Invited Speaker: Prof. Maricar S. Prudente

De La Salle University, Manila, Philippines

Day/Time: June 25, 2022 (1510-1540 GMT8)

Title: Adaptive, Effective and Innovative Practices on Science Education in Online Distance Learning: Perspectives from the Philippines

Abstract:

This talk will principally focus on describing and discussing perspectives drawn from Science Education studies on Online Distance Learning (ODL) in the Philippines. Specifically, it will address four objectives, namely: (1) to discuss the relevant roles of educators, the components of “Community of Inquiry” in online distance education and present the innovative and effective MADI approach in teaching; (2) to describe enticing and innovative instructional practices for online distance education focusing on designing and using micro lectures; (3) to present web-based applications or sites for online distance education; and (4) to elucidate an action research study on the effectiveness of adaptive pedagogy integrating students’ socio-emotional skills. The talk will also feature published studies on the role of metacognition in ensuring students’ conceptual understanding and argumentation skills. The effectiveness of using personalized self-paced learning modules in enhancing students’ achievement, confidence and environmental literacy will likewise be discussed. Interestingly, a Home-based Biology Experiment (HBE) involving an activity that utilizes household materials which has been adapted for the remote learning environment will likewise be presented. Finally, the talk will emphasize the use of educational action research to examine evidences that determine the effectiveness of the adaptive and innovative pedagogies used in online distance learning.