

International Study Visit, Vienna 10-13 Dec 2019



Yıldız Technical University

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International Study Visits of TARAL to EU Key Players

Description of the Organization

General Information:

- Yıldız Technical University is one of the seven government universities situated in İstanbul besides being the 3rd oldest university of Turkey with its history dating back to 1911.
- It is regarded as one of the best *research and development-oriented* universities in the country as well.
- Yıldız Technical University has 10 Faculties and 4 Research Institutes,, 1700 academic personnel, 800 administrative personnel, and more than 30.000 students.

EU Project Experience:

- Yıldız Technical University managed, coordinated, and partnered many Erasmus +, Lifelong Learning Program, and FP7 Projects (e.g., Active And Passive Microwave And Millimeter Wave Systems For Security And Subsurface Imaging, Empowering Trans-Mediterranean Renewable Energy Research Alliance For Europe 2020 Challenges.

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Description of your research interests

- **Research Areas:**

- STEM Education, Science Education, Science Communication, Citizen Science

- **Research Team:**

- Mustafa Sami Topçu, Professor of Science Education, Yıldız Technical University, Istanbul, Turkey
- Ayşe Çiftçi, Doctoral Student of Science Education, Yıldız Technical University, Istanbul, Turkey
- Emine Sarıkaya, Doctoral Student of Science Education, Yıldız Technical University, Istanbul, Turkey
- Benzegül Çelik, Doctoral Student of Science Education, Yıldız Technical University, Istanbul, Turkey

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R&D References

INTERNATIONAL PROJECT EXPERIENCE

- **National Science Foundation (NSF) Project (2016-2017).**
- **Role:** Co-Principal Investigator (**Co-PI**).
- **Project Title:** Reducing Achievement Gaps in Science, Technology, Engineering and Mathematics (STEM): Promising International Research, Policies and Practices.
- **Funding Agency:** National Science Foundation (USA)
- **Award Number:** 1643308

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R&D References

COST (European Cooperation in Science & Technology)

ACTIVE ROLES:

1. MC Member from Turkey to COST Action [CA17127](#)

- **Action Title:** “Building on scientific literacy in evolution towards scientifically responsible Europeans”

2. Independent External Expert for a project of COST Open Call OC-2019-1.

- **Rapporteur for** The Consensus Evaluation Report of the same project

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R&D References

- **HORIZON 2020 PROJECT EXPERIENCE (4 PARTICIPATION)**

Topic: SwafS-01-2018-2019 (**Open schooling and collaboration on science education**)

Proposal acronym: Fit4STEM

Proposal title: Creating Open and Active Learning Environments in Marginalized Urban Communities and Rural Areas affected by Brain Drain

Proposer: SYNYO GmbH

Project Partner: Yıldız Technical University

Evaluation Summary Report: Total score: **8.00/15.00**

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R&D References

- **Topic:** SwafS-01-2018-2019 (**Open schooling and collaboration on science education**)
- **Proposal acronym:** BrainGain
- **Proposal title:** Creating Open and Active Learning Environments in Marginalized Urban Communities and Rural Areas affected by Brain Drain
- **Proposer:** SYNYO GmbH
- **Project Partner:** Yıldız Technical University
- **Evaluation Summary Report:** Total score: **6.5/15.00**

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R&D References

- **Topic:** SwafS-13-2017 (**SwafS-13-2017: Integrating Society in Science and Innovation – An approach to cocreation**)
- **Proposal acronym:** CREATE2GATHER
- **Proposal title:** Developing novel Digital and Non-Digital Co-Creation Tools for a better Integration of Society in Science and Innovation
- **Proposer:** SYNYO GmbH
- **Project Partner:** Yıldız Technical University
- **Evaluation Summary Report:** Total score: **12/15.00**

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R&D References

- **Topic:** SwafS-11-2017 (**SwafS-11-2017: Science education outside the classroom**)
- **Proposal acronym:** WeLearnEverywhere
- **Proposal title:** Analysing the effects and Measuring the Effectiveness and Impacts of Informal Science Education in Europe and beyond
- **Proposer:** SYNYO GmbH
- **Project Partner:** Yıldız Technical University
- **Evaluation Summary Report:** Total score: **13.5/15.00**

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Specific Topics and Calls

As a project partner, the specific topics and calls I am interested in :

- Open schooling and collaboration on science education (SwafS-01-2018-2019-2020)
- Science education outside the classroom (SwafS-24-2020)
- Taking stock and re-examining the role of science communication (SwafS-19-2018-2019-2020)
- Grounding RRI in society with a focus on citizen science (SwafS-23-2020)
- Hands-on citizen science and frugal innovation (SwafS-27-2020)

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