

MATERIALS, PHYSICAL AND NANOSCIENCES COST ACTION MP1106

WG2 Report

69 research groups from 28 countries, including Canada, USA, Argentina, Israel, Australia Feedback from 14 research groups

1. Innovative networking

<u>Ricard Gonzales-Cinca</u>: 1 PhD student and 3 master students have joined the group since the start of the COST Action <u>Victoria Dutschk (NL)/Italy</u>: 1 MS student and 1 BS (Italy) joined the group

<u>David Fairhurst</u>: Industrial project looking at protein-stabilized foams involves one company and one post-doc; workshop organized

Thodoris Karapantsios/Victoria Dutschk/Reihnard Miller/Libero Liggieri/Robert Orr/Olivier Minster: ESA FASES-

Fundamental and Applied Studies in Emulsion Stability (polymeric nanolatexes)

<u>Thodoris Karapantsios</u>: physicochemical and rheological properties of two novel nonconventional biocompatible and biodegradable glycerol ether surfactants

Reinhard Miller/Libero Liggieri/Thodoris Karapantsios/Olivier Minster: ESA PASTA PArticle STAbilised Emulsions and Foams

David Fairhurst/Martin Shanahan/Khelil Seifane: on droplet evaporation

David Fairhurst/Bob Pugh: on foam stability

Victoria Dutschk/Jaroslav Katona: networking with your group and birth of 'inkjet' consortium

Victoria Dutschk/Mihail Pascu: interaction of solutions containing pharmaceutics exposed to laser radiation with surfaces for biomedical applications.

UNIVERSITY OF TWENTE.

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2. List of the new project proposals (submitted/accepted) concerning the COST topics

<u>Ricard Gonzales-Cinca</u>: a proposal accepted by the Spanish Ministry of Economy and Competitiveness <u>Victoria Dutschk:</u> a proposal 'Development on nano-based inks for functionalization of textiles' submitted to NWO (The Netherlands organization for Scientific Research); a proposal within Cooperation in Research between India and the Netherlands (NWO): 'INK JET FUN-TEX Functional ink developmen with Janus nanoparticles and nanosol for bringing on-demand inkjettable functionalities on composites and textile materials' submitted; FP7-ICT-2013-10: 'Smart hybrid electronics integration on flexible and stretchable textile substrates' Large scale integrating project, submitted

Zoran Saponjic: Studies on photocatalytic efficiency of polyaniline modified TiO2 nanoparticles were granted by the Ministry of Education, Sceince and Technological Development of the Republic of Serbia Projects N172056, ON172043, III45020

<u>Dominique Langevin:</u> ERC Starting Grant (1.5 Million Euro, 2012-2017) on using the self-organisation of interfacially active agents for the generation of porous solids with physic-chemically well-controlled surface properties by Wiebke Drenckhan

<u>Tatiana Gambaryan-Roisman/Victoria Dutschk/Thodoris Karapantsios/Reinhard Miller/Victor Starov/Jordan Petkov</u>: FP7-People-2012-ITN Marie Curie multi-partner, approved

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3. Submitted publications within the COST Action MP1106

C.D. Ampatzidis, E-M.A. Varka, T.D. Karapantsios: Colloids Surfaces A C.D. Ampatzidis, E-M.A. Varka, T.D. Karapantsios: Colloids Surfaces A David Fairhurst: Colloids Surfaces A