

# Teaching Physics through History of Science and Historical Experiments

**Collection Editor: Aristotelis Gkiolmas**

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## **Description**

The book describes methodologies, frameworks and rationales for the instruction on issues of Physics. The aforementioned methods are based (i) on historical events of this science, as well as (ii) on the didactical transformation (not excluding ICT's simulations and models) of famous experiments in the history of Physics and (iii) on the narratives of the protagonists (the scientists) themselves, as the latter are described in the historical documents and textbooks of Physics.

## **About the Editor**

Aristotelis Gkiolmas obtained a Bachelor (B.Sc.) in Physics from the Physics' Department of the University of Athens, Greece, in 1992. He later obtained a Masters' Degree (M.Ed.) from the Department of Education of the same University on "Science in Education" and a PhD from the same Department in the area of Teaching about Complex Systems in Nature. He has published extensively in Science Education, with or without the use of ICT's, focusing on the areas of Chaos, Complexity and wave-particle properties of matter.

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All chapters submitted should conform to the grammar and formatting guidelines provided by Cambridge Scholars Publishing, which can be viewed here: <https://www.cambridgescholars.com/pages/forms-guidelines>;

Unless agreed with the Editor prior to submission, referencing should be in Chicago;

Any work submitted for publication should be free of copyright restrictions and a statement should be submitted in support of this;

Contributions should be scholarly rather than anecdotal or unverifiable;

Contributions must be wholly in English, excluding footnotes, appendices and short extracts for translation;

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