



## **Analytical methods for bioactive components in foods**

Lecturer: prof. Miguel Palma (University of Cadiz, Hiszpania)

### Course description:

Extraction methods, including pressurized liquid extractions, microwave assisted extraction, supercritical fluid extraction and ultrasound assisted extraction, will be presented through their applications in the determination of bioactive components from foods. Several different real applications will be presented and discussed. Stability of the bioactive compounds during the extraction process will be pointed out during discussions.

Chemometric techniques applied in extraction methods will be presented as the usual tools for method development. Spectroscopic methods (MIR and NIR) are usually applied as screening methods for solid and liquid foods; therefore they will be also discussed regarding their applications for the determinations of bioactive compounds.

Own research results and results from the most recent literature will be used for the presentations and discussions.

<b>TERMINY WYKŁADÓW</b>			
<b>Data</b>	<b>Dzień tygodnia</b>	<b>Godzina</b>	<b>Sala</b>
17.09.2012	Poniedziałek	9.00-12.00	LUWR (Chemia A)
18.09.2012	Wtorek	9.00-12.00	LUWR (Chemia A)
19.09.2012	Środa	9.00-12.00	LUWR (Chemia A)
20.09.2012	Czwartek	9.00-12.00	LUWR (Chemia A)
21.09.2012	Piątek	9.00-12.00	LUWR (Chemia A)