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## **Sotirios Maipas – Short CV**

*(or Sotirios G. Maipas)*

Physicist, Appointed Lecturer in Environmental Health, CHST, MSc, MBA, PhD, PhD,  
Postdoc

### **1. PERSONAL INFORMATION AND CONTACT DETAILS:**

**Date of birth:** 12 June 1987

**Place of birth:** Athens, Greece

**Place of residence:** Korydallos, Greece

**Military service:** Completed

#### **Contact details:**

Master Program “Environment and Health. Management of Environmental Health Effects”, School of Medicine, National and Kapodistrian University of Athens, 75 Mikras Asias Str., Athens 11527, Greece. Emails: [sotgmaip@gmail.com](mailto:sotgmaip@gmail.com); [smaipas@med.uoa.gr](mailto:smaipas@med.uoa.gr)

Tel. (mob.): 0030 XXXXXXXX41

Personal website: [sgmaipas.com](http://sgmaipas.com)

### **2. PROFESSIONAL EXPERIENCE:**

- **2024:** Text editing in the Greek version of the book by Abas, Adul et al. (2020) “Robbins Essential Pathology”, Elsevier. [Basic Principles of Pathological Anatomy, Broken Hill Publishers Ltd, 2024].
- **2023 - now:** Appointed Lecturer in Environmental Health, School of Medicine, National and Kapodistrian University of Athens, Greece
- **2023 - now:** Review Editor, Specialty Section: Environmental Health and Exposome, *Frontiers in Environmental Science* (Frontiers, I.F.: 4,6) & *Frontiers in Public Health* (Frontiers, I.F.: 5,2)
- **2023:** Translation from Greek to English of selected didactic material (7 presentations) for the English undergraduate program of the Athens School of Medicine
- **2023 - now:** Editorial Board Member, *Environmental Health Insights* (SAGE, I.F.: 2,7)
- **2022 - now:** Member of the teaching staff, undergraduate course “Environmental Health”, School of Medicine, National and Kapodistrian University of Athens, Greece
- **2022 - 2023:** Member of the teaching staff, Master Program “Nutrition, Well-Being and Public Health”, Food Science and Nutrition Department, University of the Aegean, Greece (2 academic years)
- **2021 - 2023:** Guest Editing for the special issues: “Environmental Health Education: New Trends, Innovative Approaches and Challenges” & “COVID-19 and Environmental Health”, *Environmental Health Insights* (SAGE)
- **2021 - now:** 8 reviews for the Journal “Environmental Pollution” (IF=8.9 - Certificate of reviewing available upon request)

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- **2020 - now:** Author, M. Sideris Publications [4 books: one historical novel, one science fiction book, one Christmas fairytale, and the book: Math Word Problems of Environmental Content for Primary School Children. Michalis Sideris Publications; 2021. (book in Greek language)]
- **2019 - now:** Supervisor and Member of the Scientific Committee for more than 60 master theses (full list of theses available upon request)
- **2019 - now:** Administrative and Scientific Support, First Laboratory of Pathology, School of Medicine, National and Kapodistrian University of Athens, Greece
- **2019-2021:** Member of the STEAM (Science, Technology, Engineering, Arts and Mathematics) Committee of the Open Technologies Alliance (Greece)
- **2019 - 2020:** Image processing of pathology specimens for the trilingual museum atlas titled "ATHENS - BERLIN PICTURES OF THE HUMAN BODY, PICTURES OF DISEASE: AN INTERNATIONAL ATLAS OF PATHOLOGICAL SPECIMENS" (Editors: N. Kavantzias, T. Schnalke, 2020), Paschalidis Medical Publications & BROKEN HILL PUBLISHERS LTD. The image processing involved digital removal of support materials (e.g., glass rods) and various necessary corrections, varying by specimen and image.
- **2018-2019:** Member of the Evaluation Committee for the 1st Panhellenic Open Technologies Robotics Competition
- **2017 - Present:** Research Associate and Member of the Teaching Staff, "Environment and Health. Management of Environmental Health Effects", School of Medicine, National and Kapodistrian University of Athens, Greece
- **2017:** Participation in the reorganization and reestablishment of the MSc program "Environment and Health. Management of Environmental Health Effects", School of Medicine, National and Kapodistrian University of Athens, Greece
- **2015:** Member of the Coordinators' Team for the Greek discussion of the World Dialogue on Climate and Energy (World Wide Views on Climate and Energy), which took place as part of the preparations for the COP21 (UN Conference of the Parties No. 21) on June 6, 2015
- **2014 - now:** Manager and Communication Responsible for the website "onpodium.gr - The Art of Sharing Knowledge," which focuses on scientific, educational, and cultural content
- **2014 - now:** Scientific Support in the MSc program "Environment and Health. Management of Environmental Health Effects", School of Medicine, National and Kapodistrian University of Athens, Greece
- **2013 - 2014:** Internship and subsequent employment with duties as an office clerk in the companies Global Ergon Management Consultants and DIANEK (International Development Company of Constructions)
- **2011:** Office Assistant in a security and information department of the Greek Army during military service, with a pre-employment certificate
- **2010 - now:** Scientific and literary editing (relevant acknowledgments available upon request)
- **2006 - 2012:** Private tutoring in physics, mathematics, and computer science for secondary education students

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### 3. EDUCATION:

#### 3.1 Completed:

- **2005-2010:** School of Physics, Aristotle University of Thessaloniki, Greece - thesis title: Climate Change and its Health Impacts
- **2012-2014:** Master Program "Environment and Health. Capacity Building for Decision Making", School of Medicine, National and Kapodistrian University of Athens, Greece -thesis title: Sunscreen products: Part A: Sunscreen products as a protective means against ultraviolet solar radiation. Part B: Potential health and environmental risks – An emerging environmental risk
- **2015-2018:** Doctoral Thesis, School of Medicine, National and Kapodistrian University of Athens, Greece -PhD thesis title: Study of the fractal dimension of breast cancer cells
- **2019-2022:** Master of Business Administration, Hellenic Open University - thesis title: The environmental health dimension of hybrid- and remote-working models: An exploratory study
- **2022 – 2023:** Postdoc Research, School of Medicine, National and Kapodistrian University of Athens, Greece -title: Smoking as a Potential Environmental Factor Affecting the Fractal Dimension of Lung Alveolar Cells
- **2022 - 2024:** 2<sup>nd</sup> Doctoral thesis, School of Medicine, National and Kapodistrian University of Athens, Greece -PhD thesis title: The Museum of Pathology of the Medical School of the National and Kapodistrian University of Athens: Its Contribution to the Educational Process of Undergraduate Medical Students, and Postgraduate Environmental Health Students

#### 3.2 Ongoing:

- **2024 - now:** 3rd PhD (Department of Electronic Engineering, Hellenic Mediterranean University, Chania, Crete, Greece)
- **2024 - now:** 2nd Postdoc Research (study area: The concept of Environmental Health in Ancient Egypt), Mediterranean Studies Department, Aegean University, Rhodes, Greece

#### 3.3 Certifications:

- **2022:** Life Cycle Assessment (LCA) based on ISO 14040/14044. National and Kapodistrian University of Athens, Greece
- **2022:** Marketing and brand mixture. National and Kapodistrian University of Athens, Greece
- **2021:** EUHeritage: Skills for promotion, valorisation, exploitation, mediation and interpretation of European Cultural Heritage. Developers: Materahub, Fondazione Fitzcarraldo, Italian Chamber of Commerce in Spain et al.
- **2021:** Certified Health and Safety Technician (CHST), ACTA (Aristotle Certification Training & Assessment: spin-off of the Aristotle University of Thessaloniki, Greece)
- **2020:** Certificate in Educational Data Literacy, Erasmus+ Program of the European Union
- **2017:** Vellum International Diploma in Travel and Tourism, VELLUM Global Educational Services

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- **2016:** Online Marketing Fundamentals in Tourism, GoogleTM, Hellenic Ministry of Tourism et al.
- **2016:** Municipal Solid Waste Management in Developing Countries, École Polytechnique Fédérale de Lausanne and EAWAG [Swiss Federal Institute of Aquatic Science and Technology (WHO Collaborating Center for Sanitation and Water in Developing Countries)]
- **2014:** Public Relations – Communication, program organized by the Hellenic Government for the skill development of young graduates
- **2009:** Vellum International Diploma in Information Technology Skills Proficiency, VELLUM Global Educational Services, and University of Cambridge

### 3.4 Languages:

- Greek (native speaker)
- English (C2, University of Cambridge)
- Spanish (B2, Instituto Cervantes, ongoing preparation for the C2 examination)

### 4. PUBLICATIONS:

h-index: 8, i10-index: 8, >2300 citations (Google Scholar, February 2025)

- Maipas, S., Kavantzias, N. (2024). Climate crisis: A term used to avert an environmental health medieval era. *Environmental Health Insights*. doi: 10.1177/11786302231224582
- Maipas, S., Chatzoglou, P. (2024). Remote working and firms' environmental profile: a study on the Greek population. *Journal of Environmental Planning and Management*. doi: 10.1080/09640568.2023.2295804
- Maipas, S., Foukas, P. G., Panayiotides, I. G., Vamvakaris, I., Kavantzias, N. (2023). Evidence That Cigarette Smoking Alters Alveolar Type I Cell Nuclear Fractal Dimension. *Cureus*, 15(12). doi: 10.7759/cureus.50254
- Maipas, S., Liossi, S., Konstantinidou, A., Mouliou, M., Lazaris, A.C., Papageorgiou, E., Kavantzias, N. (2023). Incorporating medical museum specimens into the training of environmental health students. *Environmental Health Insights*, 17. <https://doi.org/10.1177/11786302231211085>
- Maipas, S., Kavantzias, N. (2023). A Case Study on the Significance of the Explicit and Tacit Knowledge in Environmental Health: A Letter to the Editor on the "Pesticide Use Practice and Associated Factors Among Rural Community of Malga District, Sidama Regional State, South Ethiopia". *Environmental Health Insights*, 17. doi: 10.1177/1178630223119885
- Liossi, S., Tsiambas, E., Maipas, S., Papageorgiou, E., Lazaris, A., & Kavantzias, N. (2023). Mathematical modeling for Delta and Omicron variant of SARS-CoV-2 transmission dynamics in Greece. *Infectious Disease Modelling*, 8(3), 794-805.
- Mathiou, V., Tsiambas, E., Maipas, S., Thymara, I., Mastronikoli, S., Peschos, D., Tsamis, I., Lazaris, A.C., Kavantzias, N., & Stathopoulos, P. (2023). Heat Shock Proteins' Expression Profiles in Odontogenic Ameloblastomas and Cysts. *Cancer Diagnosis & Prognosis*, 3(6), 635-638.

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- Mathiou, V., Tsiambas, E., Maipas, S., Thymara, I., Peschos, D., Lazaris, A. C., & Kavantzias, N. (2023). Impact of CD34-dependent Micro Vessel Density on Periapical Odontogenic Cysts. *Cancer Diagnosis & Prognosis*, 3(2), 189-193.
- D. Ntesou, K. Douros, E. Tsiambas, S. Maipas, H. Sarlanis, A.C. Lazaris, N. Kavantzias. Impact of Immune-Inflammatory Microenvironment Alterations on the Bronchial Lumen of Children With Protracted Bacterial Bronchitis. *Cureus* (2021), 13(12).
- S. Maipas, A. Konstantinidou, A.C. Lazaris, N. Kavantzias. Environmental Health Education: From Museum Specimens and Math Word Problems to Virtual and Augmented Reality. *Environmental Health Insights* (2021).doi:10.1177/11786302211066355
- S. Maipas, I.G. Panayiotides, I., N. Kavantzias. Remote-Working Carbon-Saving Footprint: Could COVID-19 Pandemic Establish a New Working Model with Positive Environmental Health Implications? *Environmental Health Insights* (2021), 15. doi: 10.1177/1178630221101354
- S. Maipas, I.G. Panayiotides, Tsiodras, S., N. Kavantzias. COVID-19 Pandemic and Environmental Health: Effects and the Immediate Need for a Concise Risk Analysis. *Environmental Health Insights* (2021), 15. Doi: 10.1177/117863022199635
- S. Maipas. A 15 C's Pathway of Sustainability in Environmental Health Management & The Crucial Role of Higher Education Institutions. *Journal of Education, Innovation, and Communication* (2020), 2(1):10-25.
- S. Maipas. Environmental Health Concept Revealed in Paintings of Great Artists. *Journal of Arts & Humanities* (2019), 8(7):9-15.
- S. Maipas. Need for establishing National Observatories for the Environmental Impacts of Tourism. *Journal of Mediterranean Ecology* (2019), 17:15-22
- S. Maipas, A. Nonni, E. Politi, H. Sarlanis, N. G. Kavantzias. The Goodness-of-fit of the Fractal Dimension as a Diagnostic Factor in Breast Cancer. *Cureus* (2018), 10(11): e3630
- P. Nicolopoulou-Stamati, S. Maipas, C. Kotampasi, P. Stamatis, L. Hens. Chemical pesticides and human health: The urgent need for a new concept in agriculture. *Frontiers in Public Health* (2016), doi: 10.3389/fpubh.2016.00148
- S. Maipas, P. Nicolopoulou-Stamati. Sun lotion chemicals as endocrine disruptors. *Hormones*, 14.1 (2015), 32-46

## 5. CONFERENCES:

- **2024:** Member of the Review Committee, The 12th European Conference on Arts & Humanities (ECAH2024), London, July 11-15, 2024.
- **2023:** Member of the Review Committee, The 11th European Conference on Arts & Humanities (ECAH2023), 13-17 July 2023, London
- **2022:** Member of the Scientific Committee of the 7th Annual International Conference on Communication and Management (ICCM2022), 26-29 September 2022, Communication Institute of Greece
- **2022:** Senior Reviewer at The European Conference on Arts & Humanities (ECAH2022). The International Academic Forum, 21-24 July 2022, London

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- Speaker at many national and international conferences

Selected presentations (full list available upon request):

- **2024:** E. Tsiambas, S. Liossi, S. Maipas, E. Papageorgiou, A. Lazaris, N. Kavantzias. Comparative Analysis of the Transmission Dynamics of SARS-CoV-2 Delta/Omicron Variants Using Artificial Intelligence Mathematical Models. 29th Medical Conference of the Armed Forces "One Health and Smart Innovation," Thessaloniki, November 28 – December 1, 2024.
- **2024:** A. Tzigkou, S. Maipas. Environmental health issues in refugee camps. 10th International Scientific Conference of the Greek Institute of Humanities and Social Sciences (IAKE), "SOCIAL AND EDUCATIONAL ADAPTABILITY: Migration, Integration, Sustainability and Digital Technologies" Heraklion, Crete, May 16-19, 2024. [in Greek]
- **2023:** G. Antasouras, J. Volpe, G. K. Vasios, M. Chrysafi, C. Tryfonos, S. Maipas S., E. Psara, N. Kavantzias, A. Y. Troumbis, C. Giaginis. Plant-based diets as sustainable approaches to promote environmental health and human well-being. 17th Panhellenic Congress of Nutrition & Dietetics, Athens, December 8-10, 2023.
- **2023:** A. Tiniakos, M. Gialeli, A. Y. Troumbis, G. Antasouras, C. Giaginis, S. Maipas, N. Kavantzias, G. K. Vasios. Sustainable diet and food affordability: could all populations, regardless of income, afford the implementation of a sustainable diet? 17th Panhellenic Congress of Nutrition & Dietetics, Athens, December 8-10, 2023.
- **2023:** A. Tzigkou, S. Maipas. Artificial intelligence as a tool to enhance the role of the active citizen in adapting to the climate crisis. 9th International Scientific Conference of the Greek Institute of Humanities and Social Sciences (IAKE), "CITIZENSHIP, EDUCATION, AND POLITICAL PARTICIPATION: Encouraging active citizenship in the era of artificial intelligence" Heraklion, Crete, May 26-28, 2023. [in Greek]
- **2023:** S. Maipas, A.E. Konstantinidou, N. Kavantzias. The footprint of environmental impact on health in museum exhibits. 2nd Conference of the National and Kapodistrian University of Athens on the Climate Crisis, Athens, April 10-11, 2023. [in Greek]
- **2022:** S. Maipas, N. Kavantzias. The impact of the climate crisis on the quality of life: The role of health. 1st Conference of the National and Kapodistrian University of Athens on the Climate Crisis, Athens, June 15-17, 2022. [in Greek]
- **2022:** S. Maipas, N. Kavantzias. Education for the climate crisis within the school context: Exploring innovative educational interventions. 1st Conference of the National and Kapodistrian University of Athens on the Climate Crisis, Athens, June 15-17, 2022. [in Greek]
- **2022:** S. Maipas, N. Kavantzias. The experience of the pandemic in the service of adaptation and mitigation of the climate crisis. 1st Conference of the National and Kapodistrian University of Athens on the Climate Crisis, Athens, June 15-17, 2022. [in Greek]

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- **2018:** S. Maipas, A. Nonni, A. Politis, H. Sarlanis, N. Kavantzias. Fractal Geometry: Educational and technological innovation from the classroom to cancer research – An application example in breast cancer. Panhellenic Scientix Conference on STEM Education, National Technical University of Athens, September 3-4, 2018. [in Greek]
- **2018:** S. Maipas. Environmental education as a means of addressing school bullying. 1st Panhellenic Conference on Critical Education "Critical Education for the School of Social Needs," Department of Primary Education, Faculty of Education, Aristotle University of Thessaloniki, Thessaloniki, April 20-22, 2018. [in Greek]
- **2022:** S. Maipas, N. Kavantzias. Could chess be used in gamification projects related to environmental education? International Online Conference "Chess in Education", International Chess Federation, 25-26 June 2022
- **2022:** S. Maipas, A. Konstantinidou, A. Lazaris, M. Mouliou, E. Papageorgiou, N. Kavantzias. Incorporating Museum Specimens Into the Educational Activities and Training of Environmental Health Students. The European Conference on Arts & Humanities (ECAH2022). The International Academic Forum, 21-24 July 2022, London.
- **2022:** S. Maipas, N. Kavantzias. Applying math word problems, based on real-life scenarios, into the environmental education in primary schools. 11th World Environmental Education Congress. WEEC Network, 14-18 March 2022, Prague.
- **2021:** S. Maipas, A 15 C's Pathway of Sustainability in Environmental Health Management & The Crucial Role of Higher Education Institutions. 2nd International Conference on Education (EDU2021), Communication Institute of Greece, 8-12 August 2021.
- **2019:** S. Maipas. The Value of Interdisciplinarity in Education: A Case Study in an Interdisciplinary Environmental Health Master's Program [in Greek], 5th International Scientific Conference of the Greek Institute of Humanities and Social Sciences, Herakleion, April 5-7, 2019.
- **2014:** L. Hens, I. Matiatos, P. Stamatis, C. Kotampasi, S. Maipas, M. Papadopoulou, P. Nicolopoulou-Stamati. Health effects of climate changes: need for mitigating and adaptive measures. International Conference ADAPTtoCLIMATE, Nicosia, Cyprus, 27th and 28th March 2014

## 6. TEACHING SUBJECTS:

- Fundamentals of Environmental Physics and Environmental Chemistry
- Introduction to Atmospheric Physics
- Basic Principles of Environmental Exposure
- Indoor Air Pollution and Health Impacts
- Atmospheric Pollutants and Health Effects
- Chemical Substances, Food, Cosmetics, and Health Impacts
- Radiations and Health Effects

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- Healthcare Waste Management
- Climate Change and Human Health
- Sustainable Development, Innovation, and Environmental Health
- Diet, Environmental Health, and Quality of Life
- Innovation in Environmental Management
- Environmental Health through Art
- Sunscreen Products: Part I - Categories, Mode of Action; Part II - Potential Health and Environmental Risks
- Environmental Education and Communication
- Impacts of Tourism on the Environment
- Methodology of Writing and Presenting Papers

*Also, within the framework of the aforementioned course, during the academic year 2023-2024, I delivered a lecture to ERASMUS students titled:*

- *"Environmental Health: Key Insights from WHO, EEA, US EPA, IPCC, and Other Official Bodies"*

#### **7. SCIENTIFIC AND RESEARCH INTERESTS:**

- Environmental Health and Environmental Management
- Dissemination of Scientific Knowledge and Information
- Sustainable Development & Innovation
- Environmental Education & Education for Sustainability
- Tourism and Environment
- Environmental Dimension of Work Models
- Entrepreneurship and Environment
  - **(Award:** Second place in the national business idea competition "Open Entrepreneurial Horizons" - 7th Entrepreneurship Competition of the Hellenic Open University, 2021)