PhD Seminar

SYNTHESIS OF NANOSTRUCTURES CONTAINING SELENIUM

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Abstract

Organochalcogen compounds have emerged as an interesting class of compounds, not only for their applications as intermediates in organic synthesis, in the electronic field, but mainly with regard to the biological potential of organochalcogen compounds. For example, organoselenium compounds are able to mimic the enzymatic properties of glutathione peroxidase and appear as a prominent agent for antitumor and antiinfective activity. On the other hand, carbon nanostructures appear as a prominent class of compounds. Nanostructures generally exhibit some different properties when compared to molecules outside the nanoscale. In this context, this talk will address some results obtained by our research group and results obtained in collaborative projects with our research partners, in the preparation of nanostructures containing selenium.