



**GIREP-EPEC**  
**3–7 July 2023**  
Košice, Slovakia

*GIREP-EPEC conference 2023*  
*Physics learning promoting culture*  
*and addressing societal issues*

Contribution ID: 121

Type: **Oral presentation**

## Teachers' perspectives and practices on teaching the properties of matter

*Wednesday 5 July 2023 16:40 (20 minutes)*

This study aimed to investigate the practices, and perspectives of in-service elementary and middle school teachers in Italy (N=74) and Turkey (N=56) regarding the properties of matter. A new questionnaire was created and used to collect data. Results showed that teachers in both countries mainly focused on the temperature in change of state. Their least concern was on magnetic susceptibility and latent heat. In teaching Turkish teachers preferred giving examples, while Italian teachers preferred argumentation. The Likert-type questionnaire showed that Turkish teachers had a higher average score than Italian teachers on both their opinions and practices regarding teaching the subject.

### How would you like to present your contribution?

Live in Košice (time slot to be allotted based on the programme)

### Target education level (primary)

Primary school education

### Target education level (secondary, optional)

Lower-secondary education

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**Session Classification:** Innovative strategies at school

**Track Classification:** Innovative strategies and pathways to improve physics education at school