

A short curriculum vitae

Dr. Michael Tsatiris is an Assistant Professor at the Department of Forestry and Management of the Environment and Natural Resources at the Democritus University of Thrace, Greece. His major research area is Biomass, Bioenergy and Biofuels. He received his Diploma and Master of Science degrees from the International Center for Advanced Mediterranean Agronomic Studies (CIHEAM, Paris) and his Doctorate from the Department of Forestry and Natural Environment of the Aristotle University of Thessaloniki, Greece. Over the years, he has applied varied approaches to teaching and conducting research with undergraduate and postgraduate students. At the same time, he has authored publications in peer-reviewed journals and conferences.

Research Interest: bioenergy and biofuels

- Website: <https://fmenr.duth.gr/author/tsatiris/>
- Email address: tsatiris@fmenr.duth.gr
- Contact Phone: +30 25520-41107
- Fax: +30 25520-41192

Selected publications

20 International Books-Book Chapters

1. Paschalidou, A., Tsatiris, M., Kitikidou, K., Papadopoulou, Chr. 2018. Using Energy Crops for Biofuels or Food: the Choice. Series Title: Green Energy and Technology. Series ISSN: 1865-3529. First Edition. eBook ISBN: 978-3-319-63943-7. Hardcover ISBN: 978-3-319-63942-0. Publisher: Springer International Publishing, p. 181. (International Monograph-Book).

Websites: <http://www.springer.com/la/book/9783319639420>

<https://link.springer.com/book/10.1007/978-3-319-63943-7>

<https://www.amazon.com/Using-Energy-Crops-Biofuels-Food/dp/3030097064>

<https://www.sapnaonline.com/shop/author/michael-tsatiris>

<https://www.springerprofessional.de/using-energy-crops-for-biofuels-or-food-the-choice/15755008>

<https://www.barnesandnoble.com/w/using-energy-crops-for-biofuels-or-food-annoula-paschalidou/1133188571>

<https://www.chapters.indigo.ca/en-ca/books/using-energy-crops-for-biofuels/9783319639420-item.html>

<https://www.booktopia.com.au/using-energy-crops-for-biofuels-or-food-annoula-paschalidou/book/9783319639420.html>

<https://www.bokklubben.no/landbruksvitenskap/using-energy-crops-for-biofuels-or-food-the-choice-annoula-paschalidou/produkt.do?produktId=15824962>

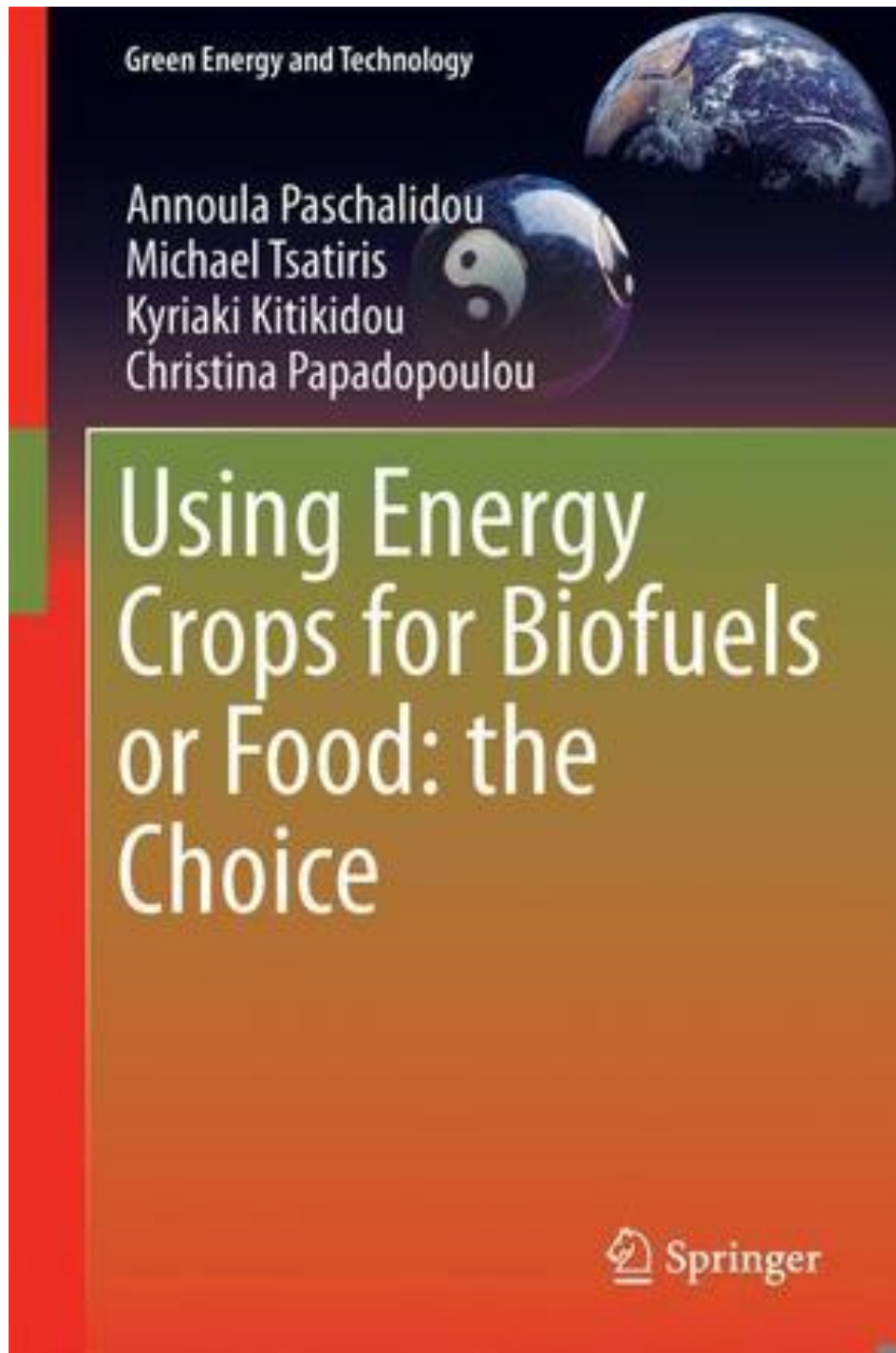
<https://www.kobo.com/us/en/ebook/using-energy-crops-for-biofuels-or-food-the-choice>

<https://www.walmart.com/ip/Green-Energy-and-Technology-Using-Energy-Crops-for-Biofuels-or-Food-The-Choice-Hardcover-9783319639420/238795350>

<https://www.sack.de/paschalidou-papadopoulou-kitikidou-using-energy-crops-for-biofuels-or-food-the-choice/9783030097066>

This book performs a SWOT (strengths, weaknesses, opportunities and threats) analysis to examine the current food crisis and how it relates to the use of crops for energy. It analyses how energy crops may help solve humankind's environmental changes and summarises the economic and practical changes of cultivating and utilising energy crops. Two of humanity's greatest challenges are the need for more food production as well as growing demands for energy. Biofuel cultivation has been identified as a solution to growing energy use, and biomass power plants offer a rare renewable energy source that requires only basic technology. In this context, a dilemma arises concerning whether energy crops should be used for energy or to help remedy the food crisis. SWOT analysis allows us to organise and weigh different pros and cons against each other in terms of economics, job creation, environmental impacts,

the climate change agenda, and European Union (EU) directives that promote biofuels over fossil fuels. By pursuing this approach, the book helps researchers and decision-makers cut through the many competing arguments in connection with this complex subject.



2. Paschalidou, A., Tsatiris, M., Kitikidou, K., Papadopoulou, Chr. 2018. Alternative Strategies (Book Chapter). In Book “Using Energy Crops for Biofuels or Food: the Choice”. Series Title: Green Energy and Technology. Series ISSN: 1865-3529. First Edition. eBook ISBN: 978-3-319-63943-7. Hardcover ISBN: 978-3-319-63942-0. Publisher: Springer International Publishing, pp. 85-96.
3. Paschalidou, A., Tsatiris, M., Kitikidou, K., Papadopoulou, Chr. 2018. Results and Discussion (Book Chapter). In Book “Using Energy Crops for Biofuels or Food: the Choice”. Series Title: Green Energy and Technology. Series ISSN: 1865-3529. First Edition. eBook ISBN: 978-3-319-63943-7. Hardcover ISBN: 978-3-319-63942-0. Publisher: Springer International Publishing, pp. 45-84.
4. Paschalidou, A., Tsatiris, M., Kitikidou, K., Papadopoulou, Chr. 2018. Biofuels (Book Chapter). In Book “Using Energy Crops for Biofuels or Food: the Choice”. Series Title: Green Energy and Technology. Series ISSN: 1865-3529. First Edition. eBook ISBN: 978-3-319-63943-7. Hardcover ISBN: 978-3-319-63942-0. Publisher: Springer International Publishing, pp. 25-30.
5. Paschalidou, A., Tsatiris, M., Kitikidou, K., Papadopoulou, Chr. 2018. Bioenergy–Biomass–Energy Crops (Book Chapter). In Book “Using Energy Crops for Biofuels or Food: the Choice”. Series Title: Green Energy and Technology. Series ISSN: 1865-3529. First Edition. eBook ISBN: 978-3-319-63943-7. Hardcover ISBN: 978-3-319-63942-0. Publisher: Springer International Publishing, pp. 11-24.
6. Paschalidou, A., Tsatiris, M., Kitikidou, K., Papadopoulou, Chr. 2018. Biomass–Biofuels and Sustainable Approach (Book Chapter). In Book “Using Energy Crops for Biofuels or Food: the Choice”. Series Title: Green Energy and Technology. Series ISSN: 1865-3529. First Edition. eBook ISBN: 978-3-319-63943-7. Hardcover ISBN: 978-3-319-63942-0. Publisher: Springer International Publishing, pp. 31-34.

7. Paschalidou, A., Tsatiris, M., Kitikidou, K., Papadopoulou, Chr. 2018. Using Energy Crops for Biofuels or Food: The Choice (Book Chapter). In Book “Using Energy Crops for Biofuels or Food: the Choice”. Series Title: Green Energy and Technology. Series ISSN: 1865-3529. First Edition. eBook ISBN: 978-3-319-63943-7. Hardcover ISBN: 978-3-319-63942-0. Publisher: Springer International Publishing, pp. 35-38.
8. Paschalidou, A., Tsatiris, M., Kitikidou, K., Papadopoulou, Chr. 2018. Methods (SWOT Analysis) (Book Chapter). In Book “Using Energy Crops for Biofuels or Food: the Choice”. Series Title: Green Energy and Technology. Series ISSN: 1865-3529. First Edition. eBook ISBN: 978-3-319-63943-7. Hardcover ISBN: 978-3-319-63942-0. Publisher: Springer International Publishing, pp. 39-44.
9. Paschalidou, A., Tsatiris, M., Kitikidou, K., Papadopoulou, Chr. 2018. Global Nutritional Need—The Energy Problem (Book Chapter). In Book “Using Energy Crops for Biofuels or Food: the Choice”. Series Title: Green Energy and Technology. Series ISSN: 1865-3529. First Edition. eBook ISBN: 978-3-319-63943-7. Hardcover ISBN: 978-3-319-63942-0. Publisher: Springer International Publishing, pp. 1-10.
10. Papadopoulos, A. and Tsatiris M. 2013. Investigation of the feasibility of constructing a biofuel plant in the region of North Evros. *Green Design, Materials and Manufacturing Processes*. CRC Press-Taylor and Francis, London, ISBN: 978-1-138-000469, pp. 393-398 (Book Chapter). Indexed in Web of Knowledge and Science Verse SCOPUS. Website: <https://www.crcpress.com/Green-Design-Materials-and-Manufacturing-Processes/Bartolo-Bartolo-Alves-Mateus-Almeida-Lemos-Craveiro-Ramos-Reis-Durao-Ferreira-Duarte-Roseta-Castro-e-Costa-Quaresma-Neves/p/book/9781138000469>
11. Paschalidou, A. and Tsatiris, M. 2021. SWOT Analysis of Perennial vs Annual Energy Crops: A Case Study in Greece. Book Chapter. *New Approaches in Engineering Research Vol. 3*, Book Publisher International, Print ISBN: 978-93-91312-84-8, eBook ISBN: 978-93-91312-89-3, pp. 16-48.
12. Tsatiris, M. 2021. An Opinion Poll for the Establishment of a Bioethanol Plant Utilizing Local Resources and a Fuzzy Inference System: An Advance Study. Book Chapter. *Challenging Issues on Environment and*

Earth Science Vol. 5, Book Publisher International, Print ISBN: 978-93-91312-21-3, eBook ISBN: 978-93-91312-22-0, pp. 60-77.

13. Giannarou, S. and Tsatiris, M. 2021. Bioclimatic Analysis based on the Climate of Greece: An Approach towards Minimization of Energy Consumption in Buildings. Book Chapter. *Current Approaches in Science and Technology Research Vol. 7*. Book Publisher International, Print ISBN: 978-93-91312-31-2, eBook ISBN: 978-93-91312-36-7, pp. 64-94.
14. Giannarou, S. and Tsatiris, M. 2021. Energy Conservation in Buildings with Passive Heating and Cooling Strategies: A Prospective Study in Greece's Climatic Zones. Book Chapter. *Current Approaches in Science and Technology Research Vol. 7*. Book Publisher International, Print ISBN: 978-93-91312-31-2, eBook ISBN: 978-93-91312-36-7, pp. 95-117.
15. Tsatiris, M. and Kitikidou, K. 2021. Study on Energy and Biofuels Generation from Biomass through Thermochemical Conversion Technologies. Book Chapter. *Current Approaches in Science and Technology Research Vol. 1*. Book Publisher International, Print ISBN: 978-93-90149-96-4, eBook ISBN: 978-93-90149-97-1, pp. 107-116.
16. Tsatiris, M. 2021. The Case Study of Forest Bioenergy as a Method for Selecting the Best Forecasting Model. Book Chapter. *Insights into Economics and Management Vol. 10*. Book Publisher International, Print ISBN: 978-93-90888-98-6, eBook ISBN: 978-93-90888-03-0, pp. 96-104.
17. Giannarou, S. and Tsatiris, M. 2021. Designing Bioclimatic Buildings to Minimize Energy Consumption: A Study on the Role of Education. Book Chapter. *New Approaches in Engineering Research Vol. 8*, Book Publisher International, Print ISBN: 978-93-91473-60-0, eBook ISBN: 978-93-91473-64-8, pp. 146-157.
18. Chouliara, X. and Tsatiris, M. 2021. Study on Greek Pupils' Awareness about the Contribution of Renewable Energy in Sustainable Development. Book Chapter. *Current Approaches in Science and Technology Research Vol. 14*. Book Publisher International, Print ISBN: 978-93-91595-01-2, eBook ISBN: 978-93-91595-09-8, pp. 86-94.

19. Tsatiris, M. 2021. Use of Biomass as a Raw Material for Energy Production. Book Chapter. *Recent Research Advances in Biology Vol. 12*. Book Publisher International, Print ISBN: 978-93-91595-86-9, eBook ISBN: 978-93-91595-91-3, pp. 95-101.
20. Tsatiris, M. 2021. The Case Study of Forest Bioenergy as a Method for the Application of Stratified Random Sampling with Optimum Allocation. Book Chapter. *Current Approaches in Science and Technology Research Vol. 3*, Book Publisher International, Print ISBN: 978-93-91215-58-3, eBook ISBN: 978-93-91215-59-0, pp. 88-100.

Other Selected Publications

21. Tsatiris, M. 2012. Analysis of Methodology for the Application of Stratified Random Sampling with Optimum Allocation: The Case Study of Forest Bioenergy. *Journal of Environmental Science and Engineering*, EL Monte, California, USA, 1(1B): 82-91.
22. Papadopoulos, A. and Tsatiris M. 2013. Investigation of the feasibility of constructing a biofuel plant in the region of North Evros. Proceedings of *International Conference on Sustainable Intelligent Manufacturing*, 26-28 June 2013, Lisbon, Portugal, pp. 773-778. Indexed in Web of Knowledge and Science Verse SCOPUS.
23. Tsatiris, M. 2015. An Opinion Poll for the Establishment of a Bioethanol Plant Utilizing Local Resources and a Fuzzy Inference System. *Journal of Environmental Science and Engineering*, 4 (4B):190-202, El Monte, California, USA.
24. Tsatiris, M. 2015. Methodology for Selecting the Best Model for Forecasts: The Case Study of Forest Bioenergy. *Journal of Environmental Science and Engineering*, 4 (5A):266-272, El Monte, California, USA
25. Tsatiris, M. and K. Kitikidou. 2016. Biomass as a raw material for energy production. *Brazilian Journal of Biological Sciences*, 3 (6): 251-255. Journal Impact factor: 2.5.

26. Paschalidou, A., Tsatiris M., Kitikidou, K. 2016. Energy crops for biofuel production or for food? – SWOT analysis (case study: Greece). *Renewable Energy* (Elsevier), 93: 636-647. Indexed in Scopus. Journal Impact factor: 3.404.

27. Tsatiris, M., Papastavrou, A., Karameris, A and D. Pallis. 1997. Organization and self-financing of the city parks of Thessaloniki for recreation purposes. *MEDIT*, No 4. Journal of Economics, Agriculture and Environment. Edagricole, Bologna, pp. 30-33.

28. Tsatiris, M. 2006. Energy and Environment. Typothito Press Co. Second Edition, Athens, p. 165 (Book, in Greek). ISBN 9604020560. Website: <https://www.politeianet.gr/books/9789604020560-tsatiris-n-michail-tupothito-dardanos-energeia-kai-periballon-111706>

29. Tsatiris, M. 2018. Bioenergy and Biofuels. Papazisis Press Co., First Edition, Athens, p. 193 (Book, in Greek). ISBN: 978-960-02-3407-7

30. Kioulanis, S., Panagiotidou, A., Tsatiris, M. 2018. The Interaction in Online Learning environments. *Theory and Research in the Sciences of Education*, ISSN: 2407-9669, Vol. 2, Issue 1.

31. Panagiotidou, A., Kioulanis, S., Tsatiris, M. 2018. Critical Thinking and Interaction in online education as a factor of raising awareness, changing attitudes and transforming citizens' inaccurate assumptions about the environment. Volume 6, Issue 2, 2018. *Educ@tional Circle* ISSN: 2241-4576

32. Tsatiris, M. 2018. Eucalypt for district heating: A fuzzy inference system. *Journal of Scientific and Engineering Research (An International Journal)*, Vol. 5, Issue 3 (2018).

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35. Tsatiris, M. 2018. Switchgrass for cogeneration: A fuzzy inference system. *Journal of Scientific and Engineering Research (An International Journal)*, Vol. 5, Issue 3 (2018).
36. Tsatiris, M. and Kitikidou, K. 2018. Energy and biofuels generation from biomass through thermochemical conversion technologies. *Journal of Agriculture and Allied Sciences*, Volume 7, Issue 1 (2018).
37. Tsatiris, M. and Kitikidou, K. 2018. Willow for electricity generation: A Mamdani-type fuzzy inference system. *Journal of Scientific and Engineering Research (An International Journal)*, Vol.5, Issue 4 (2018).
38. Tsatiris, M. and Kitikidou, K. 2018. Black locust for district heating: A fuzzy inference system. *Journal of Scientific and Engineering Research (An International Journal)*, Vol.5, Issue 4 (2018).
39. Tsatiris, M. and Kitikidou, K. 2018. Cardoon for cogeneration: A fuzzy inference system. *Journal of Scientific and Engineering Research (An International Journal)*, Vol.5, Issue 4 (2018).
40. Tsatiris, M. and Kitikidou, K. 2018. Giant reed for electricity generation: A fuzzy inference system. *Journal of Scientific and Engineering Research (An International Journal)*, Vol.5, Issue 5 (2018).
41. Tsatiris, M. and Kitikidou, K. 2018. Miscanthus for Combined Heat and Power: A fuzzy inference system. *Journal of Scientific and Engineering Research (An International Journal)*, Vol.5, Issue 5 (2018).
42. Tsatiris, M. and Kitikidou, K. 2018. Sweet sorghum for bioethanol production: A Mamdani-type fuzzy inference system. *Journal of Scientific and Engineering Research (An International Journal)*, Vol.5, Issue 5 (2018).
43. Tsatiris, M. and Kitikidou, K. 2018. Paulownia for district heating: A fuzzy inference system. *Journal of Scientific and Engineering Research (An International Journal)*, Vol.5, Issue 5 (2018).
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45. Tsatiris, M. and Kitikidou, K. 2018. Rapeseed for biodiesel production: A Mamdani-type fuzzy inference system. *Journal of Scientific and Engineering Research (An International Journal)*, Vol.5, Issue 5 (2018).

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47. Tsatiris, M. and Kitikidou, K. 2018.Sunflower for biodiesel production: A Mamdani-type fuzzy inference system using the Fuzzy Logic Toolbox Graphical User Interface (GUI) Tools. *Journal of Scientific and Engineering Research (An International Journal)*, Vol.5, Issue 5 (2018).
48. Paschalidou, A., Tsatiris M., Kitikidou K. 2019. Perennial vs Annual Energy Crops-SWOT Analysis (Case Study: Greece). *International Refereed Journal of Engineering and Science (IRJES)*. Issue of January 2019. Journal Impact Factor: 2.31.
49. Chouliara, X., Tsatiris M., Kitikidou K. 2019. Renewable energy awareness among generations in Greece. *International Journal of Advanced Research in Science, Engineering and Technology*, Vol. 6, Issue 1, January 2019. Journal Impact Factor: 5.474.
50. Chouliara, X., Tsatiris M., Kitikidou K. 2019. Renewable energy education in Ionian Islands of Greece. *International Journal of Advanced Research in Science, Engineering and Technology*, Vol.6, Issue 1, January 2019. Journal Impact Factor: 5.474.
51. Giannarou, S., Tsatiris, M., Kitikidou, K. 2018. Energy Conservation in Buildings with Passive Heating and Cooling Strategies in Greece's Climatic Zones. *International Refereed Journal of Engineering and Science (IRJES)*, 7 (7): 29-45. Journal Impact Factor: 2.31.
52. Giannarou, S., Tsatiris M., Kitikidou K. 2019. The Role of Education in Designing Bioclimatic Buildings to minimize Energy Consumption. *International Journal of Advanced Research in Science, Engineering and Technology*, Vol.6, Issue 1, January 2019. Journal Impact Factor: 5.474.
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56. Tsatiris, M., Papastavrou, A. and G. Tsantopoulos. 2001. Correlation of fuelwood consumption to the family income and the population size. Proceedings of the International Conference “Forest Research: a Challenge for an Integrated European Approach”, Vol. II, 27 Aug. – 1 Sept. 2001, Thessaloniki, pp. 773 – 776.
57. Tsatiris, M., Liampas, S. and R. Giannopoulos. 2006. The utilization of Zeolite of the municipality of Trigono as a soil ameliorative for plant raw material cultivation for biofuel production. Proceedings Vol. 2 of the International Conference on “Sustainable Management and Development of Mountainous and Island Areas”, 29 September – 1 October 2006, Naxos, Greece, pp. 177-181.
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60. Chouliara, X. and Tsatiris, M. 2022. Renewable sources and energy saving in primary and secondary education: The relationship between pupils’ knowledge and their behavior in Ionian islands. Proceedings of NORDSCI Conference of Social Sciences, 17-19 October 2022, University of National and World Economy, Sofia, Bulgaria.
61. Mouzaidis, P., Tsatiris, M., Damalas, Ch., Tsantopoulos, G., Katsileros, A., Milis, Ch. 2022. Investigation of the attitudes of Greek consumers towards the biofuel’s consumption using social acceptance theory. *Biofuels (Q2)*, 14(8):1-10. Taylor & Francis Group. Journal Impact Factor: 2.693. Journal indexed in Scopus.

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63. Giannarou, S. and M. Tsatiris. 2024. The goal of sustainable development will become a reality if nations ensure that infrastructure engineers are taught sustainability. A survey conducted in Greece. *E3S Web of Conferences* 585, 04005 (2024). Indexed in Scopus.

Editorial Board Member in 13 International Journals

1) *International Journal of Sustainable Energy and Environmental Research*

Website: <http://www.conscientiabeam.com/journal/13/editorial-board.html>

2) *Annals of Nutritional Food & Current Research*

Website: <http://gslpublishers.org/journals/editorial-board.php?title=annals-of-nutritional-food-and-current-research>

3) *Journal of Energy and Natural Resources*

Website: <http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=167>

4) *Current Trends in Forest Research*

Website: https://gavinpublishers.com/journals/board_members/current-trends-in-forest-research.html

5) *EMS Environmental Sciences Journal*

Website:

<https://www.emspublishers.org/members?journal=EMS%20ENVIRONMENTAL%20SCIENCES>

6) *Research and Reviews: Journal of Agriculture and Allied Sciences*

Website: <http://www.rrojj.com/editorialboard-agriculture-and-allied-sciences.php>

7) *Food and Nutrition Open Access*

Website: <https://www.boffinaccess.com/journals/food-and-nutrition-open-access/editorial-board.php>

8) *Journal of Pesticides and Bio-Fertilizers*

Website: <http://auctoresonline.org/journals/pesticides-and-bio-fertilizers/editorial-board>

9) *Scholar Journal of Applied Sciences and Research*

Website: <http://innovationinfo.org/journal/editors>

10) *International Journal of Sustainable and Green Energy*

Website: <http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=169>

11) *Agrotechnology* (Journal Impact Factor 0.69)

Website: <https://www.longdom.org/agrotechnology/editorial-board.html>

12) *SCIREA Journal of Energy*

Website: <http://www.scirea.org/journal/EditorialBoard?JournalID=48000>

13) *Journal of Agriculture and Horticulture Research*

Website: <https://www.opastonline.com/editorial-board-jahr/>