## Federal University of Bahia



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# **Technology in the physics** classroom: the Brazilian landscape

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## INTRODUCTION

Claims for the use of technology in the classroom have been long documented in PER. The effective use of technology, however, can vary across countries. In this presentation, we review the use of technology in Brazil through physics education literature.

## **METHODS**

Literature review looking at high impact publications in Brazilian physics education journals from the last decade (2010-2018).

#### FINDINGS

- 53 papers in 12 journals, from a total of 20 Journals.
- There was a major peak of publications in 2012, partly due to a special edition in that year, and a smaller one in 2015.
- Most papers are on simulations and modeling or virtual learning environments.
- There is not a consensus about what simulations are. Some papers based their definition on the presence of interactivity while others said a simulation could have no interactivity.



Year	Papers
2010	2
2011	1
2012	24
2013	3
2014	4

Year	Papers
2015	7
2016	5
2017	4
2018	3

Despite the increase OT technology in daily life, the of technology In USe classrooms is not reflected Brazilian physics In education publications.





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24% 68% Focus in Physics

Focus in Science Education in general



Good theory base Medium theory base Low or none theory base



- Virtual labs
- Smartphones



