

Practical Activities of Pharmaceutical Analysis I in the Framework of Virtuality †

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Abstract: The objective of this work is to expose the educational experiences due to the adaptation of Pharmaceutical Analysis I (PAI) of the Universidad Nacional de Córdoba to digital platforms, emphasizing the strategies and resources used. The virtual PAI was designed from the previous planning for presence-based modality, with the subsequent modification of activities in different degrees, according to the feasibility of being carried out in a virtual framework. The seminars suffered minor modifications, using online classes and forums for discussion. On the other hand, the most significant experimental activities in terms of the analytical techniques used were selected. Videos of analysis protocols with experimental data necessary for the content application, some home experiences, elaboration of reports, and follow-up online classes were included. Finally, fieldwork was added to promote reflection on the concepts of drug stability in real situations, which proposed the control of the expiration dates and particular storage conditions and requirements of medicines at home. Although some skills can only be developed in experimental practice, it is possible to think of a future where teaching subjects, such as PAI would combine experimental approaches with virtual tools. Many of the resources used can enrich the teaching and learning processes.

Keywords: pharmaceutical analysis I; virtual courses; pharmaceutical education.

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Conflicts of Interest

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