

CURRICULUM VITAE

EVANGELOS BELLOS

December 2024

CONTENTS

CV SUMMARY	3
1. GENERAL DATA	4
2. EDUCATION	4
3. RESEARCH EXPERIENCE	6
3.1 Research Associate in CERTH, Greece	6
3.2 Postdoctoral Researcher in NTUA, Greece	7
3.3 Postdoctoral visiting researcher in the NCSR “DEMOKRITOS”, Greece	8
4. TEACHING EXPERIENCE	8
4.1 2020-2021 & 2021-2022 & 2022-2023: Adjunct Lecturer in the Department of Mechanical Engineering Educators, in the School of Pedagogical and Technological Education, Greece	8
4.2 2013-2021: Teaching Assistance, School of Mechanical Engineering, National Technical University of Athens, Greece	8
4.2.1 As Ph.D. candidate (2013-2016)	8
4.2.2 As a postdoctoral researcher (2017-2020)	9
4.2.3 Assistance in the supervision of diploma thesis	9
4.3 2024 - Today: Assistant Professor in the Department of Mechanical Engineering, University of West Attica, Greece	9
5. WORK EXPERIENCE	10
6. EXPERIENCE WITH EXPERIMENTAL INSTALLATIONS	10
7. COOPERATIONS WITH UNIVERSITIES AND LABORATORIES	11
8. DISTINCTIONS	11
8.1 Scholarships	11
8.2 Awards	12
9. BRIEF DESCRIPTION OF SCIENTIFIC PUBLICATIONS	13
10. SCIENTIFIC REPUTATION INDEXES	13
11. MEMBER OF SCIENTIFIC BOARDS	15
11.1 Editorial positions in Journals	15
11.2 Advisory Board Member in Conferences	16
11.3 Conference session chair	17
11.4 Keynote Speaker in Conferences	17
12. REVIEWER OF SCIENTIFIC WORKS	17
12.1 Reviewer in Scientific Journals	17
12.2 Reviewer in Scientific Conferences	17
12.3 Reviewer for Books/Book Chapters	17

12.4 Reviewer for Ph.D. Dissertations	18
13. INVITATIONS FOR PRESENTATIONS AND PUBLICATION	18
14. PARTICIPATION IN ORGANIZATIONS	18
15. APPENDIX I – PUBLICATION LIST	19
15.1 Publications in Scientific Journals (230 documents).....	19
15.2 Publication in Conference Proceedings (50 documents).....	43
15.3 Publications in Book Chapters / Books (8 documents)	49
16. APPENDIX II – LIST OF ATTENDANCE AT CONFERENCES	50

CV SUMMARY

Present Position

7/2024 – Today: Assistant Professor in the Department of Mechanical Engineering at the School of Engineering, University of West Attica, specializing in "Thermodynamics – Thermal Power Plants."

Research Experience

2022 – 2023: Postdoctoral Research Associate with CERTH/CPERI, participating in European HORIZON research projects (RINNO, REHOUSE, InCUBE, RE-WITCH).

2017 – 2024: Postdoctoral Researcher at the School of Mechanical Engineering, National Technical University of Athens (NTUA), Division of Thermal Engineering, in the Laboratory of Refrigeration, Air Conditioning, and Solar Energy, in collaboration with Prof. C. Tzivanidis. Funded by scholarships from the Bodossaki Foundation and the State Scholarships Foundation (IKY) and involved in the European HORIZON project TechUPGRADE.

2017 – 2018: Postdoctoral Visiting Researcher in the "Solar and other energy systems laboratory" of NCSR "DEMOKRITOS", Greece.

Teaching Experience

2024 – Today: Teaching as Assistant Professor at the University of West Attica.

2020 – 2023: Three years of independent teaching in the Department of Mechanical Engineering Educators at ASPETE (School of Pedagogical and Technological Education).

2014 – 2021: Teaching assistant in the School of Mechanical Engineering, National Technical University of Athens (NTUA) as a Ph.D. candidate (2014 – 2016) and as a Postdoctoral researcher (2017 – 2021).

Education

2012 – 2016: Ph.D. in Thermal Department, School of Mechanical Engineering National Technical University of Athens (NTUA), Greece. Funded by Bodossakis Foundation and State Scholarships Foundation (IKY).

2007 – 2012: Integrated Master (five years) in Mechanical Engineering National Technical University of Athens (NTUA), Greece. Grade: 9.61 / 10 (2nd from 202 students in 2012).

Participation in scientific journal editorial boards

2023 – Today: Associate Editor in the journal "Thermal Science and Engineering Progress" of Elsevier.

2020 – Today: Associate Editor in the journal "Sustainable Energy Technologies and Assessments" of Elsevier.

Published scientific work, impact metrics, and distinctions

- 230 Journal Publications.
- 50 publications in conference proceedings.
- 6 chapters in scientific books and 2 contributions to book translation editing.
- h-index = 64 (SCOPUS) and h-index = 74 (Google Scholar).
- Top 2% of the scientists with the most influential work for 2019, 2020, 2021, 2022 and 2023.
- Numerous awards and scholarships throughout the entire career.

Research Interests

Thermodynamics, Thermodynamic Cycles, Organic Rankine Cycle, Exergy Analysis, Thermal Behavior of Buildings, Refrigeration Cycles, Absorption Refrigeration Machines, Solar Energy, Thermal Solar Collectors, Concentrating Solar Collectors, Optical Analysis, Energy Storage Systems, Waste Heat Recovery, Polygeneration, Nanofluids.

1. GENERAL DATA

EVANGELOS BELLOS

Ph.D. and Integrated Master in Mechanical Engineering, NTUA

Personal Information

Surname: Bellos
Name: Evangelos
Father's name: Antonios
Nationality: Greek
Marital Status: Married
Military services: Completed
Date of Birth: 02/06/1989, Athens, Greece
e-mail: bellose@uniwa.gr
Scopus ID: 36612834400 (h-index = 64)
ORCID ID: orcid.org/0000-0002-5876-6549



Present Position

7/2024 – Today: Assistant Professor in the Department of Mechanical Engineering at the School of Engineering, University of West Attica, specializing in "Thermodynamics – Thermal Power Plants."

2. EDUCATION

December 2012 – December 2016

Ph.D. in Thermal Department, School of Mechanical Engineering
 National Technical University of Athens (NTUA), Greece
 Ph.D. thesis title: "Utilization and optimization of solar thermal systems in Buildings"
 Supervisor: Prof. Kimon A. Antonopoulos

November 2007 – August 2012

Integrated Master (five years) in Mechanical Engineering
 National Technical University of Athens (NTUA), Greece
 Grade: 9.61 / 10 (2nd from 202 students in 2012)
 Diploma thesis title: "Waste heat recovery from industrial processes for electricity production". Grade 10/10.

September 2004 – June 2007

1st High School of Peristeri, Athens, Greece **Grade:** 19.5/20

Seminars

January 2018 - May 2018:

Certificate of completion “Pilot course on solar field operator in concentrated solar power plants”, (300 hours), CRES-Centre for Renewable Energy Sources and Saving (Greece).

Languages

English – Level C2: Certificate of Proficiency in English, University of Michigan, 2011

French – Level B2: Diplôme d’études en Langue Française (DEL F 1^{er} Degré), 2005

Greek – Native Speaker

Software knowledge

- Excellent knowledge of **TRNSYS** for dynamic simulation of systems with solar thermal collectors, storage tanks, heat pumps, HVAC systems, PV and buildings.
- Excellent knowledge of **Engineering Equation Solver (EES)** for modeling and optimizing energy systems and components.
- Excellent knowledge of **Dymola & Modelica** language for dynamic simulations of energy systems and building’s thermal behavior.
- Excellent knowledge of the programming languages **FORTRAN** and **Matlab**.
- Excellent knowledge of **SolidWorks** for design and **SolidWorks Flow Simulation** for CFD simulations in heat transfer and flow phenomena.
- Excellent knowledge of **REFPROP** for determining fluid thermodynamic properties.
- Excellent knowledge of **TEE-KENAK** software for energy simulations in buildings (official software of Greece).
- Excellent knowledge of **SolTrace** for optical studies for solar collectors.
- Excellent knowledge of **Microsoft Office** (Word, Excel, Power Point, Visio).

Research Interests

Energy Systems and Thermodynamics

- Multi-criteria analysis and Multi-objective optimization of energy systems with energy, exergy and financial criteria.
- Dynamic investigation of solar thermal systems with various applications for power production, refrigeration, or polygeneration.
- Life cycle cost analysis, environmental analysis and exergy analysis of energy applications.
- Waste heat recovery from industrial heat for electricity production.
- Investigation of CO₂ refrigeration systems with an emphasis on supermarket systems.
- Investigation of environmentally friendly working fluids for refrigeration and power cycles.
- Investigation of Organic Rankine Cycles with an emphasis on solar ORC.
- Investigation of absorption heat pumps, mainly with LiBr-H₂O working pair.
- Investigation of solar-assisted heat pumps for the building sector.

Solar thermal collectors

- Thermal, optical and exergy investigation of solar collectors with an emphasis on the concentrating collectors (PTC, LFR, Solar Dishes).
- Thermal enhancement techniques for solar thermal collectors (nanofluids and flow augmentation techniques).
- CFD analysis of energy systems with an emphasis on internal flow for applications such as solar thermal collectors.
- Investigation of storage systems with sensible and latent techniques.

Building thermal behavior

- Incorporation of renewable energy sources (solar, geothermal, biomass) in the building sector and in the industrial sector.
- Investigation of building heating and cooling loads.
- Incorporation of phase change materials (PCM) in the building envelope.
- Energy analysis of buildings and investigation of building thermal behavior.

3. RESEARCH EXPERIENCE

3.1 Research Associate in CERTH, Greece

January 2022 – Today: Research Associate (up to June 2024) and external cooperative Professor (from June 2024 up to Today) in Chemical Process & Energy Resources Institute (CPERI), Center of Research & Technology Hellas (CERTH)

Work in the EU HORIZON2020 projects:

“**RINNO**” (An augmented intelligence-enabled stimulating framework for deep energy renovation delivering occupant-centered innovations), (<https://rinno-h2020.eu/>). Simulation of energy systems coupled to buildings and development of code for new components. Evaluation of baseline and renovation scenarios in the buildings.

“**InCUBE**” (An INCIUsive toolBox for accElerating and smartening deep renovation), (<https://incubeproject.eu/>). Simulation of energy systems coupled to buildings and development of code for new components. Evaluation of baseline and renovation scenarios in the buildings. Also, the development of data-driven models and optimization codes.

“**REHOUSE**” (Renovation packagEs for HOlistic improvement of EU’s bUildingS Efficiency, maximizing RES generation and cost-effectiveness), HORIZON 2020 (<https://rehouse-project.eu/>). Simulation of energy systems coupled to buildings and development of code for new components. Evaluation of baseline and renovation scenarios in the buildings.

“**RE-WITCH**” (Renewable and Waste heat valorisation in Industries via Technologies for Cooling production and energy Harvesting) HORIZON 2020 (<https://ieecp.org/projects/re-witch/>). Simulation of advanced absorption chiller models driven by waste heat and solar thermal energy.

3.2 Postdoctoral Researcher in NTUA, Greece

January 2017 – June 2024: Postdoctoral Researcher in the Laboratory of Refrigeration, Air-Conditioning and Solar Energy of Thermal Department, School of Mechanical Engineering, National Technical University of Athens

During my research in this laboratory, I have been funded by two scholarships and I have worked on two research projects.

1st Research Project

Time duration: 1/9/2017 to 31/8/2019

Funding Source: Bodossaki Foundation

Title of Postdoctoral Research: “Solar energy utilization in various applications for cogeneration and trigeneration with an emphasis on the building sector”

Supervisor: Prof. Christos Tzivanidis

2nd Research Project

Time duration: 16/11/2019 to 15/11/2021

Funding Source: State Scholarships Foundation (IKY), Co-financed by Greece and the European Union (European Social Fund – ESF) through the Operational Programme «Human Resources Development, Education and Lifelong Learning» in the context of the project “Reinforcement of Postdoctoral Researchers – 2nd Cycle” (MIS-5033021), implemented by the State Scholarships Foundation (IKY).

Title of Postdoctoral Research: “Energy, Exergy and Financial investigation of advanced systems for heating, cooling and electricity by exploiting solar energy”

Supervisor: Prof. Christos Tzivanidis

3rd Research Project

Time duration: 3/2023 to 11/2023

Funding Source: ELKE NTUA – ESPA

Title of Postdoctoral Research: “Integrated Blockchain Platform and 'Smart' Mobile App in the Fight Against Food Waste to Benefit Food Insecure Citizens” (MIS 5150906).

Supervisor: Prof. Stavros Ponis

4th Research Project

Time duration: 11/2023 to 5/2024

Funding Source: HORIZON 2020, European Union,

<https://cordis.europa.eu/project/id/101103966>, <https://techupgrade.eu/>

Title of Postdoctoral Research: “Thermochemical Heat Recovery and Upgrade for Industrial Processes (TechUPGRADE)”.

Supervisor: Prof. Christos Tzivanidis

Research topics: Solar energy, Solar thermal collectors, Solar concentrating collectors, Refrigeration systems, Nanofluids, Power Systems, Polygeneration, Optimization of energy systems, Heat pumps

3.3 Postdoctoral visiting researcher in the NCSR “DEMOKRITOS”, Greece September 2017 – February 2018: Postdoctoral visiting researcher in the “Solar and other energy systems laboratory” of NCSR “DEMOKRITOS”

During my research in this Institute, I performed experimental research about solar concentrating collectors coupled to thermal storage tanks. More specifically, my research was devoted to a Linear Fresnel Reflector and to a Parabolic Trough Collector.

4. TEACHING EXPERIENCE

4.1 2020-2021 & 2021-2022 & 2022-2023: Adjunct Lecturer in the Department of Mechanical Engineering Educators, in the School of Pedagogical and Technological Education, Greece

Courses: Energy Audits and Inspections, Refrigeration II (Theory and Laboratory)

Energy Audits and Inspections: Policy about the Energy in Buildings, Basic Energy Calculations, Primary Energy, Life cycle cost analysis, Cooling loads calculations (CLTD/CLF), Energy systems in Buildings

Air-Conditioning II (Theory and Laboratory): Refrigeration cycles, Psychometric, Natural working fluids, Air ducts, Water tubes, Fan coils, Advanced HVAC systems, Absorption Chillers

Supervision of 11 theses and examiner in the other 10 theses.

The codes of the respective jobs are: **MIS: 5063731, MIS: 5130670, MIS: 5183875.**

4.2 2013-2021: Teaching Assistance, School of Mechanical Engineering, National Technical University of Athens, Greece

Courses: Basic Refrigeration Principles, Building Thermal Behavior, Solar Energy, Solar Energy – Geothermal Energy

4.2.1 As Ph.D. candidate (2013-2016)

Basic Refrigeration Principles (Undergraduate), for the academic years 2012-2013, 2013-2014, 2014-2015, 2015-2016: Absorption chillers, Adsorption chillers and desiccant wheels.

Building Thermal Behavior (Undergraduate), for the academic years 2013-2014, 2014-2015, 2015-2016, 2016-2017: Heat transfer problems in the building envelope, energy balance equations, one-dimension finite element methods, TRSNYS software, SolidWorks Flow Simulation software

Solar Energy (Undergraduate), for the academic years 2013-2014, 2014-2015, 2015-2016, 2016-2017: Solar concentrating collectors, Parabolic trough collectors, SolidWorks Flow Simulation software

Solar Energy – Geothermal Energy (Postgraduate), for the academic years 2013-2014, 2014-2015, 2015-2016: Solar flat plate collectors, f-chart method.

Moreover, I participated in the laboratory exercises of courses “Solar Energy” and “Air Conditioning”.

4.2.2 As a postdoctoral researcher (2017-2020)

Basic Refrigeration Principles (Undergraduate), for the academic years 2016-2017, 2017-2018, 2018-2019, 2019-2020: Absorption chillers, Mechanical compression systems, CO₂ refrigeration.

Building Thermal Behavior (Undergraduate), for the academic years 2017-2018, 2018-2019, 2019-2020: Heat transfer problems in the building envelope, energy balance equations, one-dimension finite element methods, TRSNYS software, SolidWorks Flow Simulation software

Solar Energy (Undergraduate), for the academic years 2017-2018, 2018-2019: Solar concentrating collectors, Parabolic trough collectors, SolidWorks Flow Simulation software

Solar Energy – Geothermal Energy (Postgraduate), for the academic years 2016-2017, 2017-2018, 2018-2019, 2019-2020: Solar flat plate collectors, f-chart method.

4.2.3 Assistance in the supervision of diploma thesis

During my research activity (2014-2022), I assisted Prof. C. Tzivanidis in the supervision of 46 diploma theses in the energy domain. Moreover, I have assisted Prof. C. Tzivanidis in the supervision of 5 Ph.D. candidates.

4.3 2024 - Today: Assistant Professor in the Department of Mechanical Engineering, University of West Attica, Greece

Courses: Thermodynamics I, Thermodynamics II, Thermal Power Stations, Thermal Turbomachines

Thermodynamics I: Thermodynamic laws, Thermodynamic cycles, Ideal gas, water/steam properties

Thermodynamics II: Exergy, Ideal Mixtures, Non-Idean Mixtures

Thermal Power Stations: Water/steam Rankine cycle, Combined Cycle, ORC, Energy situation

Thermal Turbomachines: Gas turbines, Combined cycle, Compressors, Turbines, Compressed flow

Supervision of diploma theses.

5. WORK EXPERIENCE

May 2012 – July 2012:

Internship in PPC Renewables, Solar Energy Department

September 2012 – September 2020:

Cooperation as Engineering and Researcher with the Energy & Environmental Research Lab, University of Athens. The cooperation regards consulting about research projects and preparation of research proposals. More specifically, the cooperation regards 9 projects about the exploitation of solar energy, geothermal energy and energy savings in the building sector.

January 2017 – January 2020:

Consulting cooperation with the “N&K Goliopoulos ATE” about energy and mechanical engineering projects. Totally, the cooperation regards 3 projects.

January 2018 – December 2019:

Cooperation with the technical office of I. Kauka about energy studies in buildings, solar thermal collectors and photovoltaics. Totally, the cooperation regards 3 projects.

6. EXPERIENCE WITH EXPERIMENTAL INSTALLATIONS

During my research, I have worked in various experimental installations as below:

- **Solar Flat plate collectors coupled to storage tank**

School of Mechanical Engineering, National Technical University of Athens, Greece
Thermal efficiency measurement, useful heat production measurement, daily performance analysis, temperature measurements, and flow rate measurement.

- **Linear Fresnel Reflector coupled to storage tank**

Solar and other energy systems laboratory of NCSR “DEMOKRITOS”
Thermal efficiency measurement, optical efficiency measurement (IAM), useful heat production measurement, daily performance analysis, temperature measurements, and flow rate measurement.

- **Parabolic trough solar collector coupled to storage tank**

Solar and other energy systems laboratory of NCSR “DEMOKRITOS”
Thermal efficiency measurement, optical efficiency measurement (IAM), useful heat production measurement, temperature measurements, and flow rate measurement.

- **Thermal conductivity measurements of building structural materials**

School of Mechanical Engineering, National Technical University of Athens, Greece

7. COOPERATIONS WITH UNIVERSITIES AND LABORATORIES

A) Laboratory of Refrigeration, Air-Conditioning and Solar Energy of Thermal Department, School of Mechanical Engineering, National Technical University of Athens: Research from 2012 to 2016 as a Ph.D. candidate and from 2017 up to 2024 as a Postdoctoral Researcher.

B) Research associate in chemical Process & Energy Resources Institute (CPERI), Center of Research & Technology Hellas (CERTH): Research Associate in EU Projects implementation (2022 – Today).

C) Solar and other energy systems laboratory of NCSR “DEMOKRITOS”: Researcher as Ph.D. Candidate (Academic year: 2015-2016) and Postdoctoral visiting researcher (Academic year: 2017-2018).

D) Laboratory of Heating-Cooling-Air Conditioning & Renewables, Department of Mechanical Engineering Educators, in School of Pedagogical and Technological Education, Greece: Adjunct Lecturer and Laboratory Exercises (Academic years: 2020-2021, 2021-2022 & 2021-2022).

E) Energy & Environmental Research Lab, University of Athens, Greece: Research Associate for Projects from 2012 to Today.

F) Department of Sustainable and Renewable Energy Engineering, University of Sharjah, United Arab Emirates: Cooperation on cooperative research regarding solar thermal collectors with nanofluids from 2018 to Today.

G) Department of Energetics and Process Technique, Faculty of Mechanical Engineering, University in Nis, Serbia: Cooperation on cooperative research regarding solar dish concentrators and applications from 2016 to Today.

H) Laboratory “Intelligent Energy Systems and Flexible Markets”, The Faculty of Engineering and Science, Aalborg Universitet, Denmark: Cooperation regarding EU projects and preparing proposals for EU projects (2022 – Today).

8. DISTINCTIONS

8.1 Scholarships

2019-2021: Scholarship for postdoctoral research, State Scholarships Foundation (IKY), Greece.

2017-2019: Scholarship for post-doctoral research from Bodossaki foundation, Greece.

2014-2016: Scholarship for Ph.D. studies from Onassis foundation, Greece.

2013-2014: Scholarship for Ph.D. studies from Eugenides Foundation, Greece.

8.2 Awards

- 2019: Top 1% of reviewers in Cross-Field on Publons global reviewer database.
- 2019: Top 1% of reviewers in Engineering on Publons global reviewer database.
- 2019: Top five in “Fourth USERN Congress and Prize Awarding Festival”.
- 2018: Top 1% of reviewers in Engineering on Publons global reviewer database.
- 2018: Best Reviewer Award, Applied Energy, Elsevier.
- 2017: Award from the Technical Chamber of Greece for undergraduate studies.
- 2017: Dimitrios Chorafas Prize for the best Ph.D. in year 2016 at NTUA, Greece.
- 2017: Thomaidio Award for Journal Publication (NTUA):
“Parametric analysis and optimization of a solar driven trigeneration system based on ORC and absorption heat pump”
- 2016: Thomaidio Award for Journal Publication (NTUA):
“Exergetic, energetic and financial evaluation of a solar driven absorption cooling system with various collector types”.
- 2015: Thomaidio Award for Journal Publication (NTUA):
“Thermal and optical efficiency investigation of a parabolic trough collector”.
- 2011-2012: Thomaidio Award 2nd place among all the students, NTUA.
- 2010-2011: Thomaidio Award 3rd place among all the students, NTUA.
- 2009-2010: Thomaidio Award 1st place among all the students, NTUA.
- 2008-2009: Mathematic award Ch. Papakyriakopoylos, NTUA.
- 2007-2008: Mathematic award Ch. Papakyriakopoylos, NTUA.
- 2007-2008: Mathematic award, I. Kritikos, NTUA
- 2006-2007: Eurobank EFG Award And Scholarship (1st place in High School).

9. BRIEF DESCRIPTION OF SCIENTIFIC PUBLICATIONS

More than 250 publications in Scientific Journals, Conference Proceedings and in Books. Below, the publications are briefly described.

- **230 publications** in Scientific Journals; 119 of them as the first author.
- **48 publications** in Conference Proceedings; 19 of them as the first author.
- **6 publications in book chapters**; in the 3 of them as the first author.
- **2 participations in book translation.**

The analytical publication list is given in **Appendix I**, while **Appendix II** gives the list of the Conferences where I have presented my work myself.

10. SCIENTIFIC REPUTATION INDEXES

The Scopus base (www.scopus.com), the basis includes 236 documents with 11979 citations and an h-index of 64.

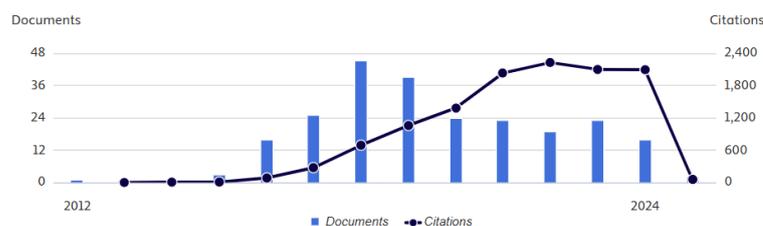
Bellos, Evangelos A.

[University of West Attica, Athens, Greece](#)
[57203254936](#)
<https://orcid.org/0000-0002-5876-6549>
[View more](#)

12,021 Citations by 6,685 documents |
 237 Documents |
 64 h-index [View h-graph](#) |
 [View more metrics >](#)

[Set alert](#)
[Save to list](#)
[Edit profile](#)
[More](#)

Document & citation trends



Most contributed Topics 2019–2023

Exergy; Rankine; Hydrogen Production
 21 documents
Solar Collector; Parabolic Trough Collector; Nanofluidics
 16 documents
Organic Rankine Cycle; Waste Heat; Working Fluid
 12 documents

Figure 1. Documents and Citations per year [Scopus]

According to Google Scholar (<https://scholar.google.gr/>), the basis includes 257 documents with 15153 citations, an h-index at 74 and an i10-index at 181.

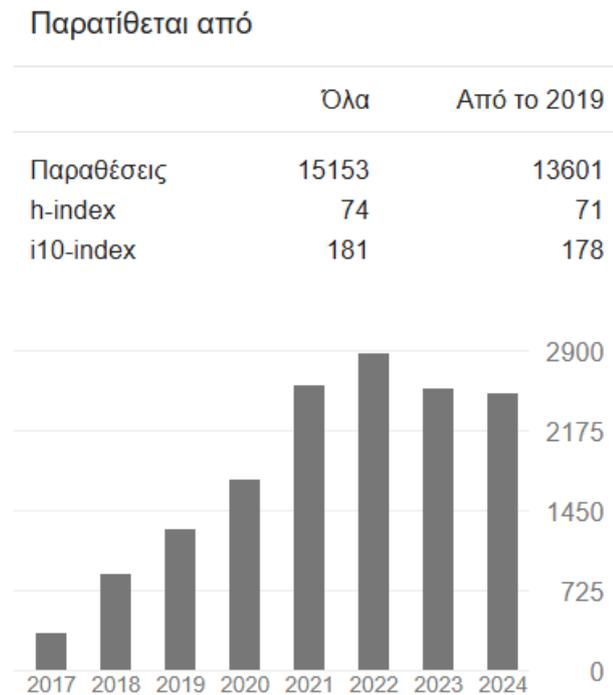


Figure 2. Citations per year [Google Scholar]

- Top 2% of the scientists with the most influential work for 2019. Position 130 in the subsection “Energy”.
(<https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000918>)
- Top 2% of the scientists with the most influential work for 2020. Position 72 in the subsection “Energy”.
(<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/2>)
- Top 2% of the scientists with the most influential work for 2021. Position 59 in the subsection “Energy”.
(<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4>)
- Top 2% of the scientists with the most influential work for 2022. Position 82 in the subsection “Energy”.
(<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6>)
- Top 2% of the scientists with the most influential work for 2023. Position 94 in the subsection “Energy”.
(<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/7>)
- Classification of Top Engineering and Technology Scientists in Greece according to Research.com (position 14 in Greece).
(<https://research.com/scientists-rankings/engineering-and-technology/gr>)

11. MEMBER OF SCIENTIFIC BOARDS

11.1 Editorial positions in Journals

- **Associate Editor** in the Journal “Sustainable Energy Technologies and Assessments” of Elsevier from July 2020 up to today. During my editorial work, I handled over 500 submissions. Journal Impact factor: 7.1 (2023).

<https://www.journals.elsevier.com/sustainable-energy-technologies-and-assessments/editorial-board/evangelos-bellos-phd>

- **Associate Editor** in the Journal “Thermal Science and Engineering Progress” of Elsevier from June 2023 up to today. During my editorial work, I handled over 200 submissions. Journal Impact factor: 5.1 (2023).

<https://www.sciencedirect.com/journal/thermal-science-and-engineering-progress/about/editorial-board>

- **Advisory board member** in the Journal “Thermal Science and Engineering Progress” of Elsevier from November 2021 up to June 2023.

Journal Impact factor: 5.1 (2023).

<https://www.sciencedirect.com/journal/thermal-science-and-engineering-progress/about/editorial-board>

- **Managing Editor** in the Special Issue “Renewable Energy Sources in trigeneration and polygeneration systems” of the Journal “Sustainable Energy Technologies and Assessments” of Elsevier. During my editorial work, I have handled over 40 submissions. Journal Impact factor: 7.1 (2023).

<https://www.sciencedirect.com/journal/sustainable-energy-technologies-and-assessments/special-issue/I0DC0RCD1H2>

- **Guest Editor** in the Special Issue “Solar Energy Systems: Harvesting, Energy storage and Applications” of the Journal “Sustainable Energy Technologies and Assessments” of Elsevier. Journal Impact factor: 7.1 (2023).

<https://www.sciencedirect.com/journal/sustainable-energy-technologies-and-assessments/special-issue/I03DS9WBZCL>

- **Advisory board member** in the Journal “Solar Energy Advances” of Elsevier from January 2023 up to today.

<https://www.sciencedirect.com/journal/solar-energy-advances/about/editorial-board>

- **Assistant Editor** in Journal “International Journal of Energy and Environmental Engineering” of Springer from January 2020 up to today. The scientific field that I cover is described below: “Solar energy, Concentrating solar collectors, Thermal enhancement techniques in solar Systems; Organic Rankine cycle, Trigeneration, Polygeneration; Absorption chillers, Refrigeration, CO₂ refrigeration Systems; Building thermal behavior, Heat pumps, Heating/cooling Systems”.

Journal Impact factor: 1.9 (2023).

<https://www.springer.com/journal/40095/editors>

- **Advisory board member** in the Special Issue “The challenge-led special issue series: Enhancement of heat transfer processes and energy applications with nanofluids, turbulators, and novel working fluids” of the Journal “Applied Thermal Engineering” of “Elsevier”.
Journal Impact factor 6.1 (2023).
<https://www.journals.elsevier.com/applied-thermal-engineering/call-for-papers/special-issue-on-the-challenge-led-special-issue-series-enhancement-of-heat-transfer-processes-and-energy-applications-with-nanofluids-turbulators-and-novel-working-fluids>
- **Guest Editor** in the Special Issue "Advances in Solar Thermal Energy Harvesting, Storage and Conversion" of the Journal “Energies” of “MDPI”.
Journal Impact factor: 3.0 (2023).
https://www.mdpi.com/journal/energies/special_issues/L7428MG65A
- **Guest Editor** in the Special Issue "Advances in Nanofluids and Turbulators for Heat Transfer Enhancement" of the Journal “Energies” of “MDPI”.
Journal Impact factor: 3.0 (2023).
https://www.mdpi.com/journal/energies/special_issues/advances_nanofluids_turbulators_heat_transfer_enhancement
- **Advisory board member** in the Journal “Applied System Innovation” of MDPI from December 2017 up to today. The scientific field that I cover is described below: “solar energy, solar concentrating power, nanofluids, thermal enhancement techniques, ORC, heat pumps, polygeneration, energy in buildings”.
Journal Impact factor: 3.8 (2023).
<https://www.mdpi.com/journal/asi/editors>
- **Guest Editor** in the Special Issue “Solar Energy Systems and Applications” of the Journal “Applied System Innovation” of MDPI.
Journal Impact factor: 3.8 (2023).
https://www.mdpi.com/journal/asi/special_issues/solar_energy_systems
- **Guest Editor** in the Special Issue “Applied System Innovation: 5th Anniversary” of the Journal “Applied System Innovation” of MDPI.
Journal Impact factor: 3.8 (2023).
https://www.mdpi.com/journal/asi/special_issues/4H449935S1
- **Advisory board member** in the Journal “Sci” of MDPI from December 2017 up to today.
<https://www.mdpi.com/journal/sci/editors>

11.2 Advisory Board Member in Conferences

- January 2019 – October 2019: 14th SDEWES.
- May 2019 – February 2020: 2nd LA SDEWES.
- June 2019 – April 2020: 1st AP SDEWES.
- July 2019 – July 2020: 4th SEE SDEWES.
- October 2019 – September 2020: 15th SDEWES.
- September 2020 – October 2021: 16th SDEWES.

- September 2021 – May 2022: 5th SEE SDEWES.
- December 2021 – July 2022: 3rd LA SDEWES.
- January 2022 – November 2022: 17th SDEWES.
- November 2022 – September 2023: 18th SDEWES.
- February 2023 – January 2024: 4th LA SDEWES.
- March 2023 – April 2024: 2nd AP SDEWES.
- June 2023 – June 2024: 1st NA SDEWES.
- August 2023 – September 2024: 19th SDEWES.
- September 2023 – May 2024: ICEME 2024
- November 2024 – May 2025: 1st AF.SDEWES2025

11.3 Conference session chair

- 4-6 October 2021, Zaragoza, Spain, “6th International Conference on Polygeneration”

11.4 Keynote Speaker in Conferences

- 30-31 October 2023, Selangor, Malaysia, “1st International Conference on Advanced Materials & Sustainable Energy Technologies 2023”

(<https://sunwayuniversity.edu.my/amset2023>)

12. REVIEWER OF SCIENTIFIC WORKS

12.1 Reviewer in Scientific Journals

Reviewer in at least 100 Journals with approximately 2500 reviews. Indicatively, I am a reviewer in Journal like the following: Applied Energy, Energy Conversion and Management, Energy, Solar Energy, Renewable Energy, Applied Thermal Engineering, Thermal Science and Engineering Progress, Sustainable Energy Technologies and Assessments, International Journal of Refrigeration, Energies, Applied Sciences, etc.

12.2 Reviewer in Scientific Conferences

1 review in the following conferences: EEEP 2018, IEEE ICIT 2018, ICAE 2018, SEE.SDEWES 2022

2 reviews in the following conferences: ICEREGA’18, SDEWES 2019, L.A.SDEWES 2020, ECOS 2024

3 reviews in the following conferences: SDEWES 2022

5 reviews in the following conferences: EUROSUN 2024

Total: 20 reviews for scientific conferences.

12.3 Reviewer for Books/Book Chapters

1 review for a book chapter in a book of CRC Press publishing house

18 reviews for book proposals of Elsevier publishing house

Total: 19 reviews for books/book chapters

12.4 Reviewer for Ph.D. Dissertations

May 2019: External Reviewer in the Dissertation thesis of Luis González-Portillo, supervision of Prof. Javier Muñoz Antón, Universidad Politécnica de Madrid. Title: “A new concept in thermal engineering optimization: the pericritical cycle with multi-heating and its application to concentrating solar power”.

Total: 1 review for Ph.D. dissertations

13. INVITATIONS FOR PRESENTATIONS AND PUBLICATION

- 24/9/2016: Invited Speaker for a presentation about “Solidworks Flow Simulation” at ELECTRA PALACE ATHENS for an organized conference by ALFASOLID. The presentation was devoted to heat transfer problems, flow problems and solar collectors.
- 19/3/2022: Invited speaker in a panel (workshop) under the title “The Perspectives of Environmental Market Research” organized by envinow.gr in Verde.Tech 2022
(<https://www.envinow.gr/post/ekdilosi-envinow-gr-gia-tin-symvoli-tis-erevnas-stin-prostasia-tou-perivallontos>)
- 19/5/2022: Publication of an article in the site envi.now under the title “Concentrating solar thermal collectors: An alternative answer in the energy problem”
(<https://www.envinow.gr/post/iliakoi-thermikoi-sygkentrotikoi-syllektes-mia-enallaktiki-apantisi-sto-energeiako-adiexodo>)
- Participation in a video of ALFASOLID about the usability of the software SolidWorks Flow Simulation in solar thermal applications.
(<https://www.youtube.com/watch?v=QHadezVTcfY&feature=youtu.be>)
- 2 Invited publications in the platform Science Trends:
<https://sciencetrends.com/multi-objective-optimization-of-a-solar-driven-trigeneration-system/>
<https://sciencetrends.com/enhancing-the-performance-of-parabolic-trough-collectors-using-nanofluids-and-turbulators/>
- Invitations for republication of studies in Greek Journals as below:
<https://www.technicalreview.gr/index.php/dummy-category-4/item/661-2018-07-18-16-06-30>
<https://www.technicalreview.gr/index.php/dummy-category-4/item/830-2020-01-19-18-18-47>
<https://www.thermoydravlikos.gr/paravolikos-epimikis-iliakos-thermikos-syllektis/>

14. PARTICIPATION IN ORGANIZATIONS

- Member of ASHRAE – ID: 8286349
- Member of ISES (International Solar Energy Society)
- Member of Greek Technical Chamber (T.E.E.) from 2013
- Member of the Association of the Onassis Foundation Scholars

15. APPENDIX I – PUBLICATION LIST

15.1 Publications in Scientific Journals (230 documents)

- J1) S. Karellas, A.D. Leontaritis, G. Panousis, **E. Bellos**, E. Kakaras, Energetic and exergetic analysis of waste heat recovery systems in the cement industry, *Energy* 2013;58:147-156
<https://doi.org/10.1016/j.energy.2013.03.097>
- J2) C. Tzivanidis, **E. Bellos**, D. Korres, K.A. Antonopoulos, G. Mitsopoulos, Thermal and optical efficiency investigation of a parabolic trough collector, *Case Studies in Thermal Engineering* 2015;6:226-237
<https://doi.org/10.1016/j.csite.2015.10.005>
- J3) C. Tzivanidis, **E. Bellos**, G. Mitsopoulos, I. Alexopoulos, K.A. Antonopoulos, The Impact of Insulation Layer in Various Solar Heating Systems: An Energetic and Financial Evaluation, *International Journal of Mechanical Systems Engineering* 2015;1(2):110
<http://dx.doi.org/10.15344/2455-7412/2015/110>
- J4) E.D. Kravvaritis, K.A. Antonopoulos, C. Tzivanidis, **E. Bellos**, Solar Energy Management Using Phase Change Materials Passive Systems in the Athens Area Buildings, *International Journal of Mechanical Systems Engineering* 2015;1(1):102
<http://dx.doi.org/10.15344/2455-7412/2015/102>
- J5) **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, Design and Simulation of a New Solar Paraboloid Dish Collector, *Journal of solar energy research updates* 2015;2:40-46
<http://www.avantipublishers.com/downloads/jseruv2n2a4/>
- J6) **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, G. Gkinis, Thermal enhancement of solar parabolic trough collectors by using nanofluids and converging-diverging absorber tube, *Renewable Energy* 2016;94:213-222
<https://doi.org/10.1016/j.renene.2016.03.062>
- J7) **E. Bellos**, D. Korres, C. Tzivanidis, K.A. Antonopoulos, Design, simulation and optimization of a compound parabolic collector, *Sustainable Energy Technologies and Assessments* 2016;16:53-63
<https://doi.org/10.1016/j.seta.2016.04.005>
- J8) C. Tzivanidis, **E. Bellos**, The use of parabolic trough collectors for solar cooling – A case study for Athens climate, *Case Studies in Thermal Engineering* 2016;8:403-413
<https://doi.org/10.1016/j.csite.2016.10.003>
- J9) S.R. Pavlovic, **E. Bellos**, V.P. Stefanovic, C. Tzivanidis, Z.M. Stamenkovic, Design, simulation, and optimization of a solar dish collector spiral-coil thermal absorber, *Thermal science* 2016;20(4):1387-1397
<https://doi.org/10.2298/TSCI160213104P>

- J10) S.R. Pavlovic, D.M. Vasiljevic, V.P. Stefanovic, Z.M. Stamenkovic, **E. Bellos**, Optical analysis and performance evaluation of a solar parabolic dish concentrator, *Thermal Science* 2016;20(S5):1237-1249
(<https://doi.org/10.2298/TSCI16S5237P>)
- J11) **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, Exergetic, energetic and financial evaluation of a solar driven absorption cooling system with various collector types, *Applied Thermal Engineering* 2016;102:749-759
(<https://doi.org/10.1016/j.applthermaleng.2016.04.032>)
- J12) C. Tzivanidis, **E. Bellos**, G. Mitsopoulos, K.A. Antonopoulos, A. Delis, Energetic and financial evaluation of a solar assisted heat pump heating system with other usual heating systems in Athens, *Applied Thermal Engineering* 2016;106:87-97
(<https://doi.org/10.1016/j.applthermaleng.2016.06.004>)
- J13) **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, I. Daniil, The use of gas working fluids in parabolic trough collectors – An energetic and exergetic analysis, *Applied Thermal Engineering* 2016;109(A):1-14
(<https://doi.org/10.1016/j.applthermaleng.2016.08.043>)
- J14) **E. Bellos**, C. Tzivanidis, K. Moschos, K.A. Antonopoulos, Energetic and financial evaluation of solar assisted heat pump space heating systems, *Energy Conversion and Management* 2016;120:306-319
(<https://doi.org/10.1016/j.enconman.2016.05.004>)
- J15) **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, Exergetic and energetic comparison of LiCl-H₂O and LiBr-H₂O working pairs in a solar absorption cooling system, *Energy Conversion and Management* 2016;123:453-461
(<https://doi.org/10.1016/j.enconman.2016.06.068>)
- J16) C. Tzivanidis, **E. Bellos**, K.A. Antonopoulos, Energetic and financial investigation of a stand-alone solar-thermal Organic Rankine Cycle Power plant, *Energy conversion and management* 2016;126C:421-433
(<https://doi.org/10.1016/j.enconman.2016.08.033>)
- J17) **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, Parametric investigation and optimization of an innovative trigeneration system, *Energy Conversion and Management* 2016;127:515-525
(<https://doi.org/10.1016/j.enconman.2016.09.044>)
- J18) **E. Bellos**, C. Tzivanidis, I. Daniil, Energetic and exergetic investigation of a parabolic trough collector with internal fins operating with carbon dioxide, *International Journal of Energy and Environmental Engineering* 2017;8(2):109-122
(<https://doi.org/10.1007/s40095-017-0229-5>)

- J19) **E. Bellos**, C. Tzivanidis, E. Zisopoulou, G. Mitsopoulos, K.A. Antonopoulos, An innovative Trombe wall as a passive heating system for a building in Athens—A comparison with the conventional Trombe wall and the insulated wall, *Energy and Buildings* 2016;133:754-769
(<https://doi.org/10.1016/j.enbuild.2016.10.035>)
- J20) S. Pavlovic, A.M. Daabo, **E. Bellos**, V. Stefanovic, S. Mahmoud, R.K. Al-Dadah, Experimental and numerical investigation on the optical and thermal performance of solar parabolic dish and corrugated spiral cavity receiver, *Journal of Cleaner Production* 2017;150:75-92
(<https://doi.org/10.1016/j.jclepro.2017.02.201>)
- J21) **E. Bellos**, E. Mathioulakis, C. Tzivanidis, V. Belessiotis, K.A. Antonopoulos, Experimental and numerical investigation of a linear Fresnel solar collector with flat plate receiver, *Energy Conversion and Management* 2016;130:44-59
(<https://doi.org/10.1016/j.enconman.2016.10.041>)
- J22) **E. Bellos**, C. Tzivanidis, I. Daniil, K.A. Antonopoulos, The impact of internal longitudinal fins in parabolic trough collectors operating with gases, *Energy Conversion and Management* 2017;135:35–54
(<https://doi.org/10.1016/j.enconman.2016.12.057>)
- J23) **E. Bellos**, C. Tzivanidis, C. Symeou, K.A. Antonopoulos, Energetic, exergetic and financial evaluation of a solar driven absorption chiller – A dynamic approach, *Energy Conversion and Management* 2017;137:34-48
(<https://doi.org/10.1016/j.enconman.2017.01.041>)
- J24) **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, A detailed working fluid investigation for solar parabolic trough collectors, *Applied Thermal Engineering* 2017;114:374-386
(<https://doi.org/10.1016/j.applthermaleng.2016.11.201>)
- J25) S. Pavlovic, **E. Bellos**, W.G. Le Roux, V. Stefanovic, C. Tzivanidis, Experimental investigation and parametric analysis of a solar thermal dish collector with spiral absorber, *Applied Thermal Engineering* 2017;121:126-135
(<https://doi.org/10.1016/j.applthermaleng.2017.04.068>)
- J26) **E. Bellos**, C. Tzivanidis, Parametric investigation of nanofluids utilization in parabolic trough collectors, *Thermal Science and Engineering Progress* 2017;2:71-79
(<https://doi.org/10.1016/j.tsep.2017.05.001>)
- J27) **E. Bellos**, C. Tzivanidis, Assessment of the thermal enhancement methods in parabolic trough collectors, *International Journal of Energy and Environmental Engineering* 2017;9(1):59-70

<https://doi.org/10.1007/s40095-017-0255-3>)

J28) **E. Bellos**, C. Tzivanidis, I. Daniil, Thermal and exergetic evaluation of parabolic trough collectors with finned absorbers operating with air, Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy 2017;231(7):631-644

<https://doi.org/10.1177/0957650917712403>)

J29) **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, Parametric analysis and optimization of a solar assisted gas turbine, Energy Conversion and Management 2017;139:151-165

<https://doi.org/10.1016/j.enconman.2017.02.042>)

J30) **E. Bellos**, M.Gr. Vrachopoulos, C. Tzivanidis, Energetic and exergetic investigation of a novel solar assisted mechanical compression refrigeration system, Energy Conversion and Management 2017;147:1-18

<https://doi.org/10.1016/j.enconman.2017.05.040>)

J31) **E. Bellos**, C. Tzivanidis, G. Tsifis, Energetic, Exergetic, Economic and Environmental (4E) analysis of a solar assisted refrigeration system for various operating scenarios, Energy Conversion and Management 2017;148:1055-106

<https://doi.org/10.1016/j.enconman.2017.06.063>)

J32) **E. Bellos**, C. Tzivanidis, A detailed exergetic analysis of parabolic trough collectors, Energy Conversion and Management 2017;149:275-292

<https://doi.org/10.1016/j.enconman.2017.07.035>)

J33) **E. Bellos**, C. Tzivanidis, Optimum design of a solar ejector refrigeration system for various operating scenarios, Energy Conversion and Management 2017;154:11-24

<https://doi.org/10.1016/j.enconman.2017.10.057>)

J34) **E. Bellos**, C. Tzivanidis, Energetic and financial sustainability of solar assisted heat pump heating systems in Europe, Sustainable Cities and Society 2017;33:70-84

<https://doi.org/10.1016/j.scs.2017.05.020>)

J35) **E. Bellos**, C. Tzivanidis, Optimization of a Solar-Driven Trigeration System with Nanofluid-Based Parabolic Trough Collectors, Energies 2017;10:848

<https://doi.org/10.3390/en10070848>)

J36) **E. Bellos**, C. Tzivanidis, S. Pavlovic, V. Stefanovic, Thermodynamic investigation of LiCl-H₂O working pair in a double effect absorption chiller driven by parabolic trough collectors, Thermal Science and Engineering Progress 2017;3C:75-87

<https://doi.org/10.1016/j.tsep.2017.06.005>)

- J37) S. Pavlovic, **E. Bellos**, V. Stefanovic, C. Tzivanidis, Optimum geometry of parabolic trough collector with optical and thermal criteria, *International Review of Applied Sciences and Engineering* 2017;8(1):45-50
(<https://doi.org/10.1556/1848.2017.8.1.7>)
- J38) **E. Bellos**, C. Tzivanidis, Parametric analysis and optimization of an Organic Rankine Cycle with nanofluid based solar parabolic trough collectors, *Renewable Energy* 2017;114B:1376-1393
(<https://doi.org/10.1016/j.renene.2017.06.055>)
- J39) **E. Bellos**, C. Tzivanidis, Parametric analysis and optimization of a solar driven trigeneration system based on ORC and absorption heat pump, *Journal of Cleaner Production* 2017;161:493-509
(<https://doi.org/10.1016/j.jclepro.2017.05.159>)
- J40) **E. Bellos**, C. Tzivanidis, D. Tsimpoukis, Multi-criteria evaluation of parabolic trough collector with internally finned absorbers, *Applied Energy* 2017;205:540-561
(<https://doi.org/10.1016/j.apenergy.2017.07.141>)
- J41) **E. Bellos**, C. Tzivanidis, Energetic and financial analysis of solar cooling systems with single effect absorption chiller in various climates, *Applied Thermal Engineering* 2017;126:809-821
(<https://doi.org/10.1016/j.applthermaleng.2017.08.005>)
- J42) **E. Bellos**, C. Tzivanidis, Parametric investigation of supercritical carbon dioxide utilization in parabolic trough collectors, *Applied Thermal Engineering* 2017;127:736-747
(<https://doi.org/10.1016/j.applthermaleng.2017.08.032>)
- J43) **E. Bellos**, C. Tzivanidis, D. Tsimpoukis, Thermal enhancement of parabolic trough collector with internally finned absorbers, *Solar Energy* 2017;157C:514-531
(<https://doi.org/10.1016/j.solener.2017.08.067>)
- J44) **E. Bellos**, C. Tzivanidis, V. Belessiotis, Daily performance of parabolic trough solar collectors, *Solar Energy* 2017;158:663-678
(<https://doi.org/10.1016/j.solener.2017.10.038>)
- J45) S. Pavlovic, **E. Bellos**, R. Loni, Exergetic investigation of a solar dish collector with smooth and corrugated spiral absorber operating with various nanofluids, *Journal of Cleaner Production* 2018;174:1147-1160
(<https://doi.org/10.1016/j.jclepro.2017.11.004>)
- J46) **E. Bellos**, C. Tzivanidis, Performance analysis and optimization of an absorption chiller driven by nanofluid based solar flat plate collector, *Journal of Cleaner Production* 2018;174:256-272

(<https://doi.org/10.1016/j.jclepro.2017.10.313>)

J47) **E. Bellos**, C. Tzivanidis, Thermal analysis of parabolic trough collector operating with mono and hybrid nanofluids, Sustainable Energy Technologies and Assessments 2018;26:105-115

(<https://doi.org/10.1016/j.seta.2017.10.005>)

J48) V.P. Stefanovic, S.R. Pavlovic, **E. Bellos**, C. Tzivanidis, A detailed parametric analysis of a solar dish collector, Sustainable Energy Technologies and Assessments 2018;25:99-110

(<https://doi.org/10.1016/j.seta.2017.12.005>)

J49) **E. Bellos**, C. Tzivanidis, A Realistic Approach of the Maximum Work Extraction from Solar Thermal Collectors, Applied System Innovation 2018;1:6

(<https://doi.org/10.3390/asi1010006>)

J50) **E. Bellos**, C. Tzivanidis, Investigation of a hybrid ORC driven by waste heat and solar energy, Energy Conversion and Management 2018;156:427-439

(<https://doi.org/10.1016/j.enconman.2017.11.058>)

J51) **E. Bellos**, C. Tzivanidis, D. Tsimpanis, Thermal, hydraulic and exergetic evaluation of a parabolic trough collector operating with thermal oil and molten salt based nanofluids, Energy Conversion and Management 2018;156:388-402

(<https://doi.org/10.1016/j.enconman.2017.11.051>)

J52) **E. Bellos**, C. Tzivanidis, A. Papadopoulos, Optical and thermal analysis of a linear Fresnel reflector operating with thermal oil, molten salt and liquid sodium, Applied Thermal Engineering 2018;133:70-80

(<https://doi.org/10.1016/j.applthermaleng.2018.01.038>)

J53) **E. Bellos**, C. Tzivanidis, Multi-criteria evaluation of a nanofluid-based linear Fresnel solar collector, Solar Energy 2018;163:200-214

(<https://doi.org/10.1016/j.solener.2018.02.007>)

J54) **E. Bellos**, C. Tzivanidis, Analytical Expression of Parabolic Trough Solar Collector Performance, Designs 2018;2(1):9

(<https://doi.org/10.3390/designs2010009>)

J55) **E. Bellos**, S. Pavlovic, D. Vasiljevic, V. Stefanovic, C. Tzivanidis, Experimental and numerical investigation of a triple-dish solar concentrator - A thermal and exergy study, International Journal of Exergy 2018;26(4):581-501

(<https://doi.org/10.1504/IJEX.2018.093191>)

- J56) R. Loni, S. Pavlovic, **E. Bellos**, C. Tzivanidis, E.A. Asli-Ardeh, Thermal and exergy performance of a nanofluid-based solar dish collector with spiral cavity receiver, Applied Thermal Engineering 2018;135:206-217
(<https://doi.org/10.1016/j.applthermaleng.2018.02.070>)
- J57) **E. Bellos**, C. Tzivanidis, Multi-objective optimization of a solar driven trigeneration system, Energy 2018;149:47-62
(<https://doi.org/10.1016/j.energy.2018.02.054>)
- J58) **E. Bellos**, C. Tzivanidis, Energetic and exergetic evaluation of a novel trigeneration system driven by parabolic trough solar collectors, Thermal Science and Engineering Progress 2018;6:41-47
(<https://doi.org/10.1016/j.tsep.2018.03.008>)
- J59) **E. Bellos**, C. Tzivanidis, D. Tsimpoukis, Optimum number of internal fins in parabolic trough collectors, Applied Thermal Engineering 2018;137:669-677
(<https://doi.org/10.1016/j.applthermaleng.2018.04.037>)
- J60) **E. Bellos**, C. Tzivanidis, D. Tsimpoukis, Enhancing the performance of parabolic trough collectors using nanofluids and turbulators, Renewable and Sustainable Energy Reviews 2018;91:358-375
(<https://doi.org/10.1016/j.rser.2018.03.091>)
- J61) **E. Bellos**, C. Tzivanidis, Enhancing the Performance of Evacuated and Non-Evacuated Parabolic Trough Collectors Using Twisted Tape Inserts, Perforated Plate Inserts and Internally Finned Absorber, Energies 2018;11:1129
(<https://doi.org/10.3390/en11051129>)
- J62) **E. Bellos**, E. Mathioulakis, E. Papanicolaou, V. Belessiotis, Experimental investigation of the daily performance of an integrated linear Fresnel reflector system, Solar Energy 2018;167:220-230
(<https://doi.org/10.1016/j.solener.2018.04.019>)
- J63) **E. Bellos**, C. Tzivanidis, Investigation of a star flow insert in a parabolic trough solar collector, Applied Energy 2018;224:86-102
(<https://doi.org/10.1016/j.apenergy.2018.04.099>)
- J64) **E. Bellos**, C. Tzivanidis, Development of an analytical model for the daily performance of solar thermal systems with experimental validation, Sustainable Energy Technologies and Assessments 2018;28:22-29
(<https://doi.org/10.1016/j.seta.2018.05.003>)

- J65) Z. Said, S. Arora, **E. Bellos**, A review on performance and environmental effects of conventional and nanofluid-based thermal photovoltaics, *Renewable and Sustainable Energy Reviews* 2018;94:302-316
(<https://doi.org/10.1016/j.rser.2018.06.010>)
- J66) **E. Bellos**, C. Tzivanidis, K. Torosian, Energetic, exergetic and financial evaluation of a solar driven trigeneration system, *Thermal Science and Engineering Progress* 2018;7:99-106
(<https://doi.org/10.1016/j.tsep.2018.06.001>)
- J67) **E. Bellos**, C. Tzivanidis, Parametric analysis and optimization of a cooling system with ejector-absorption chiller powered by solar parabolic trough collectors, *Energy Conversion and Management* 2018;168:329-342
(<https://doi.org/10.1016/j.enconman.2018.05.024>)
- J68) **E. Bellos**, Z. Said, C. Tzivanidis, The use of nanofluids in solar concentrating technologies: A comprehensive review, *Journal of Cleaner Production* 2018;196:84-99
(<https://doi.org/10.1016/j.jclepro.2018.06.048>)
- J69) R. Loni, E. Askari Asli-Ardeh, B. Ghobadian, A.B. Kasaeian, **E. Bellos**, Thermal performance comparison between Al₂O₃/oil and SiO₂/oil nanofluids in cylindrical cavity receiver based on experimental study, *Renewable Energy* 2018;129A:652-665
(<https://doi.org/10.1016/j.renene.2018.06.029>)
- J70) **E. Bellos**, C. Tzivanidis, Evaluation of a solar driven trigeneration system with conventional and new criteria, *International Journal of Sustainable Energy* 2019;38(3):238-252
(<https://doi.org/10.1080/14786451.2018.1494173>)
- J71) **E. Bellos**, I. Daniil, C. Tzivanidis, Energetic and Financial Optimization of Solar Heat Industry Process with Parabolic Trough Collectors, *Designs* 2018;2:24
(<https://doi.org/10.3390/designs2030024>)
- J72) **E. Bellos**, C. Tzivanidis, Assessment of linear solar concentrating technologies for Greek climate, *Energy Conversion and Management* 2018;171:1502-1513
(<https://doi.org/10.1016/j.enconman.2018.06.076>)
- J73) R. Loni, E. Askari Asli-Ardeh, B. Ghobadian, M.H. Ahmadi, **E. Bellos**, GMDH modeling and experimental investigation of thermal performance enhancement of hemispherical cavity receiver using MWCNT/oil nanofluid, *Solar Energy* 2018;171:790-803
(<https://doi.org/10.1016/j.solener.2018.07.003>)
- J74) R. Loni, E. Askari Asli-Ardeh, B. Ghobadian, **E. Bellos**, W.G. Le Roux, Numerical comparison of a solar dish concentrator with different cavity receivers and working fluids, *Journal of Cleaner Production* 2018;198:1013-1030

<https://doi.org/10.1016/j.jclepro.2018.07.075>)

J75) **E. Bellos**, I. Daniil, C. Tzivanidis, Multiple cylindrical inserts for parabolic trough solar collector, Applied Thermal Engineering 2018;143:80-89

<https://doi.org/10.1016/j.applthermaleng.2018.07.086>)

J76) **E. Bellos**, C. Tzivanidis, A. Papadopoulos, Secondary concentrator optimization of a linear Fresnel reflector using Bezier polynomial parametrization, Solar Energy 2018;171:716-727

<https://doi.org/10.1016/j.solener.2018.07.025>)

J77) M.T. Plytaria, C. Tzivanidis, **E. Bellos**, K.A. Antonopoulos, Energetic investigation of solar assisted heat pump underfloor heating systems with and without phase change materials, Energy Conversion and Management 2018;173:626-639

<https://doi.org/10.1016/j.enconman.2018.08.010>)

J78) **E. Bellos**, L. Vellios, I.-C. Theodosiou, C. Tzivanidis, Investigation of a solar-biomass polygeneration system, Energy Conversion and Management 2018;173:283-295

<https://doi.org/10.1016/j.enconman.2018.07.093>)

J79) **E. Bellos**, C. Tzivanidis, A. Papadopoulos, Daily, monthly and yearly performance of a linear Fresnel reflector, Solar Energy 2018;173:517-529

<https://doi.org/10.1016/j.solener.2018.08.008>)

J80) **E. Bellos**, C. Tzivanidis, Development of analytical expressions for the incident angle modifiers of a linear Fresnel reflector, Solar Energy 2018;173:769-779

<https://doi.org/10.1016/j.solener.2018.08.019>)

J81) R. Loni, E.A. Asli-Ardeh, B. Ghobadian, A.B. Kasaeian, **E. Bellos**, Energy and exergy investigation of alumina/oil and silica/oil nanofluids in hemispherical cavity receiver: Experimental Study, Energy 2018;164:275-287

<https://doi.org/10.1016/j.energy.2018.08.174>)

J82) G. Mitsopoulos, **E. Bellos**, C. Tzivanidis, Financial and Energetic Optimization of Greek Buildings Insulation, Designs 2018;2(3):34

<https://doi.org/10.3390/designs2030034>)

J83) **E. Bellos**, I.-C. Theodosiou, L. Vellios, C. Tzivanidis, Investigation of a novel solar-driven refrigeration system with ejector, Thermal Science and Engineering Progress 2018;8:284-295

<https://doi.org/10.1016/j.tsep.2018.09.005>)

- J84) G. Mitsopoulos, **E. Bellos**, C. Tzivanidis, Parametric analysis and multi-objective optimization of a solar heating system for various building envelopes, *Thermal Science and Engineering Progress* 2018;8:307-317
(<https://doi.org/10.1016/j.tsep.2018.09.007>)
- J85) S. Pavlovic, R. Loni, **E. Bellos**, D. Vasiljević, G. Najafi, A. Kasaeian, Comparative study of spiral and conical cavity receivers for a solar dish collector, *Energy Conversion and Management* 2018;178:111-122
(<https://doi.org/10.1016/j.enconman.2018.10.030>)
- J86) S. Pavlovic, **E. Bellos**, V. Stefanovic, M. Djordjevic, D.M. Vasiljevic, Thermal and exergetic investigation of a solar dish collector operating with mono and hybrid nanofluids, *Thermal Science* 2018;22(S5):1383-1393
(<https://doi.org/10.2298/TSCI18S5383P>)
- J87) C. Tzivanidis, **E. Bellos**, Energetic, Exergetic, and Financial Investigation of Biomass-Driven Trigeneration System, *Journal of Energy Engineering* 2019;145(6):04019020
([https://doi.org/10.1061/\(ASCE\)EY.1943-7897.0000622](https://doi.org/10.1061/(ASCE)EY.1943-7897.0000622))
- J88) M. Plytaria, C. Tzivanidis, I. Alexopoulos, **E. Bellos**, K.A. Antonopoulos, Comparison of two solar-assisted underfloor heating systems with Phase Change Materials, *International Journal of Thermodynamics* 2019;22(3):138-147
(<https://doi.org/10.5541/ijot.495329>)
- J89) Z. Said, M. Gupta, H. Hegab, N. Arora, A. Mashood Khan, M. Jamil, **E. Bellos**, A comprehensive review on minimum quantity lubrication (MQL) in machining processes using nano-cutting fluids, *The International Journal of Advanced Manufacturing Technology* 2019;105:2057–2086
(<https://doi.org/10.1007/s00170-019-04382-x>)
- J90) M.T. Plytaria, C. Tzivanidis, **E. Bellos**, I. Alexopoulos, K.A. Antonopoulos, Thermal Behavior of a Building with Incorporated Phase Change Materials in the South and the North Wall, *Computation* 2019;7:2
(<https://doi.org/10.3390/computation7010002>)
- J91) **E. Bellos**, I. Daniil, C. Tzivanidis, A cylindrical insert for parabolic trough solar collector, *International Journal of Numerical Methods for Heat & Fluid Flow* 2019;29(5):1846-1876
(<https://doi.org/10.1108/HFF-05-2018-0190>)
- J92) S. Pavlovic, V. Stefanovic, Z. Jankovic, **E. Bellos**, D. Vasiljevic, Daily performance of a solar dish collector, *Thermal Science* 2019;23(3):2107-2115
(<https://doi.org/10.2298/TSCI180124098P>)

- J93) **E. Bellos**, C. Tzivanidis, A. Papadopoulos, Enhancing the performance of a linear Fresnel reflector using nanofluids and internal finned absorber, *Journal of Thermal Analysis and Calorimetry* 2019;135:237-255
(<https://doi.org/10.1007/s10973-018-6989-1>)
- J94) **E. Bellos**, C. Tzivanidis, Thermal efficiency enhancement of nanofluid-based parabolic trough collectors, *Journal of Thermal Analysis and Calorimetry* 2019;135:597-608
(<https://doi.org/10.1007/s10973-018-7056-7>)
- J95) **E. Bellos**, C. Tzivanidis, A review of concentrating solar thermal collectors with and without Nanofluids, *Journal of Thermal Analysis and Calorimetry* 2019;135:763-786
(<https://doi.org/10.1007/s10973-018-7183-1>)
- J96) D.R. Rajendran, E.G. Sundaram, P. Jawahar, V. Sivakumar, O. Mahian, **E. Bellos**, Review on influencing parameters in the performance of concentrated solar power collector based on materials, heat transfer fluids and design, *Journal of Thermal Analysis and Calorimetry* 2020;140:33-51
(<https://doi.org/10.1007/s10973-019-08759-8>)
- J97) Md. Shahruxh Anis, B. Jamil, Md. Azeem Ansari, **E. Bellos**, Generalized models for estimation of global solar radiation based on sunshine duration and detailed comparison with the existing: A case study for India, *Sustainable Energy Technologies and Assessments* 2019;31:179-198
(<https://doi.org/10.1016/j.seta.2018.12.009>)
- J98) A. Khatibi, R. Ghasempour, R. Shirmohammadi, A. Farahmand, H. Alizadeh, **E. Bellos**, Optimization of multi-layer absorbing systems in solar flat-plate collectors using cluster analysis, *Sustainable Energy Technologies and Assessments* 2019;36:100538
(<https://doi.org/10.1016/j.seta.2019.100538>)
- J99) **E. Bellos**, C. Tzivanidis, Alternative designs of parabolic trough solar collectors, *Progress in Energy and Combustion Science* 2019;71:81-117
(<https://doi.org/10.1016/j.pecs.2018.11.001>)
- J100) M.T. Plytaria, C. Tzivanidis, **E. Bellos**, K.A. Antonopoulos, Parametric analysis and optimization of an underfloor solar assisted heating system with phase change materials, *Thermal Science and Engineering Progress* 2019;10:59-72
(<https://doi.org/10.1016/j.tsep.2019.01.010>)
- J101) **E. Bellos**, Progress in the design and the applications of linear Fresnel reflectors – A critical review, *Thermal Science and Engineering Progress* 2019;10:112-137
(<https://doi.org/10.1016/j.tsep.2019.01.014>)

- J102) **E. Bellos**, M.Gr. Vrachopoulos, C. Tzivanidis, Theoretical investigation of a novel hybrid refrigeration cycle based on the partial thermal isochoric compression, *Thermal Science and Engineering Progress* 2019;11:239-248
(<https://doi.org/10.1016/j.tsep.2019.04.003>)
- J103) Z. Said, M. El Haj Assad, A.A. Hachicha, **E. Bellos**, M.A. Abdelkareem, D.Z. Alazaizeh, B.A.A. Yousef, Enhancing the performance of automotive radiators using nanofluids, *Renewable and Sustainable Energy Reviews* 2019;12:183-194
(<https://doi.org/10.1016/j.rser.2019.05.052>)
- J104) B. Jamil, **E. Bellos**, Development of empirical models for estimation of global solar radiation exergy in India, *Journal of Cleaner Production* 2019;207:1-16
(<https://doi.org/10.1016/j.jclepro.2018.09.246>)
- J105) M. Ghodbane, B. Boumeddane, Z. Said, **E. Bellos**, A numerical simulation of a linear Fresnel solar reflector directed to produce steam for the power plant, *Journal of Cleaner Production* 2019;231:494-508
(<https://doi.org/10.1016/j.jclepro.2019.05.201>)
- J106) **E. Bellos**, C. Tzivanidis, Investigation of the Environmentally-Friendly Refrigerant R152a for Air Conditioning Purposes, *Applied Sciences* 2019;9(1):119
(<https://doi.org/10.3390/app9010119>)
- J107) **E. Bellos**, C. Tzivanidis, A Theoretical Comparative Study of CO₂ Cascade Refrigeration Systems, *Applied Sciences* 2019;9(4):790
(<https://doi.org/10.3390/app9040790>)
- J108) **E. Bellos**, C. Tzivanidis, CO₂ Transcritical Refrigeration Cycle with Dedicated Subcooling: Mechanical Compression vs. Absorption Chiller, *Applied Sciences* 2019;9(8):1605
(<https://doi.org/10.3390/app9081605>)
- J109) **E. Bellos**, C. Tzivanidis, Investigation of a booster secondary reflector for a parabolic trough solar collector, *Solar Energy* 2019;179:174-185
(<https://doi.org/10.1016/j.solener.2018.12.071>)
- J110) **E. Bellos**, C. Tzivanidis, M.A. Moghimi, Reducing the optical end losses of a linear Fresnel reflector using novel techniques, *Solar Energy* 2019;186:247-256
(<https://doi.org/10.1016/j.solener.2019.05.020>)
- J111) **E. Bellos**, S. Pavlovic, V. Stefanovic, C. Tzivanidis, B.B. Nakomcic-Smaradgakis, Parametric analysis and yearly performance of a trigeneration system driven by solar-dish collectors, *International Journal of Energy Research* 2019;43(4):1534-1536
(<https://doi.org/10.1002/er.4380>)

- J112) **E. Bellos**, C. Tzivanidis, Design of a solar-driven cogeneration system using flat plate collectors and evacuated tube collectors, *International Journal of Energy Research* 2019;43(11):5841-5851
(<https://doi.org/10.1002/er.4689>)
- J113) D. Korres, **E. Bellos**, C. Tzivanidis, Investigation of a nanofluid-based compound parabolic trough solar collector under laminar flow conditions, *Applied Thermal Engineering* 2019;149:366-376
(<https://doi.org/10.1016/j.applthermaleng.2018.12.077>)
- J114) **E. Bellos**, C. Tzivanidis, Multi-objective optimization of a solar assisted heat pump-driven by hybrid PV, *Applied Thermal Engineering* 2019;149:528-535
(<https://doi.org/10.1016/j.applthermaleng.2018.12.059>)
- J115) M.T. Plytaria, **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, Financial and energetic evaluation of solar-assisted heat pump underfloor heating systems with phase change materials, *Applied Thermal Engineering* 2019;149:548-564
(<https://doi.org/10.1016/j.applthermaleng.2018.12.075>)
- J116) **E. Bellos**, C. Tzivanidis, A comparative study of CO₂ refrigeration systems, *Energy Conversion and Management: X* 2019;1:100002
(<https://doi.org/10.1016/j.ecmx.2018.100002>)
- J117) G. Mitsopoulos, E. Syngounas, D. Tsimpoukis, **E. Bellos**, C. Tzivanidis, S. Anagnostatos, Annual performance of a supermarket refrigeration system using different configurations with CO₂ refrigerant, *Energy Conversion and Management: X* 2019;1:100006
(<https://doi.org/10.1016/j.ecmx.2019.100006>)
- J118) **E. Bellos**, E. Bousi, C. Tzivanidis, S. Pavlovic, Optical and thermal analysis of different cavity receiver designs for solar dish concentrators, *Energy Conversion and Management: X* 2019;2:100013
(<https://doi.org/10.1016/j.ecmx.2019.100013>)
- J119) **E. Bellos**, C. Tzivanidis, Investigation of a nanofluid-based concentrating thermal photovoltaic with a parabolic reflector, *Energy Conversion and Management* 2019;180:181-182
(<https://doi.org/10.1016/j.enconman.2018.11.008>)
- J120) R. Loni, E. Askari Asli-Ardeh, B. Ghobadian, G. Najafi, **E. Bellos**, Effects of size and volume fraction of alumina nanoparticles on the performance of a solar organic Rankine cycle, *Energy Conversion and Management* 2019;182:398-411
(<https://doi.org/10.1016/j.enconman.2018.12.079>)

- J121) M.T. Plytaria, **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, Numerical simulation of a solar cooling system with and without phase change materials in radiant walls of a building, *Energy Conversion and Management* 2019;188:40-53
(<https://doi.org/10.1016/j.enconman.2019.03.042>)
- J122) **E. Bellos**, I. Skaltsas, O. Pliakos, C. Tzivanidis, Energy and financial investigation of a cogeneration system based on linear Fresnel reflectors, *Energy Conversion and Management* 2019;198:111821
(<https://doi.org/10.1016/j.enconman.2019.111821>)
- J123) **E. Bellos**, C. Tzivanidis, N. Nikolaou, Investigation and optimization of a solar assisted heat pump driven by nanofluid-based hybrid PV, *Energy Conversion and Management* 2019;198:111831
(<https://doi.org/10.1016/j.enconman.2019.111831>)
- J124) E. Askari-Asli Ardeh, R. Loni, G. Najafi, B. Ghobadian, **E. Bellos**, D. Wen, Exergy and economic assessments of solar organic Rankine cycle system with linear V-Shape cavity, *Energy Conversion and Management* 2019;199:111997
(<https://doi.org/10.1016/j.enconman.2019.111997>)
- J125) **E. Bellos**, C. Tzivanidis, Enhancing the performance of a CO₂ refrigeration system with the use of an absorption chiller, *International Journal of Refrigeration* 2019;108:37-52
(<https://doi.org/10.1016/j.ijrefrig.2019.09.009>)
- J126) A.H. Arkian, G. Najafi, S. Gorjian, R. Loni, **E. Bellos**, T. Yusaf, Performance Assessment of a Solar Dryer System Using Small Parabolic Dish and Alumina/Oil Nanofluid: Simulation and Experimental Study, *Energies* 2019;12:4747
(<https://doi.org/10.3390/en12244747>)
- J127) R. Loni, E. Askari Asli-Areh, B. Ghobadian, A.B. Kasaeian, Sh. Gorjian, G. Najafi, **E. Bellos**, Research and review study of solar dish concentrators with different nanofluids and different shapes of cavity receiver: Experimental tests, *Renewable Energy* 2020;145:783-804
(<https://doi.org/10.1016/j.renene.2019.06.056>)
- J128) K. Shahverdi, R. Loni, B. Ghobadian, S. Gohari, S. Marofi, **E. Bellos**, Numerical Optimization Study of Archimedes Screw Turbine (AST): A case study, *Renewable Energy* 2020;2130-2143
(<https://doi.org/10.1016/j.renene.2019.07.124>)
- J129) M. Ghodbane, **E. Bellos**, Z. Said, B. Boumeddane, A.K. Hussein, L. Kolsi, Evaluating energy efficiency and economic effect of heat transfer in copper tube for small solar linear Fresnel reflector, *Journal of Thermal Analysis and Calorimetry* 2021;143:4197–4215
(<https://doi.org/10.1007/s10973-020-09384-6>)

- J130) A. Kumar, Z. Said, **E. Bellos**, An up-to-date review on evacuated tube solar collectors, *Journal of Thermal Analysis and Calorimetry* 2021;145:2873-2889
(<https://doi.org/10.1007/s10973-020-09953-9>)
- J131) **E. Bellos**, C. Tzivanidis, Enhancing the performance of a parabolic trough collector with combined thermal and optical techniques, *Applied Thermal Engineering* 2020;164:114496
(<https://doi.org/10.1016/j.applthermaleng.2019.114496>)
- J132) R. Loni, B. Ghobadian, A.B. Kasaeian, M.M. Akhlaghi, **E. Bellos**, G. Najafi, Sensitivity analysis of parabolic trough concentrator using rectangular cavity receiver, *Applied Thermal Engineering* 2020;169:114948
(<https://doi.org/10.1016/j.applthermaleng.2020.114948>)
- J133) A. Rafiei, R. Loni, S.B. Mahadzir, G. Najafi, S. Pavlovic, **E. Bellos**, Solar desalination system with a focal point concentrator using different nanofluids, *Applied Thermal Engineering* 2020;174:115058
(<https://doi.org/10.1016/j.applthermaleng.2020.115058>)
- J134) **E. Bellos**, C. Tzivanidis, Incorporation of an organic Rankine cycle in a transcritical booster CO₂ refrigeration system, *International Journal of Energy Research* 2020;44:7974-7988
(<https://doi.org/10.1002/er.5192>)
- J135) H. Habibi, M. Zoghi, A. Chitsaz, K. Javaherdeh, M. Ayazpour, **E. Bellos**, Working fluid selection for regenerative supercritical Brayton cycle combined with bottoming ORC driven by molten salt solar power tower using energy–exergy analysis, *Sustainable Energy Technologies and Assessments* 2020;39:100699
(<https://doi.org/10.1016/j.seta.2020.100699>)
- J136) **E. Bellos**, C. Tzivanidis, Z. Said, A systematic parametric thermal analysis of nanofluid-based parabolic trough solar collectors, *Sustainable Energy Technologies and Assessments* 2020;39:100714
(<https://doi.org/10.1016/j.seta.2020.100714>)
- J137) A. Kasaeian, **E. Bellos**, A. Shamaeizadeh, C. Tzivanidis, Solar-driven polygeneration systems: Recent progress and outlook, *Applied Energy* 2020;264:114764
(<https://doi.org/10.1016/j.apenergy.2020.114764>)
- J138) **E. Bellos**, C. Tzivanidis, Parametric Investigation of a Trigeneration System with an Organic Rankine Cycle and Absorption Heat Pump Driven by Parabolic Trough Collectors for the Building Sector, *Energies* 2020;13:1800
(<https://doi.org/10.3390/en13071800>)

- J139) C. Tzivanidis, **E. Bellos**, A Comparative Study of Solar-Driven Trigeneration Systems for the Building Sector, *Energies* 2020;13(8):2074
(<https://doi.org/10.3390/en13082074>)
- J140) A. Refiei, R. Loni, G. Najafi, A.Z. Sahin, **E. Bellos**, Effect of use of MWCNT/oil nanofluid on the performance of solar organic Rankine cycle, *Energy Reports* 2020;6:782-794
(<https://doi.org/10.1016/j.egy.2020.03.035>)
- J141) A. Rafiei, R. Loni, M.H. Ahmadi, G. Najafi, **E. Bellos**, F. Rajaei, E.A. Asli-Ardeh, Sensitivity analysis of a parabolic trough concentrator with linear V-shape cavity, *Energy Science & Engineering* 2020;8:3544-3560
(<https://doi.org/10.1002/ese3.763>)
- J142) **E. Bellos**, C. Tzivanidis, Financial Optimization of a Solar-Driven Organic Rankine Cycle, *Applied System Innovation* 2020;3:23
(<https://doi.org/10.3390/asi3020023>)
- J143) A.M. Daabo, **E. Bellos**, S. Pavlovic, M.A. Bashir, S. Mahmoud, R.K. Al-Dadah, Characterization of a micro thermal cavity receiver – Experimental and analytical investigation, *Thermal Science and Engineering Progress* 2020;18:100554
(<https://doi.org/10.1016/j.tsep.2020.100554>)
- J144) **E. Bellos**, C. Tzivanidis, Concentrating Solar Collectors for a Trigeneration System—A Comparative Study, *Applied Sciences* 2020;10:4492
(<https://doi.org/10.3390/app10134492>)
- J145) **E. Bellos**, C. Tzivanidis, Energy and financial analysis of a solar driven thermoelectric generator, *Journal of Cleaner Production* 2020;264:121534
(<https://doi.org/10.1016/j.jclepro.2020.121534>)
- J146) **E. Bellos**, C. Tzivanidis, Solar concentrating systems and applications in Greece – A critical review, *Journal of Cleaner Production* 2020;272:122855
(<https://doi.org/10.1016/j.jclepro.2020.12285>)
- J147) D. Tsimpoukis, E. Syngounas, D. Petsanas, G. Mitsopoulos, S. Anagnostatos, **E. Bellos**, C. Tzivanidis, M.Gr. Vrachopoulos, Energy and environmental investigation of R744 all-in-one configurations for refrigeration and heating/air conditioning needs of a supermarket, *Journal of Cleaner Production* 2021;279: 123234
(<https://doi.org/10.1016/j.jclepro.2020.123234>)
- J148) M. Ghodbane, **E. Bellos**, Z. Said, B. Boumeddane, A. Khechekhouche, M. Sheikholeslami, Z.M. Ali, Energy, Financial, and Environmental Investigation of a Direct Steam Production Power Plant Driven by Linear Fresnel Solar Reflectors, *Journal of Solar Energy Engineering* 2021;143:021008

<https://doi.org/10.1115/1.4048158>)

J149) A. Refiei, R. Loni, G. Najafi, **E. Bellos**, M. Sharifpur, D. Wen, 4E assessment of power generation systems for a mobile house in emergency condition using solar energy: a case study, *Journal of Thermal Analysis and Calorimetry* 2021;145:751-767

<https://doi.org/10.1007/s10973-020-10193-0>)

J150) **E. Bellos**, C. Tzivanidis, Polynomial Expressions for the Thermal Efficiency of the Parabolic Trough Solar Collector, *Applied Sciences* 2020;10:6901

<https://doi.org/10.3390/app10196901>)

J151) R.S. Anand, C.P. Jawahar, A.B. Solomon, **E. Bellos**, A review of experimental studies on cylindrical two-phase closed thermosyphon using refrigerant for low-temperature applications, *International Journal of Refrigeration* 2020;120:296-313

<https://doi.org/10.1016/j.ijrefrig.2020.08.011>)

J152) A.B. Awan, M.N. Khan, M. Zubair, **E. Bellos**, Commercial parabolic trough CSP plants: Research trends and technological advancements, *Solar Energy* 2020;211:1422-1458

<https://doi.org/10.1016/j.solener.2020.09.072>)

J153) R. Loni, G. Najafi, **E. Bellos**, F. Rajaei, Z. Said, M. Mazlan, A review of industrial waste heat recovery system for power generation with Organic Rankine Cycle: Recent challenges and future outlook, *Journal of Cleaner production* 2021;287:125070

<https://doi.org/10.1016/j.jclepro.2020.125070>)

J154) **E. Bellos**, I. Sarakatsanis, C. Tzivanidis, C. Investigation of Different Storage Systems for Solar-Driven Organic Rankine Cycle, *Applied System Innovation* 2020;3:52

<https://doi.org/10.3390/asi3040052>)

J155) **E. Bellos**, C. Tzivanidis, Parametric analysis of a solar-driven trigeneration system with an organic Rankine cycle and a vapor compression cycle, *Energy and Built Environment* 2021;2(3):278-289

<https://doi.org/10.1016/j.enbenv.2020.08.004>)

J156) Z. Said, A.A. Hachicha, S. Aberoumand, B.A.A. Yousef, E.T. Sayed, **E. Bellos**, Recent advances on nanofluids for low to medium temperature solar collectors: energy, exergy, economic analysis and environmental impact, *Progress in Energy and Combustion Science* 2021;84:100898

<https://doi.org/10.1016/j.pecs.2020.100898>)

J157) A. Rafiei, R. Loni, G. Najafi, S.B. Mahadzir, **E. Bellos**, M. Sharifpur, M. Mazlan, Assessment of a solar-driven cogeneration system for electricity and desalination, *Journal of Thermal Analysis and Calorimetry* 2021;145:1711-1731

<https://doi.org/10.1007/s10973-020-10525-0>)

- J158) R.S. Anand, C.P. Jawahar, **E. Bellos**, A. Malmquist, A comprehensive review on Crossflow turbine for hydropower applications, *Ocean Engineering* 2021;240:110015
(<https://doi.org/10.1016/j.oceaneng.2021.110015>)
- J159) **E. Bellos**, I. Chatzovoulos, C. Tzivanidis, Yearly investigation of a solar-driven absorption refrigeration system with ammonia-water absorption pair, *Thermal Science and Engineering Progress* 2021;23:100885
(<https://doi.org/10.1016/j.tsep.2021.100885>)
- J160) **E. Bellos**, C. Tzivanidis, Parametric Analysis of a Polygeneration System with CO₂ Working Fluid, *Applied Sciences* 2021;11(7):3215
(<https://doi.org/10.3390/app11073215>)
- J161) **E. Bellos**, C. Tzivanidis, Z. Said, Investigation and optimization of a solar-assisted pumped thermal energy storage system with flat plate collectors, *Energy Conversion and Management* 2021;237:114137
(<https://doi.org/10.1016/j.enconman.2021.114137>)
- J162) **E. Bellos**, C. Tzivanidis, Dynamic investigation and optimization of a solar-fed trigeneration system, *Applied Thermal Engineering* 2021;191:116869
(<https://doi.org/10.1016/j.applthermaleng.2021.116869>)
- J163) S. Pavlovic, **E. Bellos**, Z. Said, Cogeneration system driven by solar dish concentrators, *Environmental Progress and Sustainable Energy* 2021:13644
(<https://doi.org/10.1002/ep.13644>)
- J164) O. Mahian, **E. Bellos**, C.N. Markides, R.A. Taylor, A. Alagumalai, L. Yang, C. Qin, B.J. Lee, G. Ahmadi, M.R. Safaei, S. Wongwises, Recent advances in using nanofluids in renewable energy systems and the environmental implications of their uptake, *Nano Energy* 2021;86:106069
(<https://doi.org/10.1016/j.nanoen.2021.106069>)
- J165) K. Shahverdi, **E. Bellos**, R. Loni, G. Najafi, Z. Said, Solar-driven water pump with organic Rankine cycle for pressurized irrigation systems: A case study, *Thermal Science and Engineering Progress* 2021;65:100960
(<https://doi.org/10.1016/j.tsep.2021.100960>)
- J166) **E. Bellos**, C. Tzivanidis, Parametric Investigation of a Ground Source CO₂ Heat Pump for Space Heating, *Energies* 2021;14:3563
(<https://doi.org/10.3390/en14123563>)
- J167) R. Loni, O. Mahian, C.N. Markides, **E. Bellos**, W.G. le Roux, A. Kasaeian, G. Najafi, F. Rajaei, A review of solar-driven organic Rankine cycles: Recent challenges and future outlook, *Renewable and Sustainable Energy Reviews* 2021;150:111410

<https://doi.org/10.1016/j.rser.2021.111410>

J168) S. Pavlovic, **E. Bellos**, M. Grozdanovic, Numerical investigation of a solar-driven organic rankine cycle coupled to a geothermal field, *Facta Universitatis, Series: Working and Living Environmental Protection* 2021;18(2):87-102

<https://doi.org/10.22190/FUWLEP2102087P>

J169) N. Aslfattahi, R. Loni, **E. Bellos**, G. Najafi, K. Kadirgama, W.S.W. Harun, R. Saidur, Efficiency enhancement of a solar dish collector operating with a novel soybean oil-based-MXene nanofluid and different cavity receivers, *Journal of Cleaner Production* 2021:128430

<https://doi.org/10.1016/j.jclepro.2021.128430>

J170) **E. Bellos**, C. Tzivanidis, Investigation of a Novel CO₂ Transcritical Organic Rankine Cycle Driven by Parabolic Trough Solar Collectors, *Applied System Innovation* 2021;4:53

<https://doi.org/10.3390/asi4030053>

J171) D. Tsimpoukis, E. Syngounas, **E. Bellos**, M. Koukou, C. Tzivanidis, S. Anagnostatos, M.Gr. Vrachopoulos, Investigation of energy and financial performance of a novel CO₂ supercritical solar-biomass trigeneration system for operation in the climate of Athens, *Energy Conversion and Management* 2021;245:114583

<https://doi.org/10.1016/j.enconman.2021.114583>

J172) R. Loni, O. Mahian, G. Najafi, A.Z. Sahin, F. Rajaei, A. Kasaeian, M. Mehrpoya, **E. Bellos**, W.G. le Roux, A critical review of power generation using geothermal-driven organic Rankine cycle, *Thermal Science and Engineering Progress* 2021;25:101028

<https://doi.org/10.1016/j.tsep.2021.101028>

J173) P. Kanti, K.V. Sharma, Z. Said, **E. Bellos**, Numerical study on the thermo-hydraulic performance analysis of fly ash nanofluid. *Journal of Thermal Analysis and Calorimetry* 2022;147:2101-2113

<https://doi.org/10.1007/s10973-020-10533-0>

J174) Z. Said, L.S. Sundar, A.K. Tiwari, H.M. Ali, M. Sheikholeslami, **E. Bellos**, H. Babar, Recent advances on the fundamental physical phenomena behind stability, dynamic motion, thermophysical properties, heat transport, applications, and challenges of nanofluids, *Physics Reports* 2022;946:1-94

<https://doi.org/10.1016/j.physrep.2021.07.002>

J175) N. Georgousis, P. Lykas, **E. Bellos**, C. Tzivanidis, Multi-objective optimization of a solar-driven polygeneration system based on CO₂ working fluid, *Energy Conversion and Management* 2022;252:115136

<https://doi.org/10.1016/j.enconman.2021.115136>

J176) M.A. Vaziri Rad, M.P. Vaghar, A. Kouravand, **E. Bellos**, A. Kasaeian, Techno-economic evaluation of stand-alone energy supply to a health clinic considering pandemic diseases (COVID-19) challenge, *Sustainable Energy Technologies and Assessments* 2022;51:101909

(<https://doi.org/10.1016/j.seta.2021.101909>)

J177) **E. Bellos**, P. Lykas, C. Tzivanidis, Pumped Thermal Energy Storage System for Trigenation: The Concept of Power to XYZ, *Applied Sciences* 2022;12:970
(<https://doi.org/10.3390/app12030970>)

J178) P. Lykas, N. Georgousis, **E. Bellos**, C. Tzivanidis, Investigation and optimization of a CO₂-based polygeneration unit for supermarkets, *Applied Energy* 2022;311:118717
(<https://doi.org/10.1016/j.apenergy.2022.118717>)

J179) **E. Bellos**, P. Lykas, C. Tzivanidis, Investigation of a Solar-Driven Organic Rankine Cycle with Reheating, *Applied Sciences* 2022;12:2322
(<https://doi.org/10.3390/app12052322>)

J180) Z. Said, M. Ghodbane, B. Boumeddane, A. Kumar Tiwari, L.S. Sundar, C. Li, N. Aslfattahi, **E. Bellos**, Energy, exergy, economic and environmental (4E) analysis of a parabolic trough solar collector using MXene based silicone oil nanofluids, *Solar Energy Materials and Solar Cells* 2022;239:111633
(<https://doi.org/10.1016/j.solmat.2022.111633>)

J181) S. Pavlovic, **E. Bellos**, M. Grozdanovic, V. Stefanovic, M. Lakovic-Paunovic, C. Tzivanidis, A comparative study of sensible and latent thermal storage technologies coupled to flat plate solar collectors, *Innovative Mechanical Engineering, University of Niš, Faculty of Mechanical Engineering* 2022;1(1):57-69

J182) R.S. Anand, C.P. Jawahar, A. Brusly Solomon, **E. Bellos**, X. Ajay Vasanth, Experimental investigation of a two-phase closed thermosyphon with Al₂O₃/R134a nanorefrigerant, *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering* 2024;238(1):56-66
(<https://doi.org/10.1177/09544089221093975>)

J183) R.S. Anand, C.P. Jawahar, A. Brusly Solomon, Shibin David, **E. Bellos**, Z. Said, Experimental investigations on modified thermosyphons using R134a/Al₂O₃ and comparative machine learning analysis, *Applied Thermal Engineering* 2022;212:118554
(<https://doi.org/10.1016/j.applthermaleng.2022.118554>)

J184) **E. Bellos**, L. Papavasileiou, M. Kekatou, M. Karagiorgas, A Comparative Energy and Economic Analysis of Different Solar Thermal Domestic Hot Water Systems for the Greek Climate Zones: A Multi-Objective Evaluation Approach, *Applied Sciences* 2022;12:4566
(<https://doi.org/10.3390/app12094566>)

J185) **E. Bellos**, P. Lykas, C. Tzivanidis, Heat and Flow Study of the Internally Finned Tubes with Different Fin Geometries, *Applied System Innovation* 2022;5:50
(<https://doi.org/10.3390/asi5030050>)

J186) **E. Bellos**, Z. Said, P. Lykas, C. Tzivanidis, A review of polygeneration systems with CO₂ working fluid, *Thermal Science and Engineering Progress* 2022;34:101435

<https://doi.org/10.1016/j.tsep.2022.101435>)

J187) **E. Bellos**, P. Lykas, C. Tzivanidis, Theoretical Analysis of a Biomass-Driven Single-Effect Absorption Heat Pump for Heating and Cooling Purposes, *Applied System Innovation* 2022;5:99

<https://doi.org/10.3390/asi5050099>)

J188) P. Lykas, N. Georgousis, **E. Bellos**, C. Tzivanidis, A comprehensive review of solar-driven multigeneration systems with hydrogen production, *International Journal of Hydrogen Energy* 2023;48:437-477

<https://doi.org/10.1016/j.ijhydene.2022.09.226>)

J189) P. Lykas, **E. Bellos**, G. Caralis, C. Tzivanidis, Dynamic Investigation and Optimization of a Solar-Based Unit for Power and Green Hydrogen Production: A Case Study of the Greek Island, Kythnos, *Applied Sciences* 2022;12:11134

<https://doi.org/10.3390/app122111134>)

J190) M. Sidhareddy, S. Tiwari, P. Phelan, **E. Bellos**, Comprehensive review on adsorption cooling systems and its regeneration methods using Solar, Ultrasound, and Microwave Energy, *International Journal of Refrigeration* 2022

<https://doi.org/10.1016/j.ijrefrig.2022.10.025>)

J191) **E. Bellos**, P. Iliadis, C. Papalexis, R. Rotas, N. Nikolopoulos, E. Kosmatopoulos, C. Halmdienst, Dynamic investigation of centralized and decentralized storage systems for a district heating network, *Journal of Energy Storage* 2022;56B:106072

<https://doi.org/10.1016/j.est.2022.106072>)

J192) D.N. Korres, **E. Bellos**, C. Tzivanidis, Integration of a Linear Cavity Receiver in an Asymmetric Compound Parabolic Collector, *Energies* 2022;15:8635

<https://doi.org/10.3390/en15228635>)

J193) **E. Bellos**, P. Iliadis, C. Papalexis, R. Rotas, I. Mamounakis, V. Sougkakis, N. Nikolopoulos, E. Kosmatopoulos, Holistic renovation of a multi-family building in Greece based on dynamic simulation analysis, *Journal of Cleaner Production* 2022:135202

<https://doi.org/10.1016/j.jclepro.2022.135202>)

J194) D.N. Korres, **E. Bellos**, P. Lykas, C. Tzivanidis, An Innovative Parabolic Trough Collector Design with a Twin-Cavity Receiver, *Applied Sciences* 2022;12:12551

<https://doi.org/10.3390/app122412551>)

J195) P. Lykas, N. Georgousis, A. Kitsopoulou, D.N. Korres, **E. Bellos**, C. Tzivanidis, A Detailed Parametric Analysis of a Solar-Powered Cogeneration System for Electricity and Hydrogen Production, *Applied Sciences* 2023;13:433

<https://doi.org/10.3390/app13010433>)

J196) **E. Bellos**, A geospatial comparative analysis of solar thermal concentrating power systems in Greece, *Cleaner Energy Systems* 2023;4100055

<https://doi.org/10.1016/j.cles.2023.100055>)

- J197) D. Tsimpoukis, E. Syngounas, **E. Bellos**, M. Koukou, C. Tzivanidis, S. Anagnostatos, M.Gr. Vrachopoulos, Thermodynamic and economic analysis of a supermarket transcritical CO₂ refrigeration system coupled with solar-fed supercritical CO₂ Brayton and organic Rankine cycles, *Energy Conversion and Management: X* 2023;18:100351
(<https://doi.org/10.1016/j.ecmx.2023.100351>)
- J198) **E. Bellos**, D. Tsimpoukis, P. Lykas, A. Kitsopoulou, D.N. Korres, M.G. Vrachopoulos, C. Tzivanidis, Investigation of a High-Temperature Heat Pump for Heating Purposes, *Applied Sciences* 2023;13:2072
(<https://doi.org/10.3390/app13042072>)
- J199) P. Lykas, **E. Bellos**, D.N. Korres, A. Kitsopoulou, C. Tzivanidis, Energy, exergy, economic, and environmental (4E) analysis of a pumped thermal energy storage system for trigeneration in buildings, *Energy Advances* 2023;2:430-440
(<https://doi.org/10.1039/D2YA00360K>)
- J200) **E. Bellos**, D.N. Korres, C. Tzivanidis, Investigation of a Compound Parabolic Collector with a Flat Glazing, *Sustainability* 2023;15:4347
(<https://doi.org/10.3390/su15054347>)
- J201) **E. Bellos**, P. Lykas, C. Tzivanidis, Performance Analysis of a Zero-Energy Building Using Photovoltaics and Hydrogen Storage, *Applied System Innovation* 2023;6:43
(<https://doi.org/10.3390/asi6020043>)
- J202) A. Kitsopoulou, E. Bellos, P. Lykas, M.Gr. Vrachopoulos, C. Tzivanidis, Multi-objective evaluation of different retrofitting scenarios for a typical Greek building, *Sustainable Energy Technologies and Assessments* 2023;57:103156
(<https://doi.org/10.1016/j.seta.2023.103156>)
- J203) E. Bellos, P. Lykas, D. Tsimpoukis, D.N. Korres, A. Kitsopoulou, M.G. Vrachopoulos, C. Tzivanidis, Multicriteria Analysis of a Solar-Assisted Space Heating Unit with a High-Temperature Heat Pump for the Greek Climate Conditions, *Applied Sciences* 2023;13:4066
(<https://doi.org/10.3390/app13064066>)
- J204) **E. Bellos**, Progress in beam-down solar concentrating systems, *Progress in Energy and Combustion Science* 2023;97:101085
(<https://doi.org/10.1016/j.pecs.2023.101085>)
- J205) A. Kitsopoulou, A. Zacharis, N. Ziozas, **E. Bellos**, P. Iliadis, I. Lampropoulos, E. Chatzigeorgiou, K. Angelakoglou, N. Nikolopoulos, Dynamic Energy Analysis of Different Heat Pump Heating Systems Exploiting Renewable Energy Sources. *Sustainability* 2023;15:11054
(<https://doi.org/10.3390/su151411054>)
- J206) D. Tsimpoukis, E. Syngounas, **E. Bellos**, M. Koukou, C. Tzivanidis, S. Anagnostatos, M. Gr Vrachopoulos, Optimization analysis of Organic Rankine Cycle powered by waste heat

of a supermarket transcritical CO₂ multi-ejector refrigeration cycle, *Journal of Cleaner Production* 2023;418:138106

(<https://doi.org/10.1016/j.jclepro.2023.138106>)

J207) **E. Bellos**, P. Lykas, C. Sammoutos, A. Kitsopoulou, D. Korres, C. Tzivanidis, Thermodynamic investigation of a solar-driven organic Rankine cycle with partial evaporation, *Energy Nexus* 2023;11:100229

(<https://doi.org/10.1016/j.nexus.2023.100229>)

J208) C. Sammoutos, A. Kitsopoulou, P. Lykas, **E. Bellos**, C. Tzivanidis, Dynamic Investigation of a Solar-Driven Brayton Cycle with Supercritical CO₂, *Applied System Innovation* 2023;6:71

(<https://doi.org/10.3390/asi6040071>)

J209) **E. Bellos**, C. Tzivanidis, A detailed investigation of an evacuated flat plate solar collector, *Applied Thermal Engineering* 2023;234:121334

(<https://doi.org/10.1016/j.applthermaleng.2023.121334>)

J210) **E. Bellos**, Development of a Semi-Empirical Model for Estimating the Efficiency of Thermodynamic Power Cycles, *Sci* 2023;5:33

(<https://doi.org/10.3390/sci5030033>)

J211) M. Sidhareddy, S. Tiwari, **E. Bellos**, Investigation on regeneration of zeolite 13X-water adsorbent bed under vacuum condition: A computational approach, *Thermal Science and Engineering Progress* 2023;46:102243

(<https://doi.org/10.1016/j.tsep.2023.102243>)

J212) **E. Bellos**, P. Lykas, C. Tzivanidis, Thermodynamic investigation of a novel organic Rankine cycle including partial evaporation, dual-phase expander, flash tank, dry expander and recuperator for waste heat recovery, *Thermal Science and Engineering Progress* 2023;46:102244

(<https://doi.org/10.1016/j.tsep.2023.102244>)

J213) A. Kitsopoulou, **E. Bellos**, P. Lykas, C. Sammoutos, M.G. Vrachopoulos, C. Tzivanidis, A Systematic Analysis of Phase Change Material and Optically Advanced Roof Coatings Integration for Athenian Climatic Conditions, *Energies* 2023;16:7521

(<https://doi.org/10.3390/en16227521>)

J214) **E. Bellos**, Thermodynamic analysis of a Carnot battery unit with double exploitation of a waste heat source, *Energy Conversion and Management* 2024;299:117844

(<https://doi.org/10.1016/j.enconman.2023.117844>)

J215) A. Kitsopoulou, **E. Bellos**, C. Sammoutos, P. Lykas, M. Gr Vrachopoulos, C. Tzivanidis, A detailed investigation of thermochromic dye-based roof coatings for Greek climatic conditions, *Journal of Building Engineering* 2024;84: 108570

(<https://doi.org/10.1016/j.jobe.2024.108570>)

- J216) D.N. Korres, E. Bellos, C. Tzivanidis, An innovative asymmetrical CPC with integrated PCM as an in-line water heater, *Solar Energy* 2024;269:112342
(<https://doi.org/10.1016/j.solener.2024.112342>)
- J217) P. Lykas, **E. Bellos**, A. Kitsopoulou, C. Tzivanidis, Dynamic analysis of a solar-biomass-driven multigeneration system based on s-CO₂ Brayton cycle, *International Journal of Hydrogen Energy* 2024;59:1268-1286
(<https://doi.org/10.1016/j.ijhydene.2024.02.093>)
- J218) **E. Bellos**, A. Arabkoohsar, P. Lykas, C. Sammoutos, A. Kitsopoulou, C. Tzivanidis, Investigation of a solar-driven absorption heat transformer with various collector types for industrial process heating, *Applied Thermal Engineering* 2024;244:122665
(<https://doi.org/10.1016/j.applthermaleng.2024.122665>)
- J219) P. Lykas, **E. Bellos**, A. Kitsopoulou, C. Sammoutos, C. Tzivanidis, Electricity and hydrogen cogeneration: A case study simulation via the Aspen plus tool, *Energy* 2024;294:130903
(<https://doi.org/10.1016/j.energy.2024.130903>)
- J220) S. Pavlovic, **E. Bellos**, M. Grozdanovic, V. Stefanovic, M. Vukic, M.N. Ilic, C. Tzivanidis, Daily thermodynamic analysis of a solar dish-driven reheating organic Rankine cycle, *Thermal Science*, 2024;28(4B):3209-3218
(<https://doi.org/10.2298/TSCI230902055P>)
- J221) A. Kitsopoulou, N. Ziozas, P. Iliadis, **E. Bellos**, C. Tzivanidis, N. Nikolopoulos, Energy performance analysis of alternative building retrofit interventions for the four climatic zones of Greece, *Journal of Building Engineering* 2024;87:109015
(<https://doi.org/10.1016/j.jobe.2024.109015>)
- J222) N. Ziozas, A. Kitsopoulou, **E. Bellos**, P. Iliadis, D. Gonidaki, K. Angelakoglou, N. Nikolopoulos, S. Rucciuti, D. Viesi, ‘Energy Performance Analysis of the Renovation Process in an Italian Cultural Heritage Building’, *Sustainability* 2024;16(7):2784
(<https://doi.org/10.3390/su16072784>)
- J223) A. Kitsopoulou, D. Pallantzas, C. Sammoutos, P. Lykas, **E. Bellos**, M.Gr. Vrachopoulos, C. Tzivanidis, A comparative investigation of building rooftop retrofit actions using an energy and computer fluid dynamics approach, *Energy and Buildings* 2024;315:114326
(<https://doi.org/10.1016/j.enbuild.2024.114326>)
- J224) A. Kitsopoulou, D. Pallantzas, **E. Bellos**, C. Tzivanidis, Mapping the Potential of Zero-Energy Building in Greece Using Roof Photovoltaics, *Designs* 2024;8:68
(<https://doi.org/10.3390/designs8040068>)
- J225) D. Tsimpoukis, E. Syngounas, **E. Bellos**, M. Koukou, C. Tzivanidis, S. Anagnostatos, M.Gr. Vrachopoulos, Data-driven energy efficiency comparison between operating R744 and

R448A supermarket refrigeration systems based on hybrid experimental-simulation analysis, *Thermal Science and Engineering Progress* 2024;53: 102776

(<https://doi.org/10.1016/j.tsep.2024.102776>)

J226) A. Kitsopoulou, **E. Bellos**, C. Tzivanidis, An Up-to-Date Review of Passive Building Envelope Technologies for Sustainable Design, *Energies* 2024;17:4039

(<https://doi.org/10.3390/en17164039>)

J227) C. Sammoutos, **E. Bellos**, A. Kitsopoulou, P. Lykas, E. Vidalis, C. Tzivanidis, Optical, thermal and exergy analysis of a beam-down linear Fresnel reflector coupled with a flat plate receiver, *Solar Energy* 2024;282: 112949

(<https://doi.org/10.1016/j.solener.2024.112949>)

J228) **E. Bellos**, A review of organic Rankine cycles with partial evaporation and dual-phase expansion, *Sustainable Energy Technologies and Assessments* 2024;72:104059

(<https://doi.org/10.1016/j.seta.2024.104059>)

J229) Z. Said, **E. Bellos**, H.M. Ali, S. Rahman, C. Tzivanidis, Nanofluids, turbulators, and novel working fluids for heat transfer processes and energy applications: Current status and prospective, *Applied Thermal Engineering* 2025;258(A): 124478

(<https://doi.org/10.1016/j.applthermaleng.2024.124478>)

J230) P. Tzouganakis, **E. Bellos**, D. Rakopoulos, A. Skembris, N. Rogkas, Thermodynamic analysis of a solar-fed heat upgrade system using the reverse air brayton cycle, *Renewable Energy* 2025;238:121975

(<https://doi.org/10.1016/j.renene.2024.121975>)

15.2 Publication in Conference Proceedings (50 documents)

C1) S. Karellas, A.D. Leontaritis, G. Panousis, **E. Bellos**, E. Kakaras, Energetic and Exergetic analysis of waste heat recovery systems in the cement industry, In Proceedings of “The 25th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems”, 26-29 June 2012, Perugia, Italy

*C2) C. Tzivanidis, **E. Bellos**, Parametric analysis of a solar refrigeration system with parabolic trough collectors (PTC), In Proceedings of “Material and renewable energy Conference – (MRE)”, 1-3 July 2013, Athens, Greece

*C3) C. Tzivanidis, **E. Bellos**, Economotechnical comparison of Photovoltaic collectors and Solar thermal collectors for a roof in Athens, In Proceedings of “Material and renewable energy Conference – (MRE)”, 1-3 July 2013, Athens, Greece

*C4) C. Tzivanidis, **E. Bellos**, Parametric analysis of Phase Change Materials in buildings, In Proceedings of “6th International Conference from Scientific Computing to Computational Engineering”, Vol. II, 405-413, 9-12 July 2014, Athens, Greece

*C5) **E. Bellos**, C. Tzivanidis, I. Touris, Effect of thermal mass in the cooling and heating loads of buildings, In Proceedings of “6th International Conference from Scientific Computing to Computational Engineering”, Vol. I, 161-168, 9-12 July 2014, Athens, Greece

*C6) **E. Bellos**, C. Tzivanidis, A. Prassas, K.A. Antonopoulos, Modelling of a solar assisted heating system with TRNSYS, In proceedings of “Global Conference on Global Warming GCGW-15”, 24-27 May 2015, Athens, Greece

*C7) **E. Bellos**, C. Tzivanidis, A. Kouvari, K.A. Antonopoulos, Comparison of heating and cooling loads of a typical building with TRNSYS and Equest, In proceedings of “Global Conference on Global Warming GCGW-15”, 24-27 May 2015, Athens, Greece

*C8) **E. Bellos**, C. Tzivanidis, D. Korres, K.A. Antonopoulos, Thermal analysis of a flat plate collector with Solidworks and determination of convection heat coefficient between water and absorber, In Proceedings of “The 28th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems”, 30 June - 3 July 2015, Pau, France

*C9) **E. Bellos**, C. Tzivanidis, A. Delis, K.A. Antonopoulos, Comparison of a solar driven heat pump heating system with other typical heating systems with TRNSYS, In Proceedings of “The 28th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems”, 30 June - 3 July 2015, Pau, France

*C10) **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, Comparison of two solar driven absorption chillers for air-conditioning in Greece, In Proceedings of “6th International Conference on Experiments/Process/System Modelling/Simulation/Optimization”, Vol. I, 133-140, 8-11 July 2015, Athens, Greece

*C11) **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, Thermal performance of a direct-flow coaxial evacuated tube with solidworks flow simulation, In Proceedings of “6th International Conference on Experiments/Process/System Modelling/Simulation/Optimization”, Vol. II, 505-513, 8-11 July 2015, Athens, Greece

C12) S.R. Pavlovic, V. Stefanovic, **E. Bellos**, Design and Simulation of a Solar Dish Concentrator with Spiral-Coil Smooth Thermal Absorber, In Proceedings of “8th International Symposium on Renewable Energy Exploitation of Energy Sources”, 88-95, 3 March - 2 April 2016, Subotica, Serbia

*C13) **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos Optical Performance and Optimization of Two Stationary Compound Parabolic Collectors (CPC), In Proceedings of “World Congress on Momentum, Heat and Mass Transfer (MHMT’16)”, paper no. 101, 4-5 April 2016, Prague, Czech Republic

*C14) **E. Bellos**, C. Tzivanidis, N. Zervas, G. Mitsopoulos, K.A. Antonopoulos, Energetic and Financial Comparison between a 1-Stage Absorption Chiller Driven by FPC and a 2-Stage Absorption Chiller Driven by PTC, In Proceedings of “World Congress on Momentum, Heat and Mass Transfer (MHMT’16)”, paper no. 102, 4-5 April 2016, Prague, Czech Republic

C15) I. Alexopoulos, C. Tzivanidis, **E. Bellos**, G. Mitsopoulos, D. Korres, Thermal Behavior of a Building Simulation using COMSOL, In Proceedings of “7th International Conference from Scientific Computing to Computational Engineering”, Vol. II, 409-413, 6-9 July 2016, Athens, Greece

C16) G. Mitsopoulos, **E. Bellos**, C. Tzivanidis, I. Alexopoulos, D. Korres, The Impact of Insulation Thickness in Various Greek Cities, In Proceedings of “7th International Conference from Scientific Computing to Computational Engineering”, Vol. II, 385-394, 6-9 July 2016, Athens, Greece

*C17) **E. Bellos**, C. Tzivanidis, G. Mitsopoulos, I. Alexopoulos, Energetic, Exergetic and Financial Evaluation of Concentrating and No-Concentrating Solar Collectors, In Proceedings of “7th International Conference from Scientific Computing to Computational Engineering”, Vol. I, 138-146, 6-9 July 2016, Athens, Greece

C18) E. Tzinnis, **E. Bellos**, C. Tzivanidis, Parametric Analysis of a Solar Cooling system Designed for Athens Climate, In Proceedings of “EinB2016 - 5th International Conference ENERGY in BUILDINGS 2016”, 119-130, 12 November 2016, Athens, Greece

*C19) **E. Bellos**, C. Tzivanidis, K.A. Antonopoulos, Solar assisted heat pump space heating systems in Athens - An energetic and financial analysis, In Proceedings of “EinB2016 - 5th International Conference ENERGY in BUILDINGS 2016”, 41-48, 12 November 2016, Athens, Greece

C20) S. Pavlovic, **E. Bellos**, V. Stefanovic, C. Tzivanidis, Experimental and numerical investigation of a solar dish collector with spiral absorber, In Proceedings of “13th International Conference on Accomplishments in Mechanical and Industrial Engineering - (DEMI 2017)”, 217-225, 26-27 May 2017, Banja Luka, Bosnia and Herzegovina

C21) M. Plytaria, C. Tzivanidis, **E. Bellos**, K.A. Antonopoulos, Thermal analysis of a building in Athens with phase change materials in roof using simulation program TRNSYS 17, In Proceedings of “7th International Conference on Experiments/Process/System Modelling/Simulation/Optimization”, Vol. II, 509-518, 5-8 July 2017, Athens, Greece

*C22) **E. Bellos**, C. Tzivanidis, M. Plytaria, Analytical Expression for Thermal Efficiency Coefficients of Parabolic Trough Collectors, In Proceedings of “7th International Conference on Experiments/Process/System Modelling/Simulation/Optimization”, Vol. I, 67-74, 5-8 July 2017 Athens, Greece

C23) G. Mitsopoulos, **E. Bellos**, C. Tzivanidis, The insulation thickness as a design parameter in Greek climate, In Proceedings of “EinB2017 – 6th International Conference ENERGY in BUILDINGS 2017”, 99-108, 12 October 2017, Athens, Greece

*C24) **E. Bellos**, C. Tzivanidis, Thermodynamic Investigation of an Innovative Solar Driven Trigenation System Ideal for the Building Sector, In Proceedings of “EinB2017 - 6th International Conference ENERGY in BUILDINGS 2017”, 109-118, 12 October 2017, Athens, Greece

C25) S. Pavlovic, **E. Bellos**, V. Stefanovic, M. Djordjevic, D. Vasiljevic, Thermal and exergetic investigation of an innovative solar dish concentrator with spiral cavity, In Proceedings of “18th International Symposium on Thermal Science and Engineering of Serbia - (Simterm 2017)”, 641-650, 17-20 October 2017, Sokobanja, Serbia

*C26) **E. Bellos**, C. Tzivanidis, G. Tsifis, Energetic, Exergetic and financial evaluation of a cascade absorption-compression refrigeration system driven by solar energy, In Proceedings of “11th National Conference of soft energy sources”, Vol. B(2), 907-918, 14-16 March 2018, Thessaloniki, Greece (In Greek)

*C27) **E. Bellos**, C. Tzivanidis, Energetic and exergetic evaluation of a hybrid PV operating with nanofluids in yearly basis, In Proceedings of “11th National Conference of soft energy sources”, Vol. B(2), 1193-1203, 14-16 March 2018, Thessaloniki, Greece (In Greek)

C28) S. Pavlovic, **E. Bellos**, V. Stefanovic, C. Tzivanidis, Comparison of a conical and a spiral absorber for a solar dish collector, in Proceedings of “10th International Symposium on Exploitation of Renewable Energy Sources and Efficiency”, 39-44, 5-7 April 2018, Subotica, Serbia

C29) M.Th. Plytaria, C. Tzivanidis, I. Alexopoulos, **E. Bellos**, K.A. Antonopoulos, Application of Phase Change Materials on the underfloor heating system of a building in Athens using TRNSYS simulation software, In Proceedings of “The 31st International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems”, 17-22 June 2018, Guimaraes, Portugal

C30) G. Mitsopoulos, **E. Bellos**, C. Tzivanidis, S. Anagnostatos, E. Papanikolaou, Multi-criteria evaluation of a solar assisted heating system for various building envelopes, In Proceedings of “The 31st International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems”, 17-22 June 2018, Guimaraes, Portugal

C31) G. Mitsopoulos, E. Syngounas, **E. Bellos**, C. Tzivanidis, S. Anagnostatos, Experimental and Numerical Evaluation of a Supermarket Refrigeration System, In Proceedings of “The 31st International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems”, 17-22 June 2018, Guimaraes, Portugal

C32) M.Th. Plytaria, C. Tzivanidis, **E. Bellos**, I. Alexopoulos, K.A. Antonopoulos, The impact of phase change materials in the heating and the cooling loads of a building, In Proceedings of “8th International Conference from Scientific Computing to Computational Engineering”, Vol. II, 386-395, 4-7 July 2018 Athens, Greece

*C33) **E. Bellos**, C. Tzivanidis, N. Nikolaou, G. Mitsopoulos, Yearly Performance of a Cogeneration System with Nanofluid-based Thermal Photovoltaic Coupled to a Heat Pump, In Proceedings of “EinB2018 - 7th International Conference ENERGY in BUILDINGS 2018”, 115-124, 3 November 2018, Athens, Greece

C34) S. Pavlovic, **E. Bellos**, V. Stefanovic, M. Lakovic, B. Drobnjakovic, C. Tzivanidis, Energy and Exergy Design of a Solar Thermal System with Phase Change Materials, In Proceedings of “19th Conference on Thermal Science and Engineering of Serbia - (Simterm 2019)”, 269-278, 22–25 October 2019, Sokobanja, Serbia

C35) S. Pavlovic, V. Stefanovic, **E. Bellos**, C. Tzivanidis, Solar Thermal Collector Efficiency Map: A New Evaluation Tool, In Proceedings of “The 5th International conference mechanical engineering in XXI century - (MASING)”, 43-46, 9-10 December 2020, Faculty of Mechanical Engineering in Nis, Serbia

C36) S. Pavlovic, **E. Bellos**, V. Stefanovic, M. Ilic, M. Grozdanovic, C. Tzivanidis, The use flat plate collectors in a pumped thermal energy storage latent system, In Proceedings of “15th International Conference on Accomplishments in Mechanical and Industrial Engineering - (DEMI 2021)”, 210-215, 28-29 May 2021, Banja Luka, Bosnia and Herzegovina

C37) **E. Bellos**, C. Tzivanidis, Polygeneration systems driven by renewable energy sources – A critical mini review for the units with organic Rankine cycles, In Proceedings of “6th International Conference on Polygeneration”, 351-359, 4-6 October 2021 Zaragoza, Spain

C38) **E. Bellos**, C. Tzivanidis, Yearly dynamic investigation of a solar-trigeneration unit in Athens by using TRNSYS software, In Proceedings of “6th International Conference on Polygeneration”, 360-370, 4-6 October 2021 Zaragoza, Spain

C39) S. Pavlovic, **E. Bellos**, M. Grozdanovic, V. Stefanovic, M. Vukic, M. Lakovic-Paunovic, C. Tzivanidis, Dynamic analysis of a solar dish concentrating collector coupled to an organic Rankine cycle with reheating, In Proceedings of “20th International Conference on Thermal Science and Engineering of Serbia”, 169-176, 18-21 October 2022, Niš, Serbia

C40) P. Lykas, A. Kitsopoulou, **E. Bellos**, C. Tzivanidis, Investigation of a solar-driven cogeneration unit for power and hydrogen production via Aspen plus software, In Proceedings of “International Journal of Polygeneration 2023”, 26-28 July 2023, Kuta, Bali, Indonesia

- C41) P. Lykas, A. Kitsopoulou, **E. Bellos**, C. Tzivanidis, Parametric investigation of a CO₂-based polygeneration system driven by renewable energy sources, In Proceedings of “International Journal of Polygeneration 2023”, 26-28 July 2023, Kuta, Bali, Indonesia
- C42) A.M. Daabo, S.S. Ibrahim, S. Pavlovic, **E. Bellos**, M. Grozdanovic, M.N. Ilic, A new Methodology for Enhancing Solar Flux in Solar Thermal Receiver Using Ray Tracing Techniques, In Proceedings of “The 6th International Conference Mechanical Engineering in XXI Century”, 283-287, 14-15 December 2023, Niš, Serbia
- C43) M. Brborić, B. Nakomčić-Smaragdakis, S. Pavlović, **E. Bellos**, M. Gvozdenović, M.T. Sakulića, Tracking brominated flame retardant patterns in danube bottom sediment: multivariate statistical approach, In Proceedings of “The 6th International Conference Mechanical Engineering in XXI Century”, 295-298, 14-15 December 2023, Niš, Serbia
- C44) P. Tzouganakis¹, **E. Bellos**, D. Rakopoulos, A. Skembris, N. Rogkas, Thermodynamic analysis of a solar-fed heat upgrade system using the reverse air Brayton cycle, In Proceedings of “Alternative Energy Sources, Materials & Technologies (AESMT’24)”, 13-15 May 2024, Sofia, Bulgaria
- *C45) **E. Bellos**, P. Iliadis, A. Kitsopoulou, N. Ziozas, I. Lampropoulos, N. Nikolopoulos, Energy investigation of upgrading a student dormitory building exploiting solar and geothermal energy sources using the detailed dynamic simulation software INTEMA.BUILDING, In Proceedings of “13th National Conference of soft energy sources”, 15-17 May 2024, Athens, Greece
- C46) A. Kitsopoulou, **E. Bellos**, P. Lykas, C. Sammoutos, M. Gr. Vrachopoulos, C. Tzivanidis, A systematic analysis of pcm and optically advanced roof coatings integration for Athenian climatic conditions, In Proceedings of “13th National Conference of soft energy sources”, 15-17 May 2024, Athens, Greece
- C47) C. Sammoutos, P. Lykas, A. Kitsopoulou, **E. Bellos**, C. Tzivanidis, Dynamic modeling of a solar central receiver coupled to a supercritical brayton power cycle, In Proceedings of “13th National Conference of soft energy sources”, 15-17 May 2024, Athens, Greece
- C48) M. Brboric, B. Nakomčić-Smaragdakis, D. Šljivac, S. Pavlović, **E. Bellos**, M. Ilić M, Assessment of indoor environmental quality in modern office spaces: impacts on health and productivity, In Proceedings of “2nd EUROSA Conference 2024”, 15-18 May 2024, Vrnjačka Banja, Serbia
- C49) **E. Bellos**, C. Sammoutos, P. Lykas, A. Kitsopoulou, I. Alexopoulos, A. Arabkoohsar, C. Tzivanidis, A mini-review of industrial waste sources, efficiency enhancement techniques, and heat upgrade solutions with an emphasis on thermochemical processes, In Proceedings of “The 37th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems”, 2066 – 2077, 30 June - 5 July, 2024, Rhodes, Greece (<https://doi.org/10.52202/077185-0177>)

C50) **E. Bellos**, C. Sammoutos, P. Lykas, A. Kitsopoulou, I. Alexopoulos, A. Arabkoohsar, C. Tzivanidis, Thermodynamic analysis of a solar-driven absorption heat transformer for industrial process heat, In Proceedings of “The 37th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems”, 2078 – 2089, 30 June - 5 July, 2024, Rhodes, Greece (<https://doi.org/10.52202/077185-0178>)

15.3 Publications in Book Chapters / Books (8 documents)

B1) **E. Bellos**, C. Tzivanidis, A. Kouvari, K.A. Antonopoulos, Comparison of Heating and Cooling Loads of a Typical Building with TRNSYS and eQUEST, Energy, Transportation and Global Warming, Springer, January 2016, 327-338

(ISBN: 978-3-319-30126-6)

(DOI:10.1007/978-3-319-30127-3_25)

B2) **E. Bellos**, C. Tzivanidis, A. Prassas, K.A. Antonopoulos, Modelling of a Solar Assisted Floor Heating System with TRNSYS, Energy, Transportation and Global Warming, Springer, January 2016, 355-369

(ISBN: 978-3-319-30126-6)

(DOI:10.1007/978-3-319-30127-3_28)

B3) C. Tzivanidis, **E. Bellos**, Solar Energy Utilization in Buildings, In book: Renewable Energy Engineering: Solar, Wind, Biomass, Hydrogen and Geothermal Energy Systems, Bentham Science, Chapter 3, 2018;119-165

(ISBN: 978-1-68108-720-7)

(DOI:10.2174/9781681087191118030005)

B4) Participation in the editing of the translation in Greek of the book: I. Dincer, Refrigeration Systems and Applications, Tziolas, 2020

(ISBN: 978-960-418-750-8)

B5) Participation in the editing of the translation in Greek of the book: D.Y. Goswami, Principles of solar engineering, Tziolas, 2020

(ISBN: 978-960-418-881-9)

B6) A. Seitaridis, I. Mamounakis, N. Tagkoulis, P. Iliadis, **E. Bellos**, C. Papalexis, V. Sougakis, N. Nikolopoulos, An Innovative Software Platform for Efficient Energy, Environmental and Cost Planning in Buildings Retrofitting, Artificial Intelligence Applications and Innovations, AIAI 2022 IFIP WG 12.5 International Workshops, Springer 2022;217-228

(ISBN 978-3-031-08340-2)

(https://doi.org/10.1007/978-3-031-08341-9_18)

B7) Z. Said, M.A. Sohail, **E. Bellos**, Nanotechnology for Heat Transfer. In Nanotechnology Applications for Solar Energy Systems, M. Sheikholeslami (Ed.), 2023:71-96

(Print ISBN:9781119791140) (Online ISBN:9781119791232)

(<https://doi.org/10.1002/9781119791232.ch4>)

B8) **E. Bellos**, Z. Said, C. Tzivanidis, Nanofluids in Linear Fresnel Reflector. In Nanotechnology Applications for Solar Energy Systems, M. Sheikholeslami (Ed.), 2023:99-124 (Print ISBN:9781119791140) (Online ISBN:9781119791232)

(<https://doi.org/10.1002/9781119791232.ch5>)

16. APPENDIX II – LIST OF ATTENDANCE AT CONFERENCES

I have presented my work at the following conferences:

“Material and Renewable Energy Conference – (MRE)”

1-3 July 2013, Athens, Greece

“6th International Conference from Scientific Computing to Computational Engineering”

9-12 July 2014, Athens, Greece

“Global Conference on Global Warming GCGW-15”

24-27 May 2015, Athens, Greece

“The 28th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems”

30 June - 3 July 2015, Pau, France

“6th International Conference on Experiments/Process/System Modelling/Simulation/Optimization”

8-11 July 2015, Athens, Greece

“World Congress on Momentum, Heat and Mass Transfer (MHMT’16)”

4-5 April 2016, Prague, Czech Republic

“7th International Conference from Scientific Computing to Computational Engineering”

6-9 July 2016, Athens, Greece

“EinB2016 - 5th International Conference ENERGY in BUILDINGS 2016”

12 November 2016, Athens, Greece

“7th International Conference on Experiments/Process/System Modelling/Simulation/Optimization”

5-8 July 2017, Athens, Greece

“EinB2017 – 6th International Conference ENERGY in BUILDINGS 2017”

12 October 2017, Athens, Greece

“11th National Conference of Soft Energy Sources”

14-16 March 2018, Thessaloniki, Greece

“EinB2018 - 7th International Conference ENERGY in BUILDINGS 2018”

3 November 2018, Athens, Greece

“6th International Conference on Polygeneration”

4-6 October 2021 Zaragoza, Spain

“13th National Conference of Soft Energy Sources”

15-17 May 2024, Athens, Greece