

Annuncio Seminario - giovedì 27 novembre alle ore 14:30
Aula Seminari Autuori, Dipartimento di Biologia,
Università di Tor Vergata,
Roma, via della Ricerca Scientifica 1.

Prof. Kirsi Mikkonen,
Head of Food Materials Science Research Group
Food Science Department, Helsinki University, Finland

"Added value from biomass and fungi: Case
studies with fungal mycelia and wood
hemicelluloses"

Prof. Kirsi Mikkonen is a food material scientist, with interests in biocolloids, emulsions, etc toward sustainable bioplastic packaging alternatives to fossil fuels.

She describes her work this way: My research is focused on valorization of biomass streams, particularly hemicelluloses derived from wood and agricultural residues as well as fungal biomass. I am interested in functionality of biopolymers at multiphase systems and interfaces. The sustainability, biodegradability, and safety of hemicelluloses for food contact make them a highly interesting future alternative for petroleum-derived plastics. Other possible applications for hemicelluloses include, e.g., emulsions for food, cosmetics, pharmaceuticals, and chemicals.

Prof. Kirsi Mikkonen

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