



CHIARA AMICUCCI

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WORK EXPERIENCE

from 11/2018 – 12/2018

Collaboration with NANESA S.r.l.

Synthesis and functionalization of graphene.

from 03/2018 – to 10/2018 Research associate at CNR-IFAC (Firenze), in collaboration with Cabro S.p.A. (Arezzo).

The project (SUPREMAL) deals with the diagnosis of Alzheimer disease by very sensitive SERS detection of specific biomarkers. During the project I'm focusing on synthesis and comparison of different nanomaterials for the SERS substrates fabrication, in order to obtain the best results in terms of signal amplification; as well as I'm working to find innovative methods for purification of nanomaterials. The techniques I am using for characterization of the products are SEM and UV-Vis

EDUCATION

from 11/2018 – ongoing

Università degli Studi di Firenze

enrolled to PhD in Science and Engineering of Materials in the Department of Industrial Engineering, University of Florence.

Title: Development of SERS substrates based on silver nanowires for optical amplification and identification of biomolecules

from 10/2015 - to 10/2017

Università degli studi di Camerino

Master Degree in Chemistry and Advanced Chemical Methodologies

Title of thesis: INNOVATIVE SOLUTION FOR THE TREATMENT OF TANNERY WASTE

Date di degree: 12/10/2017 Final mark: 110/110 (magna cum laude)

from 10/2012 - to 10/2015

Università degli studi di Camerino

Bachelor's degree in Chemistry

Title of thesis: TERTIARY AMINES AS ACTIVATORS FOR THE CURING OF
POLYURETHANES IN THE BIOMEDICAL FIELD

Date di degree: 15/10/2015 Final mark: 110/110 (magna cum laude)

from 09/2007 - to 06/2012

ITIS E. Divini

Chemical Technician

Date: 10/06/2012 Final mark: 97/100

MOBILITY PROGRAMS

from 09/2016 – to 03/2017

Erasmus/Double Degree in Instituto Superior Tecnico - Lisbon, Portugal

During the mobility program I took the following exams:

- PHARMACEUTICAL CHEMISTRY
- INDUSTRIAL CHEMISTRY
- MEDICINAL CHEMISTRY PHOTOCHEMICAL PROCESSES
- ORGANOMETALLIC SPECIALIZATION LABORATORY

WORK EXPERIECES DURING THE EDUCATION

from 04/2017 - to 09/2017

JH-CTC Conceria del Chienti

Trainship in the tannery research laboratory

from 06/2012 - to 09/2012

iGuzzini S.p.A.

Trainship in quality department

LANGUAGES (written, spoken, read)

Italian native

English fluent

Spanish fluent

Portoguese proficient

CERTIFICATIONS

- PET (Preliminary English Test) Certification
- EQDL (European Quality Driving Licence) Certification
- Fire prevention Certification

REFERENCES

- Professor Andrea Caneschi UNIFI
- PhD. Paolo Matteini, IFAC-CNR ;
- PhD Martina Banchelli, IFAC-CNR

FIRENZE 24/08/20

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