



Il Dipartimento di Scienze Chimiche accoglie il Dott. Marco Fantin che terrà un seminario dal titolo:

Taming Free Radicals via Electrochemical Methods

Martedì 14 febbraio 2023, ore 16.00 Aula H, Dipartimento di Scienze Chimiche, Via Marzolo, 1.

More than 100 million tons of polymers are produced annually world-wide by conventional free radical polymerization (FRP). In this process, however, the growth of propagating radicals is uncontrolled, which makes macromolecular engineering impossible via FRP. Conversely, in the last years many advanced nanostructured materials were designed and prepared by controlled/living radical polymerization (CRP). In CRP, the growth of propagating radicals is controlled via careful deactivation and reactivation of the growing polymer chains. Recently, photochemical and electrochemical approaches were applied to prepare functional polymers by CRP with enhanced precision under mild conditions. In this talk, latest advances in CRP involving iron electrocatalysts and VOC-free polymerizations will be discussed.

Il Direttore del Dipartimento Michele Maggini