

## **Francesca Falco PhD**

### **Personal information**

**Name:** Francesca

**Surname:** Falco

**Place and date of birth:** Mazara del vallo 14-Agosto-1975

**Address:** via Pakista,1

**Nationality:** Italy

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### **Profile**

**Operatore Tecnico**

### **Education**

**(03/21/2017) PhD :enviramental biology and biodiversity** Anthropic address from University of Study Palermo, departiment of Science and Tecnologies Biologic Chemistry and Pharmaceutical;

University Degree: **Biodiversity and Evolution (N.O)** 8/10/2013 college of Palermo  
**(110/110 cum Lodem)**

### **Working experience**

Since 01/01/2011 to same time research activity in laboratory of Ecology and molecular Biology in IAMC-CNR of Capo Granitola, specializing in HPLC protein separation;

*Since* 03/01/2010 to day time research activity in laboratory biogeochemistry in IAMC-CNR of Capo Granitola, specializing to strumental use and tecnologia of separetion and analysis several matrices , study and enviromental monitoring.;

Since 8/3/2011 until now: appointment of responsibility of equipment in laboratory of IAMC-CNR dell' UOS di Capo Granitola (DMA80 e LUMEX) for analisys of atomic Mercury;

### **Other working experience:**

Since 09/12/2015 to 10/08/2015 research and learned HPLC techniques for the determination of free and peptide-bound amino acids in animal tissues, in laboratory at Texas A&M University(with the letter for Whom It May Concern By University Distinguished Professor Guoyao Wu Ph.D);

*Since* 2015 to 2017 research *and learned use of spettrophotometer* techniques for the determination of Enzymatic activity in tissues of pelagic fish, at Palermo University laboratory with Professor Cammarata Matteo;

2008 reserch and learned use od spettrofotometer technique for lipid , carbohydrates and protein total in muscle tissues of larval fish, at University of Ecology (Vigo);Spain with Professor Castor Guisande;

## List of publications last 3 years

2016

Falco, F., Barra, M., Cammarata, M., Cuttitta, A., Jia, S., Bonanno, A., ... & Wu, G. (2016). Amino acid composition in eyes Since zebrafish (*Danio rerio*) and sardine (*Sardina pilchardus*) at the larval stage. *SpringerPlus*, 5(1), 519.

2015

Angela Cuttitta; Francesca Falco; Grazia Maria Armeri; Isabel Maneiro; Enza Maria Quinci; Paolo Stincone; Marco Torri; Francesco Placenti; Marianna Musco; Matteo Cammarata; Bernardo Patti; Salvo Mazzola. *Morphometric and biochemical analysis highlighting different European anchovy larval subpopulations in the Sicilian and Maltese Shelves*. PONE-D-15-09146 Plos-One .

Angela Cuttitta, Bernardo Patti, Teresa Maggio, Enza Maria Quinci, Anna Maria Pappalardo, Venera Ferrito, Vito De Pinto, Marco Torri, Francesca Falco, Aldo Nicosia, Marianna Musco, Grazia Maria Armeri, Francesco Placenti, Giorgio Tranchida<sup>1</sup>, Roberta Mifsud, Angelo Bonanno and Salvatore Mazzola *Larval population structure of *Engraulis encrasicolus* in the Strait of Sicily as revealed by morphometric and genetic analysis* .Article first published online: 27 FEB 2015DOI: 10.1111/fog.12098;

2014

Fabio D'Agostino, Mario Sprovieri, Elvira Oliveri, \*Emanuela Bagnato, Francesca Falco, Salvatore Mazzola *Direct determination of total mercury in geological samples using alkaline fusion digestion Analytica chimica acta* Vol. 852, ( 2014), Pag. 8-12

2013

Maria Bonsignore, Daniela Salvagio Manta; Elvira Oliveri; Mario Sprovieri, PhD;Gualtiero Basilone;Angelo Bonanno; Francesca Falco; Anna Traina; Salvatore Mazzola.” Mercury in fishes Since Augusta Bay (southern Italy): Risk assessment and health implication”. *Food Chem. Toxicol.* 56C: 184-194;

Bonanno A, S. Zgozi, A. Cuttitta, A. ElTurki, A. DiNieri, H. Ghmati, G. Basilone S. Aronica, M. Hamza, M. Barra, S. Genovese, F. Falco, L. Knittweis, R. Mifsud, B. Patti, T. Bahri, G. Giacalone, I. Fontana, G. Tranchida and S. Mazzola, et al. "Influence of environmental variability on anchovy early life stages (*Engraulis encrasicolus*) in two different areas of the Central Mediterranean Sea." *Hydrobiologia* 701.1 (2013): 273-287.

## Chapters in books:

**2015**

Environmental Pollution and Human Health at 2015, Author \_ Mario Sprovieri “*Study Case Of The Augusta's Bay*”- Institute for Coastal Marine Environment, CNR\_(IAMC) Editing : Annalisa Alessi, (CNR –IAMC). Chp. 10 :Il *Mercury in Fisheries*, p: 89-108;

## PhD thesis

AA 2013-2017: “ **eyes Amino acid composition of small pelagic larval fish at related at oceanographic feature in spawnig Area in Mediterranean sea. ( Channel of Sicily)**” Relatore Prof. Cammarata Matteo. Co Relatore Dott.re Salvatore Mazzola e Dott.ssa Angela Cuttitta;

## **Conferences and conventions**

Masullo, T. and Bennici, C. and Salamone, M. and Tagliavia, M. and Nicosia, A. and **Falco, F.** and Colombo, P. and Bonura, A. and Cuttitta, A. and Mazzola, S. (2015) **Applicazione di un protocollo di immuno-stimolazione su individui di *Pracambarus clarkii* mirato alla produzione di peptidi con attività biologica.** Technical Report. IAMC-CNR, Capo Granitola.

Masullo, T. and Bennici, C. and Salamone, M. and Tagliavia, M. and Nicosia, A. and **Falco, F.** and Colombo, P. and Bonura, A. and Cuttitta, A. and Mazzola, S. (2015) **Esperimento pilota mirato all'analisi dell'effetto della stimolazione immunitaria su *A. viridis*, finalizzato alla produzione di composti biologicamente attivi.**

Technical Report. IAMC-CNR, Capo Granitola. Armeri, G. M. and Cuttitta, A. and Bennici, C. D. and Biondo, G. and Torri, M. and Quinci, E. M. and Patti, C. and Patti, B. and De Luca, B. and Di Maria, A. and **Falco, F.** and Maneiro, I. and Masullo, T. and Musco, M. and Mazzola, S. (2015) **Report on valutazione della biomassa ittioplantonica mediante l'utilizzo del Multi Plankton Sampler (MPS).** Technical Report. IAMC-CNR, Capo Granitola.

### **01/07//2010**

Participation in the conference sea volume "Recruitment success of pelagic fish species is strongly influenced by oceanography factor";

### **09/08/2009**

Participation at 44° congress EMBS Liverpool " ICHTHYOPLANKTONIC CHARACTERIZATION OF MALTESE BANK" ;

*Since 24 to 28 november, 2009* presentation of poster in SIMPOSIO IBERO AMERICANO DE ECOLOGÍA REPRODUCTIVA, RECLUTAMIENTO Y PESQUERÍAS Comparación entre los principales procesos que afectan al crecimiento de las larvas de *Engraulis encrasicolus* en el Canal de Sicilia y aguas de Libia;