



SCHOOL ON APPLICATIONS OF PULSED ELECTRIC FIELDS FOR FOOD PROCESSING

January 20-23, 2014 - Zaragoza (Spain)

PRACTICAL WORK

Practical work 1: Detection of electroporation on microorganisms (epifluorescent microscope, fluorometer, flow citometer).

COORDINATORS: Pilar Mañas, Diego García, Beatriz Chueca, Laura Espina.

Practical work 2: Detection of electroporation in plant cells (impedance measures, conductivity, release of intracellular liquid by centrifugation).

COORDINATORS: Javier Raso, Ignacio Álvarez, Elisa Luengo, Santiago Condón-Abanto.

Practical work 3: Influence of different parameters on microbial inactivation by PEF (Electric field strength, number of pulses, temperature, pH, type of microorganisms).

COORDINATORS: Pilar Mañas, Diego García, Beatriz Chueca, Laura Espina.

Practical work 4: Influence of processing parameters on PEF-assisted extraction (Electric field strength, number of pulses).

COORDINATORS: Javier Raso, Ignacio Álvarez, Elisa Luengo, Santiago Condón-Abanto.

Practical work 5. Pilot plant demonstrations.

COORDINATORS: Javier Raso, Ignacio Álvarez, Elisa Luengo, Santiago Condón-Abanto, Beatriz Chueca, Laura Espina, María Gouma.

PRACTICAL WORK SCHEDULE

TIME	20/01/2014	21/01/2014	22/01/2014	23/01/2014
14,15-15,15h	-	-	-	GROUPS 2A, 2B
15,15-16,15h	-	GROUPS 1A, 1B	-	GROUPS 1A, 1B
16,15-17,15h	GROUPS 1A, 1B, 2A, 2B	GROUPS 2A, 2B	-	-

PRACTICAL WORK GROUPS

GROUP 1A

FAMILY NAME	NAME
ARROYO-CASABONA	CRISTINA
NIKOLOVSKA-NEDELKOSKA	DANIELA
MATTAR	JESSY
LAMANAUSKAS	NERIJUS
TIMMERMANS	RIAN

GROUP 1B

FAMILY NAME	NAME
BRIANCEAU	SYLÈNE
YU	XIAOXI
TILMATINE	AMAR
LOPEZ GIRAL	NOELIA
MARESCA	PAOLA
VENDRELL-PACHECO	MARIONA

GROUP 2A

FAMILY NAME	NAME
MAHNIC-KALAMIZA	SAMO
YASSINE	BELLEBNA
SURANO	BARBARA
ROELOFS	HANS
BOBINAITE	RAMUNE

GROUP 2B

FAMILY NAME	NAME
TYLEWICZ	URSZULA
de BOEVERE	MARK
IGNAT	ALEXANDRA
REDONDO	LUIS M.S.
INDRAWATI	OEY
MIR	JORGE