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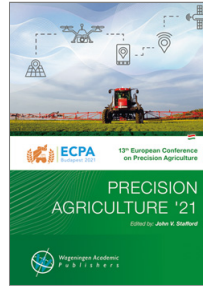
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97. Teaching precision farming and entrepreneurship for European students: Sparkle online course

C. Valero, A. Krus, P. Barreiro, B. Diezma, M. Garrido-Izard, N. Hernández, G. Moreda, E.C. Correa, J.J. Ramírez, B. Muñoz, A. Moya, L. Lleó, J.R. Marqués Da Silva, M. Correia, A.C. Gonçalves, A. Sousa, F. Baptista, J. Serrano, L.L. Silva, V. Fitas da Cruz, A. Ribeiro, J. Karouta, D. Andujar, J.M. Bengochea-Guevara, A. Guadagni, U. Pascucci, M. Pérez-Ruiz, J. Martínez, M. Díaz, M. Vieri, V. De Pascale, S. Lombardo, D. Sarri, R. Lisci, T. Bourmaris, E. Loizou, S. Nastis, M. Partalidou, D. Lazaridou, A. Paltaki, A. Michailidis, R. Apreda, D. Gabelloni, D. Brugnoli, J Coimbra, N. Tomé, F. Puleo, G. Pulignani

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Abstract References Full-text

Abstract:

Within the framework of the European project named 'SPARKLE', an online course was created after studying educational needs on precision agriculture (PA), state of the art of technologies and a prospective study of the commercial sector. Five educational and research institutions, high-tech farms and enterprises specializing in technology transfer created the syllabus of the course and the platform contents. The course was designed to provide 30 h of student dedication, via online presentations, documents and videos for each topic. A free pilot course started in April 2020 and 385 students from Italy, Portugal, Greece & Spain enrolled. To trace performance and acquisition of competences, questionnaires were completed by students for each topic and a final overall test. Students' opinions about the course were also registered using anonymous polls, and results evaluated, to be able to enhance the Sparkle course for subsequent editions. Students also took part in a business model competition, to solve real challenges proposed by farms, related to the use of these technologies.

Keywords: education, competences, e-learning, free course

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Ilan Halachmi, Wageningen Academic Publishers, 2015

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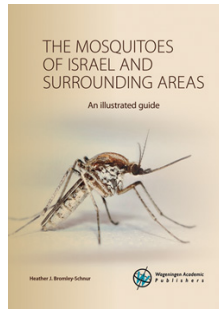
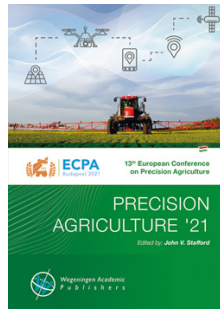
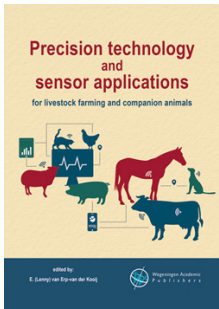
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