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Creativity through game-based learning at  
higher education



## Diego Pablo Ruiz Padillo

**Prof. Dr. Diego Pablo Ruiz Padillo** teaches in the Faculty of Sciences, University of Granada.

PhD in Physics from the University of Granada (Spain). He is currently Professor at the Faculty of Sciences of the University of Granada. He held the PhD in Physics with honors from the University of Granada.

Teaching experience. He has taught and supervised teaching undergraduate, master's and doctoral courses in Environmental Science, Chemistry, Physics, Biology, Mathematics, Telecommunications Engineering, Architecture, Civil Engineering and Computer Engineering degrees. Among the master's course teaching, he coordinated subjects and teaching courses in the Masters of Environmental Engineering, Acoustic Engineering, Occupational Risk Prevention and Management and Integral Safety Building. He also participated or coordinated more than 35 innovation educational projects from 2005 to present and he received the Teaching Excellence Award in 2017.

Management experience: He is the coordinator of the Physics and Environmental Acoustics Research group at the University of Granada and departmental coordinator mobility programs. He is currently coordinator of the Master in Engineering Acoustics: Noise Pollution. He is academic secretary in the National Agency for Quality Assessment and Accreditation of Spain, ANECA, from 2008 in the committees for ex-ante, follow-up or monitor and ex-post accreditation official degrees according to EHEA criteria, and the assessment for quality International labels.

Research experience: He has authored more than 140 articles in international journals (80 in JCR indexed journals) in Engineering and Science topics and more than 150 publications in national and international conferences. He has been the advisor of 10 doctoral thesis with the higher marks, more than 78 or final degree / masters research projects, and



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has been the main researcher of 7 research projects and member of 17 research projects. He is a member of the editorial board of scientific journals or societies such as IEEE, Elsevier, IET, and member of the scientific committee of several international and national congresses. In terms of transfer and innovation, he is the director of 9 research/development contracts with companies or public institutions and collaborated in the creation of two technology-based companies.

Experience in research projects related to Erasmus networks and international projects. Participation and coordination of two international projects related to the scientific dissemination funded by EU or FECYT (Spain). Coordination of 3 projects related to the articulation of educational networks funded by EU or the Spanish Agency of International Cooperation. Member of three TEMPUS Joint Projects funded by EACEA from 2008 to 2017. Expert Member and researcher in the projects HOPE "Horizons in Physics Education" from EU Erasmus Program CALOHEE "Measuring and Comparing Achievements of Learning Outcomes in Higher Education in Europe." Forward-Looking Cooperation Projects. 2016-2018 and CALOHEE2.

