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# Applications of Virtual Simulation and Virtual Reality in Nursing

Guest Editor:

**Dr. Cynthia L. Foronda**
School of Nursing and Health Studies, University of Miami, Coral Gables, FL 33146, USA

Deadline for manuscript submissions:
**closed (30 August 2020)**

## Message from the Guest Editor

Healthcare education is challenging. For nurse educators, aptly preparing nursing students to function in fast-paced, high-acuity settings with diverse patients and providers is an arduous task. Fortunately, experiential learning modalities including virtual simulation and virtual reality are showing promise to provide learners with better opportunities to practice a variety of high-level thinking skills prior to entering the profession. Research has demonstrated that virtually simulated experiences result in higher cognitive learning outcomes and longer retention of learning when compared to traditional teaching methods such as reading or lecture. Further, application of virtual simulation and virtual reality is beginning to emerge in the context of patient care. For example, virtual reality is being used to decrease patients' experiences of anxiety and pain. As the use of virtual simulation and virtual reality are growing in nursing practice, this Special Issue seeks contributions about the use of virtual simulation, virtual reality, augmented reality, or mixed reality (XR) in the context of nursing or nursing education.

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*Informatics* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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