

# Austin Journal of Analytical and Pharmaceutical Chemistry

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### Special Edition Invitation

#### Special Edition on the Instrumental Analysis

Instrumental analysis is a field of analytical chemistry that investigates analytes using scientific instruments. These scientific instruments allow using a small amount of a sample for analysis and analyze the complex mixture either with or without their chemical separation. Also, sufficient reliability and accuracy of results are obtained by instrumental analysis. When non-instrumental method is not possible, instrumental method is the only answer to the problem. But, In general, instrumental methods are costly because of cost, maintenance and trained personnel required for their handling. The sensitivity and accuracy depends upon the type of instrument. So we invite authors to submit research and review articles that deal with development of validated, sensitive and selective instrumental techniques in the field of pharmaceutical, biochemical, environmental, natural products, toxicology, food and forensic analysis.

The Main Topics for Special Edition:-

1. Spectrometric methods [colorimetry, UV-Spectrophotometry and Spectrofluorimetry].
2. Electro analytical methods [Potentiometry, Coulometry and Voltammetry].
3. Separation processes which are used to decrease the complexity of material mixtures [Chromatography and Electrophoresis].
4. Hyphenated separation techniques which are combinations of two or more techniques to separate chemicals from solutions and detect them [Gas chromatography -mass spectrometry (GC-MS), Liquid chromatography-mass spectrometry (LC-MS), High-performance liquid chromatography/electrospray ionization-mass spectrometry (HPLC/ESI-MS), Chromatography-diode-array detection (LC-DAD), Capillary electrophoresis-mass spectrometry (CE-MS) and Capillary electrophoresis-ultraviolet-visible spectroscopy (CE-UV)].

Best regards,

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