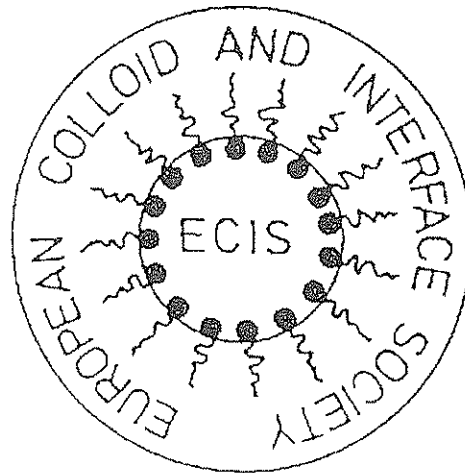


IX ECIS CONFERENCE
European Colloid and Interface Society
September 17-22, 1995

BARCELONA, 17-22 September 1995

PROGRAMME
AND ABSTRACTS

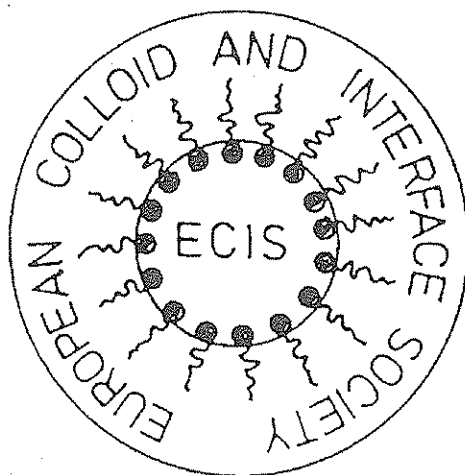
IXth EUROPEAN
COLLOID AND INTERFACE
SOCIETY CONFERENCE



BARCELONA, 17-22 September 1995

BOOK OF ABSTRACTS

IXth EUROPEAN COLLOID AND INTERFACE SOCIETY CONFERENCE

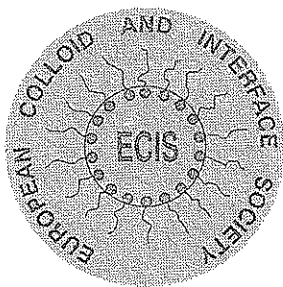


BARCELONA (Spain), 17-22 September
1995



U. B.





IX ECIS CONFERENCE
European Colloid and Interface Society
September 17-22, 1995

Barcelona, 21 de Julio de 1995

Dra Olga López Serrano
CID - CSIC
Jordi Girona, 18-26
08034 Barcelona

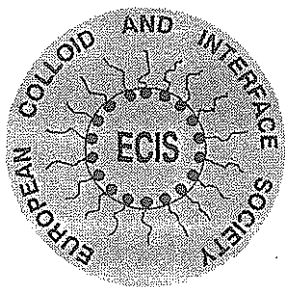
Apreciada Dra Olga López Serrano

Acusamos recibo de su formulario de inscripción y del pago de 35.000 ptas.
al "IX ECIS Conference".

Y del pago de suscripción al "Trends in Colloid and Interface Science X" de
9.500 ptas correspondiente a:

Agradeciendo su interés en este Congreso, le saluda atentamente

Mª Rosa Infante
Secretaria General



IX ECIS CONFERENCE
European Colloid and Interface Society
September 17-22, 1995

Barcelona, 8th June 1995

Srta. Olga López Serrano
Dept. Tecnologia Tensioactivos
C.I.D.-C.S.I.C.
Jordi Girona, 18-26
08034 Barcelona

Dear Dr. López Serrano,

I am glad to inform you that your Abstract entitled

Selective Solubilization of Stratum Corneum Components Using Surfactants

has been accepted as poster communication to be presented at the IXth ECIS Conference.

You will find enclosed Instructions to Authors of the manuscript in case you are interested to publish your contribution in "Trends in Colloid and Interface Science X".

Shortly, you will receive details concerning poster sessions.

Yours Sincerely,

Mª Rosa Infante
General Secretary

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- PI-3 *Study of the Behaviour of Systems Formed by Mixtures of Imidazoline-Amphoteric Surfactants*
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- PI-7 *On the Use of DPH as Fluidity Probe in Organized Media*
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- PI-87 *Premicellar Aggregates in a Mixed System of Surfactant (SDS) and Polymer (EHEC)*
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- PI-88 *The Interaction Between Chitosan and Octaethylene Glycol Dodecyl Ether*
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- PI-89 *Aggregate Formation in Chitosan-Anionic Surfactant Mixtures*
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SELECTIVE SOLUBILIZATION OF THE STRATUM CORNEUM COMPONENTS USING SURFACTANTS.

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In previous investigations we have demonstrated that the use of different techniques for extraction of the stratum corneum components based on the use of organic solvents (mixtures of chloroform/methanol) leads to the extraction of lipoproteic material which is capable to form liposomes. However, the resulting irreversible aggregation and denaturation of many proteins limit their useful.

In the present work we have investigated the process involving the partial and selective solubilization of the stratum corneum components using different types of surfactants. This application provides a suitable separation of the stratum corneum components without degradation of these components.

In order to determine the stratum corneum components and its membrane structures, we used different analytical methods, after the separation of the solution containing solubilized proteins and lipids from surfactant solution by dialysis.

From our results we may assume that the material extracted using nonionic surfactants was formed by a mixture of lipids and proteins, being the composition of each specie dependent on the time and concentration of the nonionic surfactant used.

These surfactant treatments provide a basis for understanding the surfactant interactions with stratum corneum structures as well as the organizational assembling of these membrane components.