"PROGRESS IN ORGANIC AND POLYMER CHEMISTRY" XXVth Edition The XXV-th Symposium 24 - 26 September 2015, "Petru Poni" Institute of Macromolecular Chemistry, Iasi



POLYMERIC HYBRID FILM COMPOSITE WITH TAILORED PROPERTIES



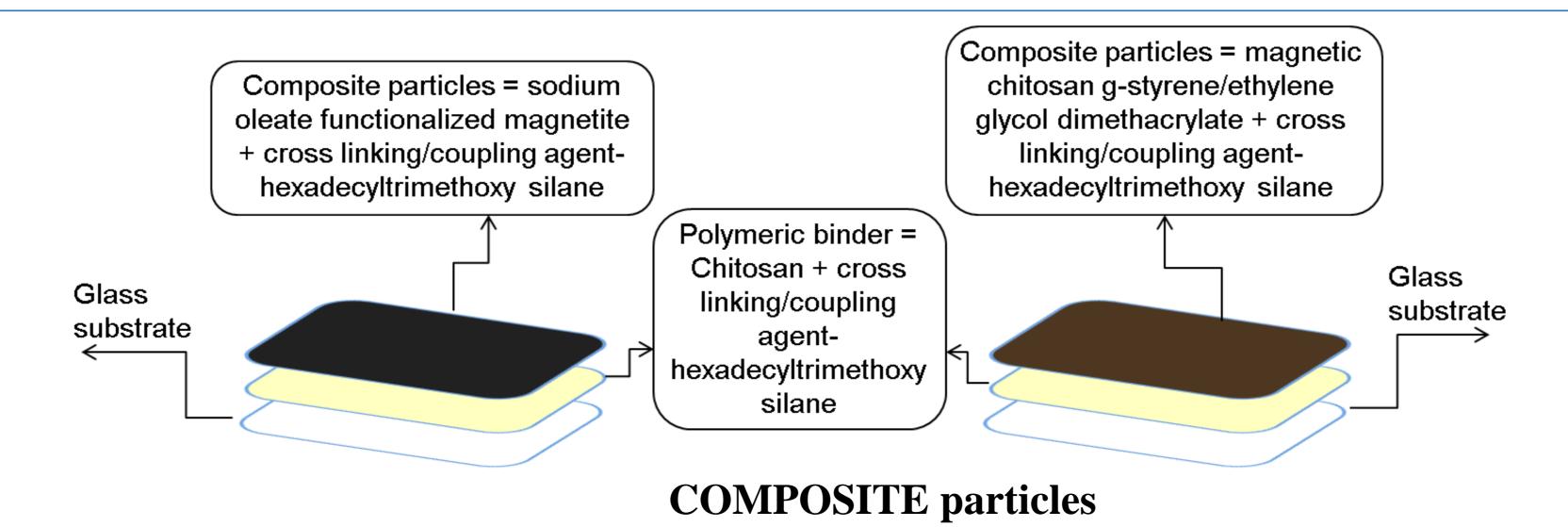
0

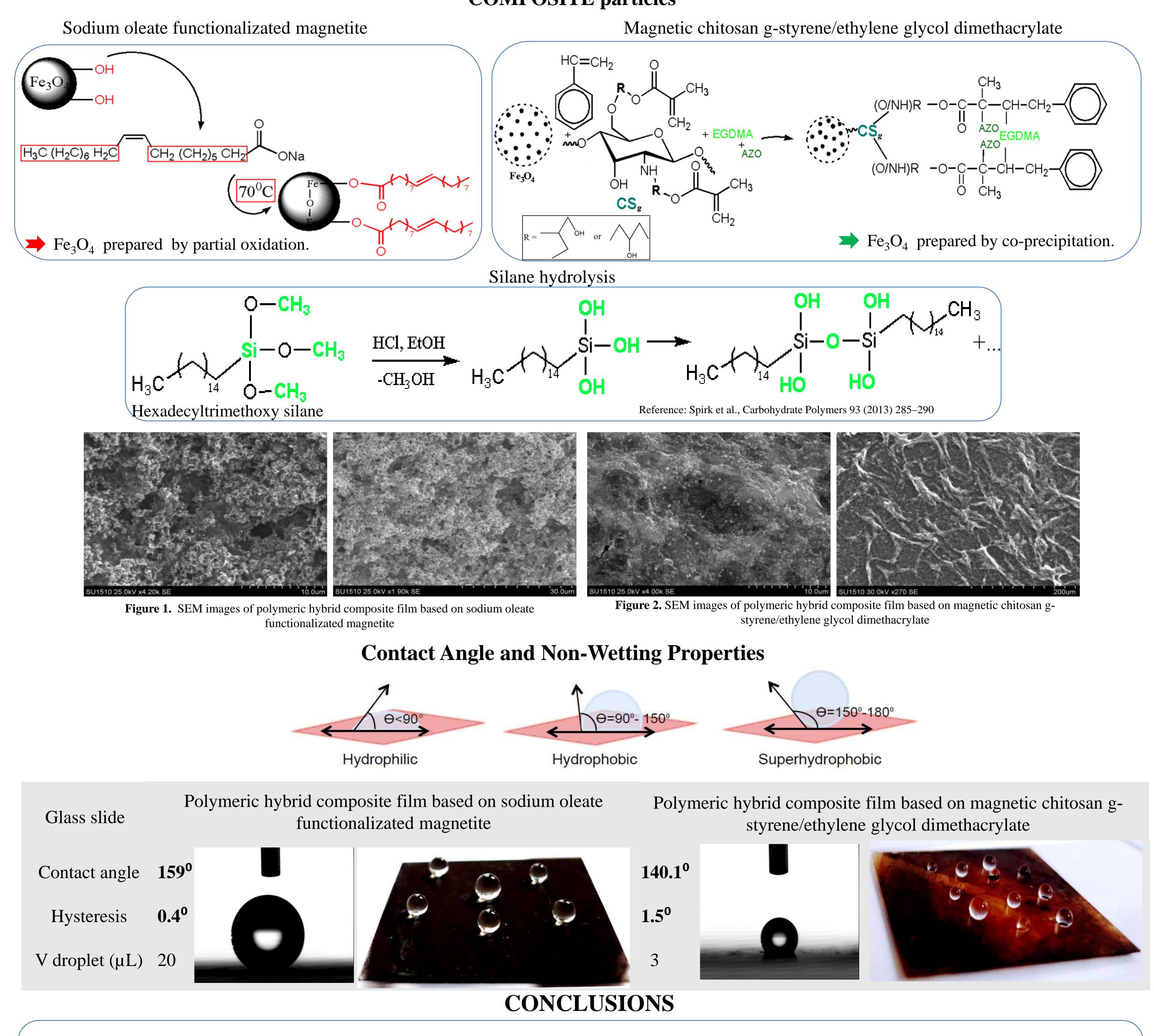
Gianina Dodi, Mirabela Iordache, Doina Hritcu, Dan Draganescu, Marcel Ionel Popa

"Gheorghe Asachi" Technical University, Iasi, Romania

gianina.dodi@yahoo.co.uk

AIM: preparation of polymeric hybrid composite coatings with structured roughness for water repellent applications.





Hybrid coatings containing composite particles and polymeric binder, cross-linked with a coupling agent were prepared. Two types of composite particles were synthesized and successfully evaluated for the hybrid film preparation. The ability of the composite particles to generate patterned films with hierarchical



