

## Development of analytical methodologies using multiple injection strategies in capillary electrophoresis, liquid and gas chromatography

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Currently the search for analytical methods with high frequency has been increasing, because with this rapid analytical methods can significantly reduce reagent consumption and waste generation and reduce the time required of the analyst. In addition to reducing costs is possible to perform kinetic study with a greater number of outlets analysis.

The increase of sampling rate can be achieved by obtaining quick methods commonly obtained by capillary electrophoresis, fast GC and UPLC. A very elegant way to further increase the sampling rate is the use of multiple injection strategy.

This seminar will address applications developed for analysis of biofuels, propranolol, lidocaine in pharmaceutical formulations by capillary electrophoresis perchlorate in drinking water by HILIC / MS / MS and the active principles of plants by GC FID, will also be addressed the strategies for obtaining these methodologies such simulation as capillary electrophoresis. The use of computer simulation to obtain these methodologies makes the process of obtaining analytical methodologies even more interesting because it is possible to significantly reduce costs and waste generation compared to obtaining the methodologies by trial and error.

### Biography

Gustavo Amadeu Micke has completed his Ph.D. at the age of 31 years in São Paulo University USP. He is the professor in Federal University of Santa Catarina since 2006 He has published more than 50 papers in reputed journals.

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