

## PERSONAL INFORMATION

Bozza Desiree

WORK  
EXPERIENCE

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- 11/2020–currently **PhD Student in Chemical Sciences**  
University of Ferrara, Ferrara (Italy)
- 07/2020–10/2020 **Postgraduate intern**  
University of Ferrara, Ferrara (Italy)  
My research work was devoted to the purification of biomolecules with high therapeutic interest by means of preparative liquid chromatography
- 06/2010–08/2019 **Common worker**  
KWS ITALIA Spa, Monselice (Italy)  
I have been able to increase my ability to adapt to the workplace, flexibility in working hours and availability of work on holidays.
- 10/2019–01/2020 **University of Ferrara, Ferrara (Italy)**  
Internship at the University of Ferrara. During this period I mainly dealt with the analysis of peptides and organic compounds of different polarity in HPLC and UHPLC, using two detectors DAD and RID. In particular, I investigated the retention mechanisms of a raw glucagon on two stationary phases C18 and phenylhexyl. The retention mechanisms were studied by varying the% of organic modifier and the ion pair agent. Finally, I dealt with the study of the so-called U-shaped curves and excess isotherms.

## ACCADEMIC EXPERIENCE

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- 09/2008–06/2013 **Scientific Maturity**  
Carlo Cattaneo, Monselice (Italy)
- 10/2013–12/2017 **Bachelor's Degree in Chemistry**  
University of Ferrara, Ferrara (Italy)  
**Title of the thesis:**  
*Ultrafast separation by chiral liquid chromatography.*  
I studied ultrafast separation of enantiomers in chiral liquid chromatography.
- 02/10/2017–12/03/2020 **Master Degree in Chemical Sciences**  
University of Ferrara, Ferrara (Italy)  
**Title of the thesis:**  
*Study of the retention mechanisms of biomolecules on modern stationary phases by reverse phase*

Degree obtained with 110/ 110 cum laude

## PERSONAL SKILLS

Mother tongue Italian

Foreign languages	COMPRENSION		SPEAKING		WRITTEN PRODUCTION
	Listening	Reading	Interaction	Oral Production	
English	B2	B2	B2	B2	B2
Spanish	A2	A2	A2	A2	A2

**Communication skills** Good communication skills acquired during internships and workshops. Skills also developed thanks to a volunteer service in which I interfaced with an audience of different ages. Excellent interpersonal skills with children and teenagers acquired during my experience as homework support.

**Organizational and management skills** I acquired excellent organizational and management skills by combining study with summer work, which coincided with the exam session. Moreover, thanks to the workshops offered by my Bachelor's and Master's degree course and in the internship experiences I learned to work in a team, dividing the assigned tasks, reducing working times. Furthermore, I learned to manage my free time by dedicating myself to sports, between study and work as a domestic worker in some private homes and in a small hotel.

**Professional skills** During the internships for the Bachelor's, Master's degree and in the postgraduated period I gained experience in chromatographic techniques. In particular, I have learned to use the following tools: UHPLC, HPLC, CUBE, GC with different detectors such as DAD, RID, FID and HWD. During the training workshops I was able to interface with spectroscopic techniques, UV-Vis, 1H NMR and electrochemical techniques such as Cyclic Voltammetry.

**Digital skills** Window Excel, Window Power Point, Window Word, minimally MatLab

**Driver's license** B

## ACHIEVEMENTS

**Publications** C. De Luca, S. Felletti, D. Bozza, G. Lievore, A. Cavazzini, M. Catani, W. Cabri, M. Macis, A. Ricci, *Moving to continuous chromatography to reshape the downstream process of peptidomimetics: the successful case of icatibant through Multicolumn Countercurrent Solvent Gradient Purification (MCSGP)*

Submitted to Ind. Eng. Chem. Res.

**Certifications** State Examination for professional license – Chemistry

16/11/2020

University of Ferrara