



ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ AGRICULTURAL UNIVERSITY OF ATHENS



"Exploitation of microalgae diversity for the development of novel high added value cosmeceuticals"

ALGECOM IAPP 286354

4th WORKSHOP

In vitro evaluation of microalgae bioactive extracts in cosmeceuticals.



Athens, May 4th-8th, 2015

AGENDA

Monday 4th of May (AUA)

12:00-13:00h	Registration
13:00-14:00h	Welcome and opening remarks
14:00-16:00	Introduction to the infrastructure of Enzyme Technology, Molecular Biology and Biochemistry laboratories, Department of Biotechnology, Agricultural University of Athens

Tuesday 5th of May (AUA)

Morning session	
10:00-10:15h	Welcome and opening session (Prof. E. Flemetakis)
10:15-10:45h	High added-value enzymatic content of microalgae of cosmeceutical importance (Christos S. Karamitros)
10:45-11:15h	<i>In vitro</i> testing for biological and functional evaluation of microalgae-based cosmeceutical ingredients (Sophia Letsiou)
11:15-11:45h	Coffee Break
11:45-12:15h	Characterization of <i>Phaeodactylum</i> sp. cell wall polysaccharide (Tinaïg Le Costaouëc)
12:15-12:45h	Isolation and characterization of polysaccharides from <i>Nannochloropsis</i> sp. (Spyros Georgakopoulos)
12:45-13:15h	Characterization of cyanobacteria collection for EPS production. Other activities: TFF results and extraction in new pilot plant. (Carlos Infante)
13:15-13:45h	Coffee Break
Afternoon Session	
13:45-15:00h	Round Table
15:00-17:00h	Lunch

Wednesday 6th of May (AUA)

Laboratory demonstration for preparation of microalgae extracts for subsequent *in vitro* testing (Christos S Karamitros)

10:00-11:30h	Introduction to the preparation of microalgae extracts applying low-resolution downstream processing methods
11:30-13:00h	Experimental preparation of microalgae extracts applying Aqueous-Two-Phase-System
13:00-14:30h	Experimental break (incubation of samples; opportunity for discussion and coffee)
14:30-16:00h	Evaluation of the algae extract (Performance of enzymatic assay and protein concentration determination)

Thursday 7th of May (AUA)

Laboratory demonstration for *in vitro* testing of dermal cell lines (S.Letsiou)

10:00-11:30h	Introduction to dermal cell lines as in vitro models in contemporary cosmetology
11:30-13:00h	Experimental simulation of in vitro testing of dermal cell lines
13:00-14:00h	Coffee break
14:00-15:00h	Observations on the structure of cells in the microscope

Friday 8th of May (AUA)

10:00-11:00h	Analysis and evaluation of results and relevant literature review
11:00-11:30h	Round table for open discussions
11:30-13:00h	Coffee Break
13:00-15:00h	Closing remarks