



Myrto Terpsiadou

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EDUCATION AND TRAINING

BSc in Physics

Aristotle University of Thessaloniki, School of Physics [2023 - Current]

EXPERIENCE

Educator - Preparation of students for national and international STEM competitions [2022-Current, Hellenic Physical Society]

Team Leader (mentor) and educator for the year-round preparation of students in the following competitions:

International:

- International Young Naturalists' Tournament
- International Young Physicists' Tournament
- Cup of Experimental Sciences
- EJT competition

National:

- Hellenic Young Naturalists' Tournament
- Hellenic Young Physicists' Tournament
- Young Physicists' League

Wolfram Student Ambassador

[02/2024-Current]

Student ambassador at Wolfram. Experience includes the publication of Computational essays in Wolfram community, completing projects with the help of Wolfram language and being present in the Wolfram community.

Teacher of Physics and Mathematics

[2024-2025, Laskaridis after school learning center]

Teacher of Physics, Algebra, Geometry, and Mathematics for secondary school students.

Educator in Science Workshops in Thessaloniki, Athens, Larisa

[2023-Current, Hellenic Physical Society]

Student STEM workshops:

- Demonstrating and conducting experiments
- Lectures and presentations on STEM fields (physics/chemistry)

Educator in Physics Summer School

[2023-Current, Hellenic Physical Society]

Physics summer school for elementary, and secondary school students:

- Demonstration and teaching of various physics experiments
- Activities with students on the school syllabus

Sci-Bridges Co-founder and President

[2023-2024]

Sci-Bridges is an international educational organization whose mission is to democratize access for students worldwide to international STEM competitions and other activities by providing free mentoring, online material and guidance, while helping students explore opportunities in various fields.

LANGUAGE SKILLS

Mother tongue: Greek **Other languages:** English (C2) , French (B2) , German (B2)

PUBLICATIONS & ARTICLES

“Using Discrepant Events to Teach the Center of Mass: A Structured Inquiry Approach with the 5E Model”

[EPJ Web of Conferences 365, 07002 (2026) <https://doi.org/10.1051/epjconf/202636507002>]

“Wolfram Model: The Universe as an “Algorithm”

[Phenomenon, Physics Magazine of A.U.Th., ISSN: 2529-1874/2529-1882 (online)]

CONFERENCES AND SEMINARS

12th International Congress of the Balkan Physical Union in Bucharest, Romania

[08/07/2025-12/07/2025, Balkan Physical Union]

- Conference attendance
- Oral presentation titled "Using Discrepant Events to Teach the Center of Mass: A Structured Inquiry Approach with the 5E Model" (Physics Education Session)

Bucharest, Romania EPS-TIG "Frontier of Quantum Technologies" Summer School

[09/07/2025-12/07/2025, European Physical Society]

- Attendance at the hands-on activities and presentation of an educational kit on quantum physics.
- Visit to ELI-NP research facility and participation in hands-on activities

20th Physical Sciences Seminar Speaker

[15/01/2026, Cyprus Pedagogical Institute]

Speaker at the seminar for STEM educators organized by the CPI, on the approach of structured inquiry learning using modern techniques.

Language and Mathematics, connections and interactions conference

[11/2025, University of Macedonia]

Digital transformation for educational innovation and inclusion conference

[11/2023, Chemistry Department of the Aristotle University of Thessaloniki]

Approaching Chemistry teaching in secondary education with innovative educational technologies

[10/2022, Chemistry Department of the Aristotle University of Thessaloniki]

27th Summer Astronomy Conference at the National Observatory of Athens

[09/2022, National Observatory of Athens]

HONOURS AND AWARDS

Medals as Team Leader, Honors as Juror in International Student Competitions

[2022-Current, IYNT, IYPT, Hellenic Physical Society]

Honors as Team Leader:

- Bronze Medal (International Young Naturalists' Tournament 2024 in Batumi, Georgia)
- Bronze Medal (Hellenic YNT 2025)

Honors as Juror:

- IYNT 2025 in Almaty, Kazakhstan
- IYNT 2024 in Batumi, Georgia
- Cup of Experimental Sciences 2024 in Batumi, Georgia
- IYNT Workshops in Sofia, Bulgaria (2022-Current)
- IYPT Workshops in Sofia, Bulgaria (2024-Current)
- Hellenic YNT (2023-Current)

Medals as Participant in International Student Competitions

[2020-2022, IYNT, IYPT, Hellenic Physical Society]

Honors as Team Captain:

- Chosen as Captain of the National Physics Team (International Young Physicists' Tournament 2022 in Timisoara, Romania)
- Bronze medal (International Young Naturalists' Tournament 2021 in Almaty, Kazakhstan)
- Gold medal (Hellenic YNT 2021)
- Bronze medal (Hellenic YNT 2020)

Honors as Team Participant:

- Bronze medal (IYNT 2020 in St. Petersburg, Russia)

VOLUNTEERING

Municipal learning center teacher

[26/09/2025, Thessaloniki Municipality]

Volunteer physics teacher at a municipal after-school learning center for low-income students.

AUTh on Sunday

[5/2026, Aristotle University of Thessaloniki]

Volunteer educator at the university's public outreach event where there are opens labs, museums, and activities to the public, often involving experiments, workshops, and science communication.

Thessaloniki CS15: Science and crime-solving

[04/2025, Laboratory Center of Physical Sciences (EKFE)]

Part of the scientific support team for the students' competition "CSI5"