1. PERSONAL INFORMATION.
-Name: Michele Manfra
-ORCID ID: 0000-0002-3320-972X
-Website: http://docenti.unibas.it/site/home/docente.html?m=008398

2. EDUCATION AND TRAINING.
-June 2000: Master Degree in Chemistry, University of Naples “Federico II”, experimental thesis in Medicinal Chemistry.
- December 2005: PhD in Medicinal Chemistry, University of Naples “Federico II”.

3. CURRENT POSITION.
Assistant Professor in Medicinal Chemistry at the Department of Science of the University of Basilicata from 2009

4. TEACHING ACTIVITY
-Quantitative analysis of Drug: 2009-present (11 academic years) Master degree in Pharmacy, University of Basilicata, (average enrollment 80 students)
- Medicinal Chemistry: 2013-present (7 academic years), Master degree in Pharmacy, University of Basilicata, (average enrollment 50 students)
- Dietary supplements 2010-2011 (1 academic years) Master degree in Pharmacy, University of Basilicata, (average enrollment 50 students)

TUTOR: (for PhD student)
INTERNATIONAL PH.D PROGRAMME " “APPLIED BIOLOGY AND ENVIRONMENTAL SAFEGUARD” SAFEGUARD"
TITLE Isolation, characterization and biological evaluation of onconutraceutics compounds in the Mediterranean area: New tools for the treatment of oncological diseases Ciclo XXXV Università degli Studi della BASILICATA

5.MEMBER OF THE DOCTORAL COLLEGE:
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INTERNATIONAL PH.D PROGRAMME " “APPLIED BIOLOGY AND ENVIRONMENTAL SAFEGUARD” SAFEGUARD" from 2017 to 2020 code: [DOT1438158]
"SCIENCES” " code [DOT208JXBA] Ciclo XXXVI-2020/2021 Università degli Studi della BASILICATA
"SCIENZE" code [DOT1338392] Ciclo XXXIV-2013/2014 Università degli Studi della BASILICATA

6. SCIENTIFIC IMPACT
-H-index: 18
-776 total citations.
-Number of years publishing: 44
https://www.scopus.com/authid/detail.uri?authorId=7007074257
(All parameters were calculated from Scopus in 30/12/2019)

7. INVITED PRESENTATIONS TO PEER-REVIEWED, INTERNATIONALLY ESTABLISHED CONFERENCES AND/OR INTERNATIONAL ADVANCED SCHOOLS
-May 2008. II NPCF , Catanzaro, University Magna Grecia. Title: Inibitori delle Topisomerasi: derivati Chinolinchinonici con attività antiproliferativa

8. REVIEWER ACTIVITY.

-Numerous leading peer-reviewed scientific journals (ChemMedChem, Eur. J. Med. Chem., J. Med. Chem.).

9. FUNDED RESEARCH PROJECTS

Responsabile Scientifico dell'Unità di ricerca per il progetto PRIN 2017 n. 2017ALCR7C_005 "Genetic epileptic channelopathies as disease models for drug discovery toward personalized treatment: an integrated bench-to-bedside and backward approach".

Componente al Programma di Ricerca PRIN 2009 n. 20098Y822F_001 "Caratterizzazione chimica di sostanze bioattive da sottoprodotti dell'industria agroalimentaree loro utilizzo nella formulazione di prodotti nutraceutici innovativi"

Partecipazione di collaborazione scientifica al Progetto C.A.R.S. nel seguente ambito: "Progettazione , sintesi, di nuovi farmaci ad attività antitumorali a struttura fenossazinonica"(2004)

Membro dell'Unità di ricerca presso Dipartimento di Chimica Farmaceutica e Tossicologica - Facoltà di Farmacia -Napoli. Progetto: "Sintesi di nuovi composti imminochinonici con potenziale attività antitumorale (2007/2008)

10. AWARDS.
-2009 as a member of the group AVICENNA I won the third prize in the competition START CUP 2009 FEDERICO II (University of Napoli,Federico II) awarded the best research projects for technological innovation in the region Campania-*.Anticancer Agents for Treatment of Acute and ChronicMyeloidLeukemia. Inhibitors of ProteinPrenylation*
-2010 as a member of the group ISTHAR,I won the fourth prize in the competition CAMPANIA START CUP 2010 (University of Napoli Federico II) awarded the best research projects for technological innovation in the region Campania and has qualified for the national competition of the PNI, national Award for Innovation 2010- *Produzione e Commercializzazione di Preparati Contenenti Principi Attivi di Origine Vegetale Testati e Standardizzati*.

Concerning my research activity, I have gained a strong experience in design and synthesis of new biologically active molecules by the use of calssical and innovative synthetic approaches including microwave-assisted synthesis, combinatorial chemistry and flow synthesis.
My research activities are supported by the availability in my laboratory of many advanced instruments for the organic synthesis such as microwaves oven and flash chromatographic automated systems.
Moreover, the Department of Science of the University of Basilicata is equipped with NMR spectrometers, mass spectrophotometers and HPLC systems hyphenetad with mass spectrometry for the quali/quantitative analysis and structural characterization of synthesized compounds.
My early research work was mainly addressed to the design and synthesis of new anticancer agents. This research activity was organized in two main research lines:

-Synthesis of Antitumor Agents Belonging to Heterocyclic Compounds: DNA-intercalating Compounds

-Protein Prenylation Inhibitors for Acute Myeloid leukemia and Chronic Myeloid leukemia Therapy

Despite these research lines are still active, in the last years I've focused my efforts in the design and synthesis of mPGES1 inhibitors and in the elucidation of their effects on cancer related

antiinflammatory status. Moreover, I've been recently involved in a specific research line regarding the design and synthesis of KCNQ channel modulators.
Since 2009 I've also carried on studies about the composition and the biological activities of various food matrices. The goal of this research lines was the identification of biologically active molecules (endowed with antioxidant, antibacterial, anti-inflammatory and epigenetic effects) in complex matrices and the assessment of the undelying molecular mechanism. These research lines also gave me th opportunity of increase my expertise in the field of analytical chemistry and pharmacokinetic.