Curriculum Vitae

First scientific activity was focused on the chemistry of essential oils, natural compounds, extraction, identification of new compounds and their biological activity, specializing in chromatography and spectroscopic techniques (GC-MS, LC-MS, NMR).

Since 2006 she has spent most part of research in the study of the chemo-enzymatic reaction catalyzed by enzymes on natural product with the aim of improve the smell, the biological activity or provide starting material useful in synthesis .

She was teacher of the theoretical- practical " Manager della qualità nel settore delle produzioni agro-alimentari " Consorzio Futuro Formazione F2 nell'ambito del Programma Operativo 2000/2006 di Ricerca, Sviluppo e Alta Formazione definito dal MIUR

In 2011 she worked at the "Group of microbial enzymes for industrial application " of the Department of

Microbiology – University of Barcelona (Spain) thank to a grant under the program of "Short Term Mobility" of CNR dealing with the program entitled "Utilizzo di enzimi idrolitici nella valorizzazione di biomasse residuali"

In 2015 and 2018 collaborated to the projects "Dai composti naturali ai sistemi nanostrutturati: applicazioni e prodotti per la salute" and "Tecnologie chimiche abilitanti per la salute e l'ambiente" funded by the Regione Sicilia as part of the public notices "Rafforzare l'occupabilità nel sistema di R&S e la Nascita di Spin Off di Ricerca in Sicilia".

In the period 2013-2015 collaborated in research activities in the context of the project entitled "Valorizzazione Biomolecolare ed Energetica di Biomasse Residuali del Settore Agroidustriale ed Ittico" BIO4BIO and Valorizzazione di biomasse residuali per applicazioni nel settore farmaceutico e cosmeticso.

Today deals with sustainable Chemistry: biocatalysis and its applications in the field of the enhancement of biomass and in particular research activity is focused to define green procedure to prepare compounds in mild conditions as potential valuable as starting material for bioactive compounds using enzymes extract from vegetable flour . She also improves her experience in the use of analytical and spectroscopic techniques.