Special Session: Modern technologies with applications in biology

Session Abstract:

This special session intends to integrate advances on different biological systems modelling and control techniques with an innovative relevance for automation processes. Papers with mathematical analysis and real-world application are particularly welcome. Topics of interest include but are not limited to: Artificial Intelligence with applications in biology, data science in biology, machine learning in biology, innovative applications, modern biologic systems, among others.

Special session organized by: Oscar D. Sanchez (didier.sanchez@academicos.udg.mx) and Abraham Alvarado (gabriel.alvarado@academicos.udg.mx), CUCEI, University of Guadalajara

Corresponding Author	Paper Title
Oscar D. Sanchez	Obtaining and analysing EMG signals for the detection of anomalies and rehabilitation of knee problems
Alma Y. Alanis	Neural detection of failures in glucose sensors through residue generated by time windows
Pedro Gomez	Evolutionary parametric identification for arterial hypertension with a non-linear model
Abraham Alvarado	Use of hydrogels in the uptake of copper 2+ and cobalt 2+ ions in aqueous media