

Alessandro Barge was born in 1971 and he got his degree in chemistry in 1995 at the University of Turin. In 2000 he got the PhD in Bio-Chemistry Sciences and in 2005 he got a permanent position, as assistant professor (Organic Chemistry), at the University of Turin, Drug Science and technology Department and in 2017 he became Associate Professor (Organic Chemistry, same University and Department) . His research started from synthesis and characterization of MRI contrast agents and, after 2005, it was implemented with the study of non conventional techniques (such as US, MW and ionic liquids) applied to the organic synthesis and to the extraction of bioactive molecules from vegetal substrates. His research field include the organic synthesis applied to the develop of bioactive molecules, diagnostic systems, naosystems (used in drug delivery, sensors, smart materials), as well as the green approach to synthetic processes. Among different nanosystems, carbon based nanomaterials cover a special role in his research: graphene, graphene reduced oxide, carbon nanotubes and nanodiamonds are some of the most studied nanomaterials. Organic synthesis is strongly supported by different analytical techniques, first of all NMR (mono and bidimensional) and Mass Spectrometry, but also GC, HPLC, UPLC (also coupled with MS detectors).

His teaching activities are devoted to the “Physical Methods applied to Organic Chemistry” and “Organic Chemistry II” courses for the degree in Chemistry and Pharmaceutical Technologies.

He is the responsible person for the NMR Open Access Lab of University of Turin, and he was consulted as an expert for the public prosecutor's office.

His research activity is demonstrated by more than 90 publications on international journal.

List of publications is available here: https://iris.unito.it/simple-search?query=Barge+Alessandro&rpp=10&sort_by=bi_sort_2_sort&order=desc#.XoH5eogzaUk