



IRENE CONTICELLO

CHEMIST

PERSONAL PROFILE

Extremely motivated to constantly develop skills and grow professionally. Hard worker, enterprising, team player with good interpersonal skills. Successful working in Italian and multicultural team environments, as well as independently.

CONTACT DETAILS

Home: Via L. Pirandello, 52,
94018, Troina, EN
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EDUCATION

University of Bologna
Master of Science in Chemistry,
2017
University of Catania
Bachelor in Chemistry, 2015

LANGUAGES

Italian, English, Spanish

AREAS OF EXPERTISE

- Graphene, graphene oxide and N-doped graphene
- Graphene-based hybrid materials used for water treatment
- SERS, Raman and UV-vis spectroscopy
- Chemical Vapor Deposition
- Scanning Electron Microscopy
- Synthesis of gold nanoparticles

WORK EXPERIENCE

National Research Council (CNR) Institute for microelectronics and microsystems (IMM), Catania
SENTI project Fellow

MAR 2018 - SEP 2019

- CVD synthesis and Raman and SEM characterization of graphene and nitrogen-doped graphene
- Photocatalytic and adsorption phenomena studies of graphene-based hybrid materials used for water treatment

Graphenea, San Sebastian,

FEB 2019 - APR 2019

- Training on synthesis and characterization of graphene oxide water dispersion, highly concentrated graphene oxide, reduced graphene oxide, functionalized graphene oxide and graphene oxide film

Forensic Chemistry Laboratory, Florida International University, Miami, Visiting Research Scholar

APR 2017 - NOV 2017

- Development of methods for the detection of drugs in biological fluids using surface enhanced Raman spectroscopy