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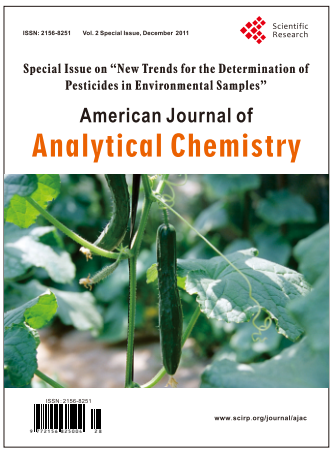

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Pesticides are extensively used in agricultural production to control pests, diseases, weeds and other plant pathogens to minimize yield losses and maintain high product quality. The environmental pollution caused by pesticides and their degradation products is a major ecological and health problem at the moment, since residues from those compounds can be present in natural waters, vegetables and fruits. The chronic effects of pesticides from food intake on human health are not well defined, but there is increasing evidence of carcinogenicity and genotoxicity, as well as disruption of hormonal functions. Therefore, it is very important and necessary to develop methods for analysis of pesticides residues in environmental samples by chromatographic, electroanalytical, spectroscopic techniques, sensors and biosensors, etc. In this special issue, manuscripts concerning the new trends for the determination of pesticides in food, waters and soils samples by diverse techniques are very welcome. For more information, you can visit the following website: http://www.scirp.org/journal/ajac/

The special Issue focuses on the determination of pesticides residues in environmental samples (food, waters and soils samples) involved or not previous extraction or clean-up methods by (but is not limited to):

- Chemical Sensors and Biosensors
- Chromatographic Techniques Using Various Detection Methods
- Electroanalytical Techniques
- Flow Injection Analysis
- Spectroscopic Techniques

Submission Guidelines

Original and unpublished contributions that must not currently be under review by another journal are solicited. All manuscripts should be submitted through the AJAC online submission system, please include an indication of your intention to publish within the special issue to be entitled "Special issue—New trends for the determination of pesticides in environmental samples".

Important Dates

Submission Deadline: November 30th, 2011
Notification of Acceptance: November, 2011
Tentative Publication Date: December, 2011

Contact Information

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