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Type: **Poster**

Some experiments to teach the physical bases of the greenhouse effect: thermal emission and selective absorption

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The understanding of the anthropic greenhouse effect (GHE) rests on two key concepts, namely thermal emission and the interaction of different kinds of electromagnetic radiation with different kinds of matter. A survey of the existing Physics Education research concerning the GHE and climate change shows that students have in general a poor understanding of such concepts. In this work, we present some experiments designed to foster their learning. We shall moreover show how the learning outcomes of the students have improved after the incorporation of these experiments in a pre-existing teaching-learning sequence focused on the physical bases of the GHE.

How would you like to present your contribution?

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

Target education level (primary)

Upper-secondary education

Target education level (secondary, optional)

Lower-secondary education

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