Message from the Guest Editor

Dear Colleagues,

Technological advances in mass spectroscopy contribute in increasing availability, speed, accuracy and resolution, which needed to be countered becoming an indispensable analytical technique in cell and tissue profiling studies. The combination of mass spectrometry and statistical tools such as classical multivariate analysis and machine learning for data acquisition and analysis drives the growth of potential application in areas such as clinical diagnosis and treatment decisions, stem cells, food analysis, biomarkers, forensic analysis and, generally, proteomic and metabolomic.

The aim of this special issue is to reflect the state-of-art in the field from tissues sample treatment, new advanced materials as matrices, new biomarkers identification in complex biological samples, application and/or development of statistical tools for pattern recognition, characterization, classification, and quality control. This issue is expected to be a forum of discussion and promotion of new applications, in an effort to reflect the latest exciting developments in the field.

Prof. Dr. Eladia Maria Pena-Mendez

Guest Editor