



**Prof.ssa Caterina Faggio**

UNIVERSITA' DEGLI STUDI DI MESSINA

*Dipartimento di Scienze Chimiche, Biologiche, Farmaceutiche ed Ambientali*

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Al Direttore del  
Dipartimento di Scienze Chimiche, Biologiche,  
Farmaceutiche ed Ambientali  
Prof. Sebastiano Campagna

La sottoscritta Prof. Caterina Faggio, chiede che possa essere conferito il titolo di visiting researcher alla dott. Alzbeta Stara- University of South Bohemia in České Budějovice (USB), Faculty of Fisheries and Protection of Waters (FFPW), Research Institute of Fish Culture and Hydrobiology (RIFCH), Laboratory of Aquatic Toxicology and Ichthyopathology. La dottoressa è impegnata nel progetto dal titolo: **The impact of pure THIAC and insecticide containing this substance (Calypso) on mussel (*Mytilus galloprovincialis*)**. Tale ricerca è finalizzata a valutare la qualità dell'ambiente, dal momento che le indagini sui neonicotinoidi, dannosi per le api, possono aiutarci a migliorare i sistemi di valutazione del rischio ambientale dei pesticidi.

La sua permanenza presso i nostri laboratori è iniziata il 03/09/2018 e si protrarrà fino al 12 febbraio 2020.

La dottoressa si è distinta per l'impegno, la costante dedizione e l'autonomia con cui ha affrontato la sperimentazione. Durante la sua permanenza, ha dimostrato di possedere ottime attitudini al lavoro di gruppo. L'attività scientifica, è stata caratterizzata sia da partecipazione a congressi nazionali ed internazionali che da pubblicazioni *in estenso* su riviste internazionali, in cui l'apporto della candidata appare rilevante. Alla luce di ciò ritengo che la dottoressa sia idonea a poter avere il riconoscimento del titolo di visiting researcher.

Si allega il Cv della dott. Alzbeta Stara

Messina, 07/01/2020

Distinti saluti

Prof. Caterina Faggio

## CURRICULUM VITAE

Personal data:	
First name and surname:	<b>Alžběta Stará</b>
Born:	1982
Contact (FFPW JU):	
Actual working place:	University of Messina, Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, Viale Ferdinando Stagno d'Alcontres 31, 98166 Messina, Italy
Employer:	University of South Bohemia in České Budějovice (USB), Faculty of Fisheries and Protection of Waters (FFPW), Research Institute of Fish Culture and Hydrobiology (RIFCH), <b>Laboratory of Aquatic Toxicology and Ichthyopathology</b>
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### R & D results:

Publications on SCOPUS: 51  
 Citations without self-citations according to SCOPUS: 425  
 h-index: 14  
 2 textbooks, 1 book chapter

### The three best publications

**Stará, A.**, Zuskova E., Kouba, A., Velisek, J., 2016. Effects of terbuthylazine-desethyl, a terbuthylazine degradation product, on red swamp crayfish (*Procambarus clarkii*). Science of the Total Environment 566/567: 733–740 (IF 2014 = 3.976)

**Stará, A.**, Kouba, A., Velisek, J., 2014. Effect of Chronic Exposure to Prometryne on Oxidative Stress and Antioxidant Response in Red Swamp Crayfish (*Procambarus clarkii*). BioMed Research International, vol. 2014, Article ID 680131, pp. 6, doi: 10.1155/2014/680131. (IF 2014 = 1.579)

Velíšek, J., Svobodová, Z., Blahová, J., Máchová, J., **Stará, A.**, Dobšíková, R., Široká, Z., Modrá, H., Valentová, O., Randák, T., Štěpánová, S., Kocour Kroupová, H., Maršálek, P., Grabic, R., Zusková, E., Bartošková, M., Stancová, V., 2014. Vodní toxikologie pro rybáře. FROV JU, Vodňany, 600 pp.

### 1. Education

School, Institution [Period from-to]	Academic degree or diploma:
University of South Bohemia in České Budějovice, Faculty of Fisheries and Protection of Waters, Research Institute of Fish Culture and Hydrobiology, Ph.D. study 2010–2014.	Ph.D.
University of South Bohemia, České Budějovice, Agricultural Faculty, Specialization Agroecology, 2007–2009.	Dipl.-Ing.
University of South Bohemia, České Budějovice, Agricultural Faculty, Specialization Agroecology 2004–2007.	B.Sc.

## 2. Professional experience in the Czech Republic

Period from–to	Place	Institution	Position	Specification of the activity
2014 – present	Vodňany	FFPW USB	Scientific and academic worker	Laboratory of Aquatic Toxicology and Ichthyopathology, research activities and teaching
2013 – present	Vodňany	FFPW USB	Laboratory technician	Laboratory of Aquatic Toxicology and Ichthyopathology, lab technician at accredited laboratory
2010 – 2014	Vodňany	FFPW USB	Ph.D. student, technician/ researcher in the fields of biological and related	Laboratory of Aquatic Toxicology and Ichthyopathology, research activities

## 3. Professional experience in abroad

Period	Place	Institution	Specification of the activity
2019 1 month	Padova Italy	University of Padova; Department of Biology, Electron Microscopy Laboratory	Use of molluscs and other marine invertebrates in toxicity tests, determination of biochemical markers in haemolymph and tissues
2018 1 week	Perugia Italy	University of Perugia; Department of Chemistry, Biology and Biotechnology	Biochemical analysis of invertebrates
2017 1 week	Messina Italy	University of Messina; Department of Chemical, Biological, Pharmaceutical and Environmental Sciences	Environmental studies, sampling and processing of shellfish samples ( <i>Mytilus galloprovincialis</i> )
2016 1 week	Amsterdam Netherlands	BioDetection Systems B.V.	<i>In vitro</i> tests – PR CALUX®
2012 3 months	Olsztyn Poland	Faculty of Environment Sciences, University of Warmia and Mazury	Toxicity tests, haematology and histological processing and evaluation of samples
2009 1 month	Split Croatia	Institute of Public Health	Sampling and analysis of water samples

## 4. Courses, training, seminars

Name of courses, training, seminars	Completion of training/course/seminar
Certificate II. degree of professional competence for handling plant protection products in according to § 86 par. 2 of Act no. 326/2004 Coll., as amended. Písek (2017)	Written exam
Training course for drivers and attendants of animals according to Council Regulation (EC) No 1/2005. České Budějovice (2015)	Written exam
Training according to § 15d Act no. 246/1992 of the Code on protection of animals against cruelty. USB České Budějovice (2014)	Written exam
Training according to §17 Act no. 246/1992 of the Code on protection of animals against cruelty. Faculty of Veterinary Medicine, UVPS Brno (2012)	Oral/Written exam

## 5. Certificates, awards etc.

	Title
1.	Certificate – Toxicology in water management, within the sustainability of the project: "Supporting water management workers for further education in the South Bohemian Region", CZ.1.07/3.2.08./02.0043. (2017)
2.	Certificate of training for the implementation of PR CALUX tests for testing the waters. BioDetection Systems BV, Amsterdam, The Netherlands. (2016)
3.	Certificate of competence for drives and attendants according to Council Regulation (EC) no. 1/2005, No. CZ 06395. (2015)
4.	Award of the Rector of the University of South Bohemia, for popularizing book. Velišek, J., et al., 2014. Vodní toxikologie pro rybáře. FFPW USB, Vodňany, 600 p. (2014)
5.	Certificate of professional competence for designing experiments and projects of experiments according to the §15d paragraph 3 of Law no. 246/1992 Code, to protect animals against cruelty, No. CZ01665. (2014)
6.	Specialist course "Survival analysis in program STATISTICA". Praha, CZ. (2014)
7.	Award by Prof. RNDr. Vladimír Sedláček, DrSc. for the best student's presentation on "Toxicity and Biodegradability of Matters Important in Aquatic Environments". FFPW USB, Vodňany, CZ. (2013)
8.	Certificate "Fish histopathology, especially in toxicological studies". FFPW USB, Vodňany, CZ. (2013)
9.	Certificate on qualification for Animal protection against cruelty according to §17 Act no. 246/1992 of the Code, No. CZ00778. (2012)

## 6. Teaching in the Czech Republic

Period from-to	Name
2016 – present	Course at FFPW USB for master students, title: Aquatic toxicology (AQT)
2014 – present	Course at FFPW USB for bachelor students, title: Ecotoxicology (ETOX)
2014 – present	Course at FFPW USB for master students, title: Aquatic toxicology (VTOX)

## 7. Experience with projects

Date	Project, position
2018–2020	Rozvoj JU – Mezinárodní mobilita – MSCA – IF – (RONEONI) – CZ.02.2.69/0.0/0.0/17_050/0008486.
2016–2018	GACR – 16-09709Y – Occurrence and fate of synthetic progestins in aquatic environment and their effect on fish. – Member of research team
2015–2020	Aquaexcel 2020 – 652831 – Aquaculture infrastructures for excellence in European fish research. – Member of research team
2014–2018	NPU CENAKVA – LO1205 – Sustainability and excellence of Centre of Aquaculture and Biodiversity of Hydrocenoses. – Junior researcher
2014–2015	GAJU – 018/2014/Z – Water contamination by chemicals and products and assess their impact on fitness, physiological and reproductive function of fish and crayfish. – Member of research team
2014–2015	Postdoc II – CZ.1.07/2.3.00/30.0049 – Development of postdoctoral positions at the USB. – Assistant Professor
2014	PP 449 Blatná – CZ.1.25/3.4.00/13.00449 – Use of peracetic acid in aquaculture ponds and during the transport of fish. – Member of research team

2014	PP 450 Hluboká – CZ.1.25/3.4.00/13.00450 – Strategies for the treatment of parasitic diseases of carp fish caused by tapeworms. – Member of research team
2014	PP 453 Pohořelice – CZ.1.25/3.4.00/13.00453 – Pesticides based on pyrethroids use for treating parasitic disease common carp. – Member of research team
2012–2016	NAZV – QJ1210237 – Prophylaxis of serious infectious diseases of carp fish. – Ph.D.
2012	GAJU 022/2012/Z – Effect of environmental concentrations of prometryne and its metabolites on non-target organisms of the aquatic ecosystem. USB CB. – Responsible leader
2011	Small experimental student projects Nové Hradky – CZ.1.07/2.3.00/09.0203 – The determination of biomarkers of oxidative stress in carp ( <i>Cyprinus carpio</i> L.) after long-term exposure to environmental concentrations of simazine. USB CB. – Responsible leader
2010–2013	CENAKVA – CZ.1.05./2.1.00/01.0024 – South Bohemian Research Center of Aquaculture and Biodiversity of Hydrocenoses. – Ph.D.