





## PERSONAL INFORMATIONS

Emiliano Manzo

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Sesso Maschio | [Data di nascita](#) 03/03/1973 | [Nazionalità](#) Italiana

POSITION HELD  
TITLE OF STUDY

Chemical Senior Researcher at Institute of Biomolecular Chemistry (CNR-Italy) / Degree in Chemical Sciences

PROFESSIONAL  
EXPERIENCE

27/12/2001 to date

**Chemical Researcher**

Consiglio Nazionale delle Ricerche Piazzale Aldo Moro ,7, 00185 Roma

The research field is Organic Chemistry and in particular the Chemistry of Natural Products.

-Study and research of marine natural substances and chemical synthesis of marine metabolites with pharmacological activity:

- chemical synthesis of secondary metabolites of marine and terrestrial origin aimed at the structural confirmation and the need to have sufficient amount of products to perform the biological activity evaluations;
- isolation of new secondary metabolites from natural extracts by chromatographic techniques;
- chemical characterization of isolated molecules using spectrometric (LCMS, ESIMS) and spectroscopic methods (NMR, IR, UV, CD).
- study of supramolecular aggregates of lipid bioactive substances in aqueous environment with particular attention of the influence on the biological activity.

This studies aimed at identifying and preparing molecules to be proposed as new lead-compounds in the pharmaceutical field.

Dr. Manzo is scientific responsible of funded projects as well as involved in several other CNR projects

Dr. Manzo is tutor for formation of students of Pharmacy, Chemistry and Pharmaceutical Technologies, Chemistry finalized to preparation of Degree and Doctoral theses.

[Attività o settore](#) Research and pharmacological develop of Natural Substances

04/2001 to 26/12/2001

Research Grant for collaboration in research activities

Department of Organic and Biological Chemistry-University of Naples Federico II  
disciplinary sector: CO5X,

Study and develop of reactions conducted with metal cations in the field of carbohydrates.

BioSEArch S.r.l.: Italian Company for the Research of drugs from marine organisms

Identification, synthesis and develop of new lead compounds for pharmaceutical application.

PARTICIPATION IN COMPANIES  
AND SPINOFF

## EDUCATION AND FORMATION

03/1998 to 06/03/2001

[Inserire separatamente i corsi frequentati iniziando da quelli più recenti.]

**PhD in Chemical Sciences (XIII Cycle)**

Department of Organic and Biological Chemistry (University of Naples Federico II)-Italy

Thesis title: "Interactions between carbohydrates and metal ions"

	Synthesis of carbohydrates derivatives focusing the effect of metal cations on the reactivity of mono- and oligosaccharides
1997	'Laonigro Prize' for the best Degree Thesis in Science. organized by 'Società Chimica Italiana',
November/1996	Qualification for the profession of chemist
19/07/1996	Chemistry Degree (Organic Sector)-110/110 cum laude  University of Naples 'Federico II'  Thesis title: "Structural determination of polysaccharides from phytopathogenic bacteria", supervisor Prof. Michelangelo Parrilli. Isolation and characterization of bacterial polysaccharides
June/1991	Classical High-School Diploma  'Benedetto Croce' Classical High School, Torre Annunziata (Naples)
Other Professional skills	<hr/> <p>-THE RESEARCH ACTIVITY OF DR. MANZO INCLUDES NUMEROUS INTERNATIONAL COLLABORATIONS (CANADA, USA, EGYPT, MOROCCO, INDIA, AUSTRALIA, CHINA) IN THE CONTEXT OF BILATERAL PROJECTS OF THE CNR AND/OR THE MINISTRY OF FOREIGN AFFAIRS.</p> <p>-DR. MANZO OBTAINED THE NATIONAL SCIENTIFIC QUALIFICATION-MIUR FOR UNIVERSITY ASSOCIATE PROFESSOR (SECTOR 03 / C1-ORGANIC CHEMISTRY).</p> <p>-DR. MANZO IS A MEMBER OF THE EDITORIAL BOARD OF THE INTERNATIONAL JOURNAL 'MARINE DRUGS' AND HE IS TUTOR FOR UNDERGRADUATES AND DOCTORAL STUDENTS OF THE DEGREE COURSES IN PHARMACY, CHEMISTRY, AND CHEMISTRY AND PHARMACEUTICAL TECHNOLOGIES.</p> <p>-DR. MANZO IS AUTHOR OF OVER 90 PUBLICATIONS ON INTERNATIONAL JOURNALS, 50 COMMUNICATIONS PRESENTED AT INTERNATIONAL CONFERENCES AND SIX PATENTS</p> <hr/>
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