

## PERSONAL INFORMATION

Rachele Rocchi



- O M I S S I S -

## WORK EXPERIENCE

2015→ PhD Student in Food Science

**Main activities and responsibilities-** Evaluation of the quality of saffron properties as affected by origin, process and storage conditions. The study is focused on the volatile, non-volatile and bioactive compounds to evaluate the relationship between the various components and their effects on quality (sensory and health, in particular) properties of saffron

**Name of the University-** University of Teramo, Faculty of Bioscience and Technology for Food, Agriculture and Environment, Via C.Lerici 1, 64023 Mosciano Sant'Angelo (TE), Italy

2017 Internship at the Quadram Institute, Norwich, UK (6 months)

**Main activities and responsibilities-** Evaluation of the bioaccessibility of crocetin esters in saffron after *in vitro* gastrointestinal digestion

**Name of the University-** Quadram Institute Bioscience, Norwich Research Park, Colney, Norwich NR4 7UA, UK

2017 Internship at ICQRF, Rome, Italy (4 months)

**Main activities and responsibilities-** Evaluation of the volatile compounds of saffron using GC-MS and Electronic Nose in order to distinguish samples with different origin, process and storage conditions

**Name of the University-** ICQRF, via del Fornetto 85, 00149, Rome

2012 → 2013 Scholarship for the Organic Chemistry laboratory

**Main activities and responsibilities-** Assistance and preparation of educational laboratory of organic synthesis.

**Name of the University-** University of Rome La Sapienza, Faculty of Mathematical, Physical and Natural Sciences, Piazzale Aldo Moro 5, 00185 Rome, Italy

## EDUCATION AND TRAINING

2001→2003 Certificate English Language Studies

**Main activities and responsibilities-** English course to improve understanding and both reading and writing, but also in speaking and listening.

**Name of the School-** ATC Language, Blackrock and CastleKnock College, Dublin, Ireland

2003→2008 Scientific High school Degree (score: 88/100)

**Main activities and responsibilities-** Acquisition of grammatical skills, logic and vocabulary regarding Italian, Latin and English language; knowledge of the Italian classics and foreign literature and history and Italian historiography; Knowledge of mathematical, physical and natural sciences.

**Name of the High School:** Scientific High School "Plinio Seniore", Via Montebello 122, 00185 Rome, Italy

2009→2013 1<sup>st</sup> Level Graduation degree in Chemistry (final score: 92/110)

**Main activities and responsibilities-** The purpose of my thesis was to synthesize lipophilic derivatives of hydroxytyrosol that can be used in the structure/antioxidant activity studies.  
Aggiungi il titolo della tesi ed il Laboratorio dove l'hai fatta

**Name of the University-** University of Rome La Sapienza, Faculty of Mathematical, Physical and Natural Sciences, Piazzale Aldo Moro 5, 00185 Rome, Italy

2013→2015 2<sup>nd</sup> level-Master degree in Analytical Chemistry (final score: 110/110)

**Main activities and responsibilities-** My thesis concerned the determination of new synthetic drugs in biological matrices by HPLC-MS/MS. The purpose of this work was the development of a fast and accurate method for the determination of New Psychoactive Substances (NPS) belonging to different analytes classes, such as synthetic cathinones, synthetic cannabinoids, piperazines and phenethylamines.

**Name of the University-** University of Rome La Sapienza, Faculty of Mathematical, Physical and Natural Sciences, Piazzale Aldo Moro 5, 00185 Rome, Italy

#### ADDITIONAL EDUCATION TRAINING ACTIVITIES

2015 Attendance certificate

**Main activities and responsibilities-** Applications of Mass Spectrometry in High Resolution

**Name of institute-** Thermo Scientific

2016 Use of Metabolomics in Nutrition Research

**Main activities and responsibilities-** Metabolomics training school in POSITIVE COST: development and application of the metabolomics in the discovery of biomarkers

**Name of institute-** University of Barcelona, Spain

2016 2MS NatMet School

**Main activities and responsibilities-** Practical training on mass spectrometry applied to natural complex systems

**Name of institute-** Aboca Spa, San Pistrino, Perugia, Italy

#### OTHER WORK EXPERIENCE

2008→2018 Swimming Teacher

**Main activities and responsibilities-** Swimming teaching classes for children and adults and children (free-time, weekends).

**Name of employer-** EasyFitClub Casal Monastero - via Torre del Pratolungo, Casal Monastero, Rome (Italy)

2008→2015 Swimming Teacher

**Main activities and responsibilities-** I teach swimming for adults and children at the fitness centre.

**Name of employer-** Centro sportivo Sergio De Gregorio- via Casal Bianco 160, 00131 Rome (Italy)

#### OTHER ADDITIONAL EDUCATION



- 2007 Instruction Certificate  
**Main activities and responsibilities-** Acquisition of the main tasks and responsibilities of the instructor.  
**Name of institute-** Società Nazionale di Salvamento Genova, Via Luccoli 24/A, 16123 Genova (Italy)
- 2007 Qualification Certificate Basic Life Support Defibrillation (BLS-D)  
**Main activities and responsibilities-** Using the semi-automatic defibrillator and acquisition the main first aid rules.  
**Name of institute -** Regional Health Emergency Company (ARES118)
- 2007 Certificate of Attendance AcquaGym  
**Main activities and responsibilities-** Guidelines for the practise of AcquaGym Theoretical and practical course for the acquisition the correct procedures to carry out the class.  
**Name of institute -** Centro Sportivo Sergio De Gregorio, Via Casal Bianco 160, 00131 Rome (Italy)
- 2006 Open Water Diver Patent  
**Main activities and responsibilities-** Acquisition of theoretical principles and concepts to diving; correct behaviour under water.  
**Name of institute -** Professional Association of Diving Instructors (PADI)
- 2005 Patent Lifeguard  
**Main activities and responsibilities-** First aid rules and rescue operations.  
**Name of institute -** Società Nazionale di Salvamento Genova, Via Luccoli 24/A, 16123 Genova (Italy)

## PUBLICATIONS

- 2018 Rocchi R., Simeoni M.S., Montesano C., Vannutelli G., Curini R., Sergi M., Compagnone D.  
 Analysis of new psychoactive substances in oral fluids by means of microextraction by packed sorbent followed by ultra-high-performance liquid chromatography-tandem mass spectrometry  
 Drug Testing and Analysis, DOI: 10.1002/dta.2330
- 2018 Faberi, A., Compagnone, D., Fuselli, F., La Mantia, A., Mascini, M., Montesano, C., Rocchi, R., Sergi, M.  
 Italian Cheeses Discrimination by Means of  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  Isotopic Ratio Mass Spectrometry  
 Food Analytical Methods, 11:5-1467-1475.
- 2018 Rocchi R., Mascini M., Sergi M., Compagnone D., Mastrocola D., Pittia P.  
 Crocins pattern in saffron detected by UHPLC-MS/MS as marker of quality, process and traceability  
 Food Chemistry, 264:241-249.

## OTHER SKILLS

Mother tongue(s) Italian



Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	A1	A2	A1	A1	A2

**Communication skills** Thanks to my natural ability to communicate and relate with others, particularly with children, I have always stood for the friendliness and liveliness. These qualities lead me to seek work environments in which it is necessary communicate and confront with others.

**Organisational / managerial skills** My experience as entertainer in tourist resorts has allowed me to mature the ability to organize and manage events in stressful situations.

**Job-related skills** Good knowledge as computer use and websites; good knowledge of Office package, Chemdraw, Mestre and software Analyst.

Digital competence	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Independent user	Independent user	Independent user	Independent user	Independent user

**Driving licence** B

In compliance with the Italian Legislative Decree 196/2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art.7 of the above-mentioned decree.

SIGNATURE

*Rachele Rocchi*  
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