



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **Andrea Varga**  
Address 55 Garii, 457260 Nusalau, Salaj (Romania)  
Mobile +40766422005  
E-mail(s) avarga@chem.ubbcluj.ro  
Citizenship Romanian and Hungarian  
Date of birth 26/01/1987  
Gender Female

### Desired employment / Occupational field **PhD student scholarship**

### Work experience

Dates	2011 →
Occupation or position held	Research and Teaching Assistant
Main activities and responsibilities	Research activity: Isolation and purification of PAL and PAM and activity studies Students teaching activity: Food Biotechnologies laboratories
Name and address of employer	Babes Bolyai University, Faculty of Chemistry and Chemical Engineering 11 Arany Janos, 400028 Cluj Napoca (Romania)
Dates	11.2011 → 04.2012
Occupation or position held	Erasmus student
Main activities and responsibilities	Research activity: Characterization of phenilalanin ammonia lyase (PAL) isolated from thermophilic bacteria Research domain: enzymology
Name and address of employer	Scientific coordinator: Beata G. Vertessy Institute of Enzymology MTA 29 Karolina, H-1113, Budapest

### Education and training

Dates	2012 →
Title of qualification awarded	PhD student
Principal subjects / occupational skills covered	PhD studies in biochemistry
Name and type of organisation providing education and training	Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering 11 Arany Janos, 400028 Cluj Napoca (Romania)
Dates	2010 - 2012
Title of qualification awarded	MSc in Processing and Control in Food Industry
Principal subjects / occupational skills covered	- organic chemistry - food industry

Name and type of organisation providing education and training Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering  
11 Arany Janos, 400028 Cluj Napoca (Romania)

Dates 2006 - 2010

Title of qualification awarded BSc in Chemistry and Engineering of Biochemical, Chemical and Petrochemical Compounds

Principal subjects / occupational skills covered - chemistry (organic, inorganic, analytical)  
- transfer processes (heat, mass, impulse)

Name and type of organisation providing education and training Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering  
11 Arany Janos, 400028 Cluj Napoca (Romania)

## Personal skills and competences

Mother tongue(s) **Hungarian**

Other language(s)

Self-assessment  
*European level (\*)*

**Romanian**

**English**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

(\*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences Team spirit and good communication skills;  
Intercultural skills: I have worked in research groups with members of different nationalities (Romanian, hungarian, french, austrian);

Technical skills and competences - Good command of High Performance Liquid Chromatography;  
- Good knowledge in: Circular Dichroism, Spectrophotometry, Gel Electrophoresis (SDS-PAGE);  
- Experience in: biocatalysis, chromatographic separation of chiral compounds, cell culture, enzyme purification; molecular cloning, etc.

Computer skills and competences Competence in:  
- Microsoft Office (Word, Excel, PowerPoint);  
- ChemBioOffice; MestreNova; Chemstation;

Driving licence(s) B

## Additional information

Scientific publications:

- Weiser D., Varga A., Kovacs K., Nagy F., Szilagyi A., Vertessy G. B., Paizs C., Poppe L.: Bis-Epoxyde Cross-Linked Enzyme Aggregates - Novel Immobilized Biocatalysts for Selective Biotransformations, *ChemCatChem*, 2013, doi: 10.1002/cctc.201300806
- Kovacs K., Banoczi G., Varga A., Szabo I., Holczinger A., Hornyaszky G., Zagyva I., Paizs C., Vertessy G. B., Poppe L.: Expression and properties of the highly alkalophilic phenylalanine ammonia lyase of thermophilic *Rubrobacter xylanophilus*, *Plos-One*, 2013, accepted.

Conference publications:

- A. Varga, B. Nagy, C. Paizs, J. Brem: Optikailag aktiv (hetero)aril  $\beta$ -hidroxi-propánsav származékok biokatalitikus szintézise, *14th Transsylvanian Students Scientific Conference, 13-15 may 2011, Cluj-Napoca*
- I. Szabó, A. Varga, K. Kovács, B. G. Vértessy, C. Paizs, L. Poppe: The phenylalanine ammonia lyase enzyme from a thermophilic bacteria shows extremely high alkaline pH optimum, *9th International Conference "Students for Students" 10-13 May 2012, Cluj-Napoca.*

