

# Curriculum Vitae

## Stefanos Karakolias

10 M. Alexandrou str., 57001 Thermi

Tel.: +30 2310465979

E-mail: [stefkara@bua.teithe.gr](mailto:stefkara@bua.teithe.gr) [s.karakolias@gmail.com](mailto:s.karakolias@gmail.com)

## Contents

Summary .....	2
Academic & Other Teaching Experience .....	2
Academic Research Experience.....	3
Professional Experience .....	3
Education .....	4
Professional Certificates .....	4
Languages .....	4
Scientific Publications.....	4
Citations .....	6

## Abbreviations

AF	Dpt. of Accounting and Finance (IHU or UOM)
AUTH	Aristotle University of Thessaloniki (Greece)
DUTH	Democritus University of Thrace (Greece)
ELKE	Special Account for Research Grants
EOPPEP	National Organization for Certification of Qualifications & Vocational Guidance
EUC	European University Cyprus
HCM	MSc in Health Care Management (HOU)
HOU	Hellenic Open University (Greece)
HSCSM	MSc in Health and Social Care Services Management (AUTH)
HWUM	MSc in Health and Welfare Units Management (IHU)
IHU	International Hellenic University (Greece)
MBA	Master in Business Administration
OEE	Economic Chamber of Greece
OMMT	Dpt. of Organisation Management, Marketing and Tourism (IHU)
PME	Dpt. of Production and Management Engineering (DUTH)
SAPS	Dpt. of Social Administration and Political Science (DUTH)
SDOE	Financial Crime Squad (Greek MoF)
UNIPI	University of Piraeus (Greece)
UOM	University of Macedonia (Greece)

## Summary

- Expertise in Accounting and Finance with emphasis on healthcare, obtained from simultaneous 12-year academic, research and professional activities.
- Holding an undergraduate, two master's and a doctoral degree in the aforementioned field.
- More than 6 years' teaching experience at university level. Mostly refers to undergraduate and postgraduate programs at Greek universities. Moreover, adjunct lectureship at a Cypriot university (EUC) where ½ of total teaching takes place in English.
- 10 years' academic research experience at domestic universities.
- 33 scientific publications.
- Certified Economist and Class A Accountant (in Greece).
- Former deputy GM at public hospital, Director of finance and administration at private clinic, self-employed accountant/financial consultant, and Financial Auditor & Financial Crime Investigator at Greek MoF.

## Academic & Other Teaching Experience

### Undergraduate:

#### **Autonomous teaching (conventional; distance only for covid purposes):**

- ⇒ *Financial Management*|OMMT|Spring 2022-23.
- ⇒ *Business Economics*|OMMT|Spring 2021-22 and 2022-23.
- ⇒ *Management Accounting*|OMMT|Fall 2021-22 and 2022-23.
- ⇒ *Supply Chain Management*|OMMT|Fall 2021-22.
- ⇒ *Business Valuation*|AF|Spring 2019-20 & 2020-21.
- ⇒ *Techno-economic Studies*|AF|Fall 2020-21.
- ⇒ *Banks - Financing*|AF|Spring 2019-20.
- ⇒ *Inequality, Poverty and Social Exclusion*|SAPS|Spring 2018-19.
- ⇒ *Health Economics*|SAPS|Fall 2018-19.
- ⇒ *Financial Management (emphasis on Healthcare)*|SAPS|Fall 2018-9, Spring 2016-17 & 2017-18.
- ⇒ *Economic Evaluation Methods*|SAPS|Fall 2017-18.
- ⇒ *Financial Management*|PME|Fall 2016-17.

### Postgraduate:

#### **Autonomous teaching (conventional; distance only for covid purposes):**

- ⇒ *Health Economics and Financial Management of Health and Welfare Units*|HWUM|Spring 2018-19 to present.
  - Supervised 21 student theses.

#### **Autonomous teaching (distance):**

- ⇒ *Managerial Economics and Finance (course code: EC611)*|MBA at EUC|Spring 2018-9 to present. Half courses have been taught in English.
  - Supervised 2 student theses.
- ⇒ *Financial and Managerial Accounting (course code: A621)*|MBA at EUC|Spring 2018-9 to present. Half courses have been taught in English.

#### **Open and distance learning:**

- ⇒ *Economic and Financial Management of Health Care Services (course code: DMY60)*|HCM|Fall 2018-19 to present.
  - Supervised 22 student theses.

#### **Co-teaching (conventional, distance only for covid purposes):**

- ⇒ *Personnel Management-Soft skills in health management*|HSCSM|Spring 2021-22 to present.
- ⇒ *Health Economics*|HSCSM|Spring 2020-21 to present.
- ⇒ *Healthcare Management*|HSCSM|Fall 2020-21 to present.
- ⇒ *Health Policy*|HSCSM|Fall 2020-21 to present.

### Other:

#### **Trainer in business program:**

- ⇒ *Development of health care companies, through innovative cost management practices*|Cyprus Employers and Industrialists Federation (OEB)|Nicosia (Cyprus)|Nov-Dec 2018|Duration: 54 hours including 14 hours institutional και 40 hours intra-company training|Contents:

- Costing techniques (full-direct, activity-based costing, standard-actual)
- Interconnection between financial and cost accounting systems
- Development of cost centers
- Costing and pricing in accordance with DRGs

## Academic Research Experience

**Scholar Researcher (postdoc) | UNIPI Research Center | Piraeus(Greece)**

**Nov 2020 - Feb 2022**

- Participation in 1 research project:

1) Title: *Decision Support System Under Uncertainty Regarding Legal and Financial Management of Medical Liability Cases*

Financer: Greek Ministry of Education | Duration: 11/2020-2/2022

**Scientific Collaborator (postdoc) | ELKE DUTH | Xanthi (Greece)**

**Nov 2020 - Jun 2021**

- Participation in 1 research project:

1) Title: *Evaluation of the Hospital Drugs Budget Financing and Proposals for Rationalizing the NHS Expenditure*

Financer: Greek Patients Association | Duration: 11/2020-6/2021

**Scientific Collaborator (predoc) | ELKE DUTH | Xanthi (Greece)**

**Nov 2012 - Feb 2016**

- Participation in 9 research projects:

1) Title: *Study on the prescription and consumption of drugs by EOPYY*

Financer: Pharmaserve-Lilly S.A.C.I. | Duration: 1/2016-2/2016

2) Title: *Evaluation of data and configuration of drugs in the NHS and the EOPYY*

Financer: Merck Sharp & Dohme Corp. | Duration: 1/2015-6/2015

3) Title: *Scientific Study for the Evaluation and Implementation of Procedures for the Supply-Management of Materials, Pharmacy and the DRGs*

Financer: General Hospital of Athens "Sismanoglio-Amalia Fleming" | Duration: 12/2014-3/2015

4) Title: *Scientific Study for the Evaluation of the Current Situation and Proposals for the NHS Human Resources*

Financer: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) in collaboration with World Health Organization (WHO) | Duration: 9/2014-1/2015

5) Title: *Scientific Study-Application of Tools for the Procurement-Materials Management, Pharmacy, and DRGs*

Financer: General Hospital of Athens "G. Gennimatas" | Duration: 7/2014-9/2014

6) Title: *Scientific - Research Study for Redefining the Health Charter of Public Health Services of Evros Prefecture*

Financer: University Hospital of Evros | Duration: 5/2014-7/2014

7) Title: *Financial Management and Configuration of the NHS Hospital Evaluation Framework*

Financer: Merck Sharp & Dohme Corp. | Duration: 11/2013-2/2014

8) Title: *Public Hospitals Business Plan for their Efficient Operation*

Financer: Novartis Hellas SA; Duration: 4/2013-5/2013

9) Title: *Scientific Design and Monitoring of the Remuneration System of PHC Units by EOPYY*

Financer: ESPA 2007-2013 | Duration: 11/2012-1/2014

## Professional Experience

**Financial Auditor & Financial Crime Investigator | SDOE (Greek MoF) | Thessaloniki (Greece)**

**Jan 2019 - July 2022**

**Deputy General Manager | University Hospital of Evros | Alexandroupoli (Greece)**

**Sep 2016 - Sep 2018**

**Director of Finance and Administration | Embryoclinic IVF | Thessaloniki (Greece)**

May 2015 - Sep 2016

Accountant & Financial Consultant | Self-employed | Thessaloniki (Greece)

May 2010 - Aug 2016

## Education

- Doctor of Philosophy (PhD), Discipline: Economics and Business; Health Sciences | DUTH | 2016
- MBA, Discipline: Healthcare Units Financial Management | UOM | 2012
- BSc in Accounting and Finance | UOM | 2009
- BSc in Accounting and Finance | UOM | 2007

## Professional Certificates

- Trainer on open and distance learning | HOU | 2022
- Trainer for adults of non-formal education | EOPPEP | 2017
- Certified Class A Accountant | OEE | 2015
- Economist | OEE | 2008

## Languages

- Greek | Native proficiency
- English | Full professional proficiency

## Scientific Publications

### Theses

- [T1] Karakolias S. (2008) Profitability and competition of the Greek banking system. MSc thesis, University of Macedonia, Thessaloniki. (in Greek)
- [T2] Karakolias S. (2012) Financial depiction and construction of a reliable model of predicting financial distress in business: The case of private healthcare units in Greece. MBA thesis, University of Macedonia, Thessaloniki. (in Greek)
- [T3] Karakolias S. (2016) Primary health care providers' remuneration schemes: international experience and application to the Greek reality. PhD thesis, Dpt of Social Administration and Political Science, Democritus University of Thrace, Komotini. (in Greek)

### Articles in peer-reviewed journals

- [J1] Karakolias S, Polyzos N. (2014) The newly established unified healthcare fund (EOPYY): current situation and proposed structural changes, towards an upgraded model of Primary Health Care, in Greece. *Health*, 6(9):809-21.
- [J2] Polyzos N, Karakolias S, Dikeos C, Theodorou M, Kastanioti C, Mama K, Polizoidis P, Skamnakis C, Tsairidis C, Threos E. (2014) The introduction of Greek Central Health Fund: has the reform met its goal in the sector of Primary Health Care or is there a new model needed? *BMC Health Services Research*, 14:583.
- [J3] Polyzos N, Karakolias S, Mavridoglou G, Gkorezis P, Zilidis C. (2015) Current and future insight into human resources for health in Greece. *Open Journal of Social Sciences*, 3(5):5-14.
- [J4] Karakolias S, Polyzos N. (2015) Application and assessment of a financial distress projection model in private general clinics. *Archives of Hellenic Medicine*, 32(4):475-83. (in Greek)
- [J5] Zilidis C, Polyzos N, Karakolias S. (2016) Comparative evaluation of efficiency in the university and national health service departments of a regional university hospital. *Archives of Hellenic Medicine*, 33(2):217-23. (in Greek)
- [J6] Polyzos N, Kastanioti C, Zilidis C, Mavridoglou G, Karakolias S, Litsa P, Menegakis V, Kani C. (2016) Greek national e-prescribing system: preliminary results of a tool for rationalizing pharmaceutical use and cost. *Global Journal of Health Science*, 8(10):241-9.
- [J7] Kastanioti C, Karakolias S, Karanikas H, Zilidis C, Polyzos N. (2016) Economic evaluation based on

- KEN-DRGs in an NHS hospital. *Galenus*, 57(1):16-30. (in Greek)
- [J8] Karakolias S, Kastanioti C, Theodorou M, Polyzos N. (2017) Primary care doctors' assessment of and preferences on their remuneration: evidence from Greek public sector. *INQUIRY: The Journal of Health Care Organization, Provision, and Financing*, 54:1-8.
- [J9] Karakolias S, Dikeos C, Kastanioti C, Polyzos N. (2018) Application of an organizational assessment tool of primary health care. *Archives of Hellenic Medicine*, 35(4):497-505. (in Greek)
- [J10] Dalakaki E, Karakolias S, Kastanioti C, Polyzos N. (2018) Analysis of out-of-hospital pharmaceutical prescribing and Health Insurance System expenditure. *Archives of Hellenic Medicine*, 35(6):791-801. (in Greek)
- [J11] Karakolias S, Bartzokas D, Polyzos N. (2021) Primary health care: The Greek case, in the perspective of reform. *Archives of Hellenic Medicine*, 38(4):524-30 (in Greek)
- [J12] Vozikis A, Panagiotou A, Karakolias S. (2021) A Tool for litigation risk analysis for medical liability cases. *HAPSc Policy Briefs Series*, 2(2):268-77.
- [J13] Vozikis A, Panagiotou A, Karakolias S. (2022) A decision support tool for more effective legal and financial management of civil medical liability cases. *Journal of Regional Socio-Economic Issues*, 12(1):28-37.
- [J14] Tagarakis I, Tsiapourlianos P, Vaxevani V, Tsolaki F, Karakolias S, Tagarakis G. (2022) Administration in the operating room. *International Journal of Social Science Research*, 10(1):128-46.
- [J15] Tagarakis I, Tsiapourlianos P, Chatziefstathiadi E, Kokkori P, Vaxevani V, Papazisis G, Tsolaki F, Karakolias S, Daskalopoulos M, Tagarakis G. (2022) Blood donation—A promising field for social marketing. *International Journal of Social Science Research*, 10(2):113-29.

### **Book chapters**

- [B1] Karakolias S. (2013) “2. Health Systems of Selected Countries: UK/England, Sweden, Spain, Germany, Netherlands and USA - Dutch Health System” in N. Polyzos (Ed.) *Organization-financing study of PHC units contracted with EOPYY*, pp. 124-51. Nikolaos M. Polyzos, Komotini-Athens. (ISBN 978-960-91247-1-3) (in Greek)
- [B2] Karakolias S. (2013) “3. Health Insurance Organizations of Selected Countries: France, Germany, Austria and USA - 3.2 Social Health Insurance Organization in France: UNCAM Case Study” in N. Polyzos (Ed.) *Organization-financing study of PHC units contracted with EOPYY*, pp. 198-233. Nikolaos M. Polyzos, Komotini-Athens. (ISBN 978-960-91247-1-3) (in Greek)
- [B3] Karakolias Σ, Polyzos N. (2013) “5. EOPYY: current and initially proposed situation” in N. Polyzos (Ed.) *Organization-financing study of PHC units contracted with EOPYY*, pp. 369-408. Nikolaos M. Polyzos, Komotini-Athens. (ISBN 978-960-91247-1-3) (in Greek)
- [B4] Kastanioti A, Karakolias S. (2014) “B. Procurement and Management System (Logistics)” in N. Polyzos (Ed.) *Hospital administration business plan (for its efficient operation): Scientific - research project*, pp. 35-64. Novartis Hellas, Athens. (ISBN 978-618-5082-09-3) (in Greek)

### **Conference presentations**

- [C1] Karakolias S. (2013). The alternative case of the Netherlands. *EOPYY - PHC (With the Announcement of the Results of the Democritus University of Thrace Project)*, National School of Public Health, Athens, 25-26/10/2013.
- [C2] Karakolias S. (2013). The experience from the French UNCAM and the American KP. *EOPYY - PHC (With the Announcement of the Results of the Democritus University of Thrace Project)*, National School of Public Health, Athens, 25-26/10/2013.
- [C3] Karakolias Σ, Polyzos N. (2014) Providing financial incentives to NHS medical staff to improve performance - Pay-for-performance schemes. *10th Panhellenic Conference on Health Management, Economics and Policies*, National School of Public Health, Athens, 18-20/12/2014.
- [C4] Zilidis X, Polyzos N, Karakolias S, Menegakis X, Kani X, Mavridoglou G. (2015) Regional differences in pharmaceutical consumption and pharmaceutical expenditure in Greece, 2014. *11th Panhellenic Conference on Health Management, Economics and Policies*, National School of Public Health, Athens, 10-12/12/2015.
- [C5] Zilidis X, Polyzos N, Karakolias S, Menegakis X, Kani X, Mavridoglou G. (2015) Use of generic drugs in Greece by therapeutic category, 2013. *11th Panhellenic Conference on Health Management, Economics and Policies*, National School of Public Health, Athens, 10-12/12/2015.

- [C6] Krespani M, Kechagia D, Dimitriadou A, Karakolias S. (2019) The economic crisis and its consequences to the Greek healthcare system. *International Congress on Management of Health & Welfare Units (ICOHEMA 2019)*, Thessaloniki 30/11-01/12/2019.
- [C7] Papaspyrou M, Kechagia D, Karakolias S. (2019) Safe nurse staffing for hospitals in Thessaly. *International Congress on Management of Health & Welfare Units (ICOHEMA 2019)*, Thessaloniki 30/11-01/12/2019.
- [C8] Papaspyrou M, Laschou V, Dimitroglou A, Partsiopoulou P, Karakolias S. (2020) Nursing workload in the intensive care unit (ICU): a case study using the therapeutic intervention scoring system (TISS-28) in the ICU of Trikala general hospital. *13<sup>th</sup> Annual Panhellenic Scientific and Professional Conference of the Hellenic Regulatory Body of Nurses*, 15-18/10/2020.
- [C9] Papaspyrou M, Laschou V, Kechagia D, Partsiopoulou P, Gkagkamanou A, Karakolias S. (2021) The nursing workload in the Intensive Care Unit (ICU): A case study using the Therapeutic Intervention Rating System (TISS-28) at the G.H. of Trikala in ICU pre COVID 19. *International Congress on Management of Health & Welfare Units (2nd ICOHEMA 2021)*, Thessaloniki 19-21/03/2021.
- [C10] Chroni E, Karakolias S. (2022) Emerging trends in internal audit in public healthcare units. *International Congress on Management of Health & Welfare Units (3rd ICOHEMA 2022)*, Thessaloniki 18-20/03/2022.
- [C11] Dardogiannos T, Karakolias S. (2022) Diagnosis Related Groups (DRGS) as a financial management tool: a case study on surgical oncological cases in public hospital. *International Congress on Management of Health & Welfare Units (3rd ICOHEMA 2022)*, Thessaloniki 18-20/03/2022.

## Citations

Citations: 74

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