50-3. Skiathos.

**Petridis, K.**, Arabatzis G., Galatsidas, S. (2012). Optimizing the supply chain of firewood using multicriteria methods. *3<sup>rd</sup> National Conference of Planning and Regional Development*. Pp. 1340 - 1345 . ISBN 978-960-9439-13-8, 978-960-6865-52-7. Volos

Ioannides, D., **Petridis, K.**, (2011). Estimation of the distribution function with measurement errors , *Proceedings of 23<sup>th</sup> Panhellenic Statistics Conference* , pp. 111-116 . Veria .

**Petridis, K.**, Arabatzis, G. (2012). Optimizing the supply chain of artichoke (*Cynaracardunculus*) in the case of simultaneous combustion with lignite. *1<sup>st</sup> Environmental Conference of Thessaly*. Pp. 369-374 . ISBN 978-960-6865-50-3. Skiathos.

Ioannides D., **Petridis, K.**, (2011). Estimation of the distribution function with measurement errors, *Proceedings of 23<sup>th</sup> Panhellenic Statistics Conference* , pp. 111-116 . Veria.

#### Οργανωτική επιτροπή σε συνέδριο

10<sup>th</sup> Multi Criteria Decision Analysis Meeting, 21 - 23 November 2013, Thessaloniki Greece

**Guest Editor** Multi Criteria Decision Analysis in Networks, in Journal of Multi Criteria Decision Analysis (JMCD), Wiley.

**Konstantinos Petridis**, Research Associate, Aston Business School, Aston University, Birmingham, United Kingdom ([k.petridis@aston.ac.uk](mailto:k.petridis@aston.ac.uk))

Christos K. Georgiadis, Assistant Professor, Department of Applied Informatics, University of Macedonia, Greece ([geor@uom.edu.gr](mailto:geor@uom.edu.gr))

[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1099-1360](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-1360)

**Editorial Board** *International Journal of Energy Sector Management*, Emerald

**Chairman in conference** **Petridis, K.**, Metaheuristics session, 4th International Symposium and 26th National Conference on Operational Research, Chania, Crete, Greece on June 4-6, 2015.

**Petridis, K.**, Zografidou E., Session 3: Renewable Energy, 20<sup>th</sup> Conference of the International Federation of Operational Research Societies (IFORS), 13-18 July, Barcelona Spain

Dey, P.K., **Petridis, K.**, Energy Stream: OR56 Annual Conference, Royal Holloway, University of London, 9-11 September

**Προγράμματα** **ΒΑΣΙΚΗ ΕΡΕΥΝΑ (Ε' ΚΥΚΛΟΣ) Ε.Π.2011 - Στειακάκης Εμμανουήλ** – «Συγκριτική αξιολόγηση των μεθόδων Data Envelopment Analysis (DEA) & Stochastic Frontier Analysis (SFA) στη Μέτρηση της Απόδοσης H/Y»

**Climate change issues and environmental performance of Indian small and medium sized enterprises**, in collaboration with Jadavpur University, Kolkata, India, Under Innovation partnership, UKIERI, British Council, £40,000 [Co-investigator], completed in July 2015

**Municipal Solid waste to energy: Decision Support System for supply chain design, in collaboration with Jadavpur University**, National Institute of Technology, Trichi, India, UKIERI, British Council, Under thematic partnership £60,000 [Co-investigator], to be completed in December 2015

**Centre for Supply Chain Innovation in Transport Engineering**, The total Project-funding, including contributions by Derby City Council, ERDF, private sector match and university contributions is £13,256,169, of which the costs of the business-services offering is £703,405; project duration: 13 December 2013 – September 2015 [Co-investigator from Aston University]

**Electronic Prescribing in Medicine Administration (EPMA) project** for assessing the efficiency of the implementation of an e-prescribing system in Birmingham Children's Hospital, CLARHC funding, NHS, £180,000 [Co-investigator]

**Pharmacists in Emergency Department (PIED) project**, commissioned by Health Education England (HEE) (Co-investigator, £70,000) [Co-investigator]

**Κριτής** *Applied Mathematical Modelling*, Elsevier

*Information Systems and Operational Research*, Taylor and Francis

*European Journal of Operational Research*, Elsevier

*Annals of Operations Research*, Springer

*Journal of Purchasing and Supply Management*, Elsevier

*Ecological Indicators*, Elsevier

*International Journal of Energy Sector Management*, Emerald

*Journal of Multi-Criteria Decision Analysis*, Wiley

*Neural Computing and Applications*, Springer

*Journal of the Knowledge Economy*, Springer

*Proceedings in Mathematics*, Springer

## ΕΡΕΥΝΗΤΙΚΕΣ ΔΕΞΙΟΤΗΤΕΣ

Πακέτα Βελτιστοποίησης	<ul style="list-style-type: none"> <li>▫ GAMS</li> <li>▫ LINDO</li> <li>▫ WinQSB</li> </ul>
Πακέτα Προσομίωσης	<ul style="list-style-type: none"> <li>▫ ARENA</li> </ul>
Πακέτα Πολυκριτηριακής Ανάλυσης	<ul style="list-style-type: none"> <li>▫ Expert Choice</li> <li>▫ Visual Promethee</li> <li>▫ SuperDecision</li> </ul>
Στατιστικά Πακέτα	<ul style="list-style-type: none"> <li>▫ SPSS</li> <li>▫ R CRAN</li> </ul>
Μαθηματικά Πακέτα	<ul style="list-style-type: none"> <li>▫ MATLAB</li> <li>▫ Wolfram Mathematica</li> </ul>
Προγράμματα επεξεργασίας κειμένου	<ul style="list-style-type: none"> <li>▫ LATEX</li> <li>▫ Microsoft Office™</li> </ul>

## ΕΡΓΑΣΙΑΚΗ ΕΜΠΕΙΡΙΑ

2016-2017	Π.Δ. 407 (ΕΔΒΜ20), Τμήμα Αγροτικής Ανάπτυξης, Δημοκρίτειο Πανεπιστήμιο Θράκης, Διδασκαλία σε προπτυχιακό επίπεδο, Μάθημα: «Εισαγωγή στην Πληροφορική II (Excel, Matlab, R)»
2016-2017	Π.Δ. 407 (ΕΔΒΜ20), Τμήμα Εφαρμοσμένης Πληροφορικής, Πανεπιστήμιο Μακεδονίας, Διδασκαλία σε προπτυχιακό επίπεδο, Μάθημα: «Πληροφορική και Βιώσιμη Ανάπτυξη»
2016 -2017	Λέκτορας, Μητροπολιτικό Κολέγιο Θεσσαλονίκης (Metropolitan College). Διδασκαλία σε: προπτυχιακό επίπεδο (Operations Management, Research Methods and Statistics), σε μεταπτυχιακό επίπεδο (Research Methods and Statistics)
2016 -2017	Λέκτορας, Μεσογειακό Κολέγιο Θεσσαλονίκης (Mediterranean College). Διδασκαλία σε μεταπτυχιακό επίπεδο (Global Supply Chain Management & Logistics)
2014 - 2017	Μεταδιδασκτορικός ερευνητής, Academic Practice Unit, Birmingham Children's Hospital, Birmingham, UK Μεταδιδασκτορικός ερευνητής, Aston Business School, Operations & Information Management (OIM) Group, Aston University, Birmingham, UK
2015 - 2016	Επισκέπτης ερευνητής/καθηγητής, Neoma Business School, (συνεργασία με τον καθηγητή και διευθυντή του μεταπτυχιακού προγράμματος κο. Fouad Ben Abdelaziz) Rouen, France Διδασκαλία σε μεταπτυχιακό επίπεδο: Supply Chain Management (M.Sc.), “Industrial Organisation and Technology Management”, Neoma Business School, code: SC53022E - 1 - RN

2006-2014	Καθηγητής μαθηματικών
2011-2012 Διδασκαλία σε μεταπτυχιακό επίπεδο	Σεμιναριακά μαθήματα "Ποσοτικές Μέθοδοι στην Εφοδιαστική και τη Διοίκηση Αλυσίδας Εφοδιασμού" Μεταπτυχιακό Πρόγραμμα Σπουδών "Διοίκηση Logistics", Τμήμα Οικονομικών Επιστημών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης
2009-2013 Διδασκαλία στον ιδιωτικό τομέα	Καθηγητής Μαθηματικών στο κέντρο σπουδών AKTIS
2011-2012 Διδασκαλία σε δημόσιο φορέα	Καθηγητής Μαθηματικών και Πληροφορικής, ΙΕΚ Ευόσμου
2009-2014 Διδασκαλία στον ιδιωτικό τομέα	Καθηγητής Μαθηματικών στο κέντρο σπουδών Δημιουργικό

**ΠΡΟΣΩΠΙΚΕΣ ΔΕΞΙΟΤΗΤΕΣ**

Μητρική Γλώσσα: Ελληνική

Άλλες γλώσσες

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
ECPE, University of Michigan				