



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Czekes Zsolt**

Address(es) 25/2, Trotuşului, 540156, Târgu Mureş, jud. Mureş, România
correspondence: 5-7, Clinicilor, 400006, Cluj-Napoca, jud. Cluj, România

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Fax(es)

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Nationality Romanian citizenship / Hungarian nationality

Date of birth 19.09.1982

Gender male

Work experience

Dates **2003-2004**

Occupation or position held Laboratory assistant

Main activities and responsibilities Preparations for laboratory works

Name and address of employer Bolyai Farkas Highschool (Liceul Teoretic Bolyai Farkas), str. Bolyai nr .3, Târgu Mureş, jud. Mureş, România

Type of business or sector education

Dates **2008-2009**

Occupation or position held teacher

Main activities and responsibilities teaching

Name and address of employer Jósika Miklós Highschool (Liceul Teoretic Jósika Miklós), str. Haşdeu nr. 4, Turda, jud. Cluj, România

Type of business or sector education

Dates **2009-2012**

Occupation or position held PhD student

Main activities and responsibilities Educational and research activities

Name and address of employer Department of Taxonomy and Ecology, Babeş-Bolyai University, 400006, Cluj-Napoca, Cluj county, str. Clinicilor nr. 5-7, Romania

Type of business or sector Educational and Research

Dates **2013-2015**

Occupation or position held researcher

Main activities and responsibilities research activities

Name and address of employer	Hungarian Department of Biology and Ecology, Babeş-Bolyai University, 400006, Cluj-Napoca, Cluj county, str. Clinicilor nr. 5-7, Romania
Type of business or sector	Research
Education and training	
Dates	2009-2012
Title of qualification awarded	PhD in Biology
Principal subjects/occupational skills covered	Habitats of Great Importance and specific for Romania, Electronic Microscopy
Name and type of organisation providing education and training	Babeş-Bolyai University, Faculty of Biology and Geology, Cluj-Napoca, RO
Level in national or international classification	PhD
Dates	2008-2009
Title of qualification awarded	MSc. in Biology
Principal subjects/occupational skills covered	Plant Ecology, Regulation of Ecological Systems, The Biological Evaluation of Water Quality, Plant Stress Physiology, European and Romanian Biogeography
Name and type of organisation providing education and training	Babeş-Bolyai University, Faculty of Biology and Geology, Cluj-Napoca, RO
Level in national or international classification	MSc
Dates	2007.07.30 - 08.24
Title of qualification awarded	-(internship)
Principal subjects/occupational skills covered	Limnology, bioacustics and biomanipulation, ichthyology
Name and type of organisation providing education and training	Balaton Limnological Institute of the Hungarian Academy of Sciences
Level in national or international classification	-
Dates	2007.07.30 - 08.24
Title of qualification awarded	-(internship)
Principal subjects/occupational skills covered	Limnology, bioacustics and biomanipulation, ichthyology
Name and type of organisation providing education and training	Balaton Limnological Institute of the Hungarian Academy of Sciences
Level in national or international classification	-
Dates	2004-2008
Title of qualification awarded	BSc in Biology
Principal subjects/occupational skills covered	Ecology, genetics, Entomology, Cytology, Histology, Human Anatomy, Plant Physiology, Animal Physiology, Cellular Biology, Zoology of Invertebrates, Zoology of Vertebrates, Botany, Microbiology...
Name and type of organisation providing education and training	Babeş-Bolyai University, Faculty of Biology and Geology, Cluj-Napoca, RO

Level in national or international classification | BSc

Dates | **2004-2008**

Title of qualification awarded | teacher

Principal subjects/occupational skills covered | Psychology, pedagogy, didactical methodics

Name and type of organisation providing education and training | Babeş-Bolyai University, Department for the Training of Didactic Personnel , Cluj-Napoca, RO

Level in national or international classification

Personal skills and competences

Mother tongue(s) | Hungarian

Other language(s) | **Romanian, English, Italian, German**

Self-assessment
European level ()*

Romanian

English

Italian

German

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
C2	C2	C2	C2	C2	
C2	C2	C1	C1	C1	
A2	A2	A1	A1	A1	
A2	A2	A1	A1	A1	

Social skills and competences | Sociable person, capability of organizing and participate in teamwork.

Organisational skills and competences | Capability of organizing research projects, scientific events (conferences, workshops)

Technical skills and competences | Expert in myrmecology (entomolgy), PC using skills, ability to handle scientific equipment

Computer skills and competences | Scientific Writing, Data analysis (IBM SPSS Statistics, R, PAST, GIS, MARK)

Driving licence | B category

Annexes | Annex1: List of Publications

List of Publications

Scientific articles (Total IF 3,72)

- Czekes, Zs.**, Markó, B., Nash, D.R., Ferencz, M., Lázár, B., Rákósy, L. (2013): Differences in oviposition strategies between two ecotypes of the endangered myrmecophilous butterfly *Maculinea alcon* (Lepidoptera: Lycaenidae) under unique syntopic conditions – Insect Conservation and Diversity (Early View) DOI: 10.1111/icad.12041 **IF 1,71**
- Czekes, Zs.**, Radchenko A. G., Csósz S., Szász-Len A., Tăușan I., Benedek K., Markó B. (2012): The genus *Myrmica* Latreille, 1804 (Hymenoptera: Formicidae) in Romania: distribution of species and key for their identification - *Entomologica romanica*. 17:29-50
- Markó, B., **Czekes, Zs.**, Erős, K., Csata, E., Szász-Len, A.-M. (2012): The largest known polydomous system of mound building *Formica* ants (Hymenoptera: Formicidae) in Europe - *North-Western Journal of Zoology* 8(2):287-291. **IF 0.75**
- Csata, E., **Czekes, Zs.**, Erős, K., Németh, E., Hughes, M., Csósz, S., Markó, B. (2012): Myrmecopathogenic fungi in Romania: list of species, distribution and host range. *North-Western Journal of Zoology* 9(1) **IF 0.75**
- Csata, E., Markó, B., Erős, K., Gál, Cs., Szász-Len, A.-M., **Czekes, Zs.** (2012): Information exchange centres in *Formica exsecta* Nyl. (Hymenoptera: Formicidae): outstations in a polydomous system. - *Polish Journal of Ecology* 60(1): 177-186. **IF 0.51**
- Erős, K., Csata, E., Gál Cs., **Czekes, Zs.**, Szász-Len, A.-M., Szőke, Zs., Maák, I., Markó, B. (2011): Hangya-levéltetű-gazdanövény kapcsolatok egy egyedi szuperkoloniális rendszerben a vaslábi Fenékláp határában. In: Markó, B., Sárkány-Kiss, E. (eds.): A Gyergyói-medence: egy mozaikos táj természeti értékei. *Presa Universitară Clujeană*, Cluj-Napoca p. 244: 131-148 pp. (in Hungarian).
- Erős, K., Markó, B., Gál, Cs., **Czekes, Zs.**, Csata, E. (2009): Sharing versus monopolizing: distribution of aphid sources among nests within a *Formica exsecta* Nyl. (Hymenoptera: Formicidae) supercolony - *Israel Journal of Entomology* 39: 105-127.

Conferences

International conferences:

2007

1. Kiss, K., Markó, B., **Czekes, Zs.**, Kocsis, B., Pál, A.: The effect of *Formica exsecta* (Hymenoptera: Formicidae) supercolony on coexisting ant community. – *8th Behavioural Ecology Meeting*, 2007, Cluj-Napoca.

2009

2. **Czekes, Zs.**, Kiss, K., Szőke Zs., Erős, K., Pál, A., Kocsis, B., Német, E., Maák, I., Markó, B.: The community organizing role of supercolonies in *Formica exsecta* Nylander ant species (Hymenoptera: Formicidae) – effects of seasonal and spatial variations. – *8th Hungarian Ecological Congress*, 26-28.08.2009., Szeged, Hungary.
3. Maák, I., Szőke, Zs., Erős, K., **Czekes, Zs.**, Markó, B.: The use of space by neighbouring *Formica pratensis* Retz. and *Formica exsecta* Nyl. nests (Hymenoptera: Formicidae): competition or sharing? – *8th Hungarian Ecological Congress*, 26-28.08.2009., Szeged, Hungary.
4. Erős, K., Szőke, Zs., **Czekes, Zs.**, Maák, I., Markó: The distribution of aphids in a supercolony of the territorial ant species *Formica exsecta* Nyl.(Hymenoptera: Formicidae). – *8th Hungarian Ecological Congress*, 26-28.08.2009., Szeged, Hungary.

2010

5. **Czekes, Zs.**, Erős, K., Szőke, Zs., Maák, I., Markó, B.: Density dependent effect of a *Formica exsecta* supercolony on ant community composition and foraging success of rivals. - *Congress of the International Union for the Study of Social Insects* - Copenhagen, Denmark, 8-13 august 2010
6. Erős, K., Gál, Cs., Csata, E., **Czekes, Zs.**, Szász-Len, A.-M., Szőke, Zs., Maák, I., Markó, B.: Within supercolony differences in aphid source sharing among nest in *Formica exsecta* Nyl. (Hymenoptera: Formicidae). - *Congress of the International Union for the Study of Social Insects* - Copenhagen, Denmark, 8-13 august 2010

2011

7. **Czekes, Zs.**, Ferencz, M., Molnár, Gy., Lázár, B., Markó, B. - Differences and similarities in the egg laying preference of *Phengaris alcon* and *Phengaris 'rebeli'* (Lepidoptera: Lycaenidae) in a sympatric population - *2nd Central European Meeting of the IUSSI*, Papenburg, Germany, 25-28 March 2011
8. Csata, E., Erős, K., Gál, Cs., Szász-Len, A.-M., **Czekes, Zs.**, Markó, B.: Oustations in *Formica exsecta* Nyl., 1846 (Hymenoptera: Formicidae) polydomous system: the effects of aphid colony and ant nests densities - *2nd Central European Meeting of the IUSSI*, Papenburg, Germany, 25-28 March 2011
9. Markó, B., Erős, K., Német, E., **Czekes, Zs.**, Csata, E.: Prevalence and body part specificity of *Rickia wasmannii* Cavara in *Myrmica scabrinodis* Nyl. (Hymenoptera: Formicidae) in Romania. - *2nd Central European Meeting of the IUSSI*, Papenburg, Germany, 25-28 March 2011
10. **Czekes, Zs.**, Markó, B., Ferencz, M., Lázár, B., Molnár, Gy., Nash, D. R. and Rákossy, L.: The effect of host plant characteristics and ant community structure on egg laying patterns in sympatric populations of *Maculinea alcon alcon* and *M. alcon 'rebeli'* - *4th Central European Workshop of Myrmecology*, Cluj-Napoca, 15-18 September 2011
11. Benedek, K., Kóbori, O., **Czekes, Zs.**: Opposite of 'dear enemy' phenomenon in *Formica pratensis* Retz. (Hymenoptera: Formicidae) - *4th Central European Workshop of Myrmecology* - *4th Central European Workshop of Myrmecology*, Cluj-Napoca, 15-18 September 2011
12. Erős, K., Szász-Len, A.-M., Csata, E., **Czekes, Zs.**, Markó, B.: Habitat characteristics of polydomous systems in *Formica exsecta* Nyl. (Hymenoptera: Formicidae) in Eastern Carpathians, Romania. - *4th Central European Workshop of*

Myrmecology, Cluj-Napoca, 15-18 September 2011

13. Szász-Len, A.-M., Erős, K., Csata, E., **Czekes, Zs.**, Markó, B.: Habitat preference of *Myrmica vandeli* Bondroit, 1920 (Hymenoptera: Formicidae) and its place in the ant communities. - 4th Central European Workshop of Myrmecology, Cluj-Napoca, 15-18 September 2011
14. Markó, B., Csata, E., Erős, K., **Czekes, Zs.**, Németh, E.: The effect of the parasitic fungus *Rickia wasmannii* (Ascomycetes: Laboulbeniales) on the lifespan of its host ant *Myrmica scabrinodis* (Hymenoptera: Formicidae). - 4th Central European Workshop of Myrmecology, Cluj-Napoca, 15-18 September 2011
15. Csata, E., **Czekes, Zs.**, Erős, K., Németh, E., Markó, B.: Myrmecopathogenic fungi in Romania. - 4th Central European Workshop of Myrmecology, Cluj-Napoca, 15-18 September 2011
16. Maák, I., Szőke, Zs., Erős, K., **Czekes, Zs.**, Markó, B.: Territorial debates between *Formica pratensis* Retz. and the supercolonial *F. exsecta* Nyl.: conflict or competition? - 4th Central European Workshop of Myrmecology, Cluj-Napoca, 15-18 September 2011

2012

17. **Czekes, Zs.**, Molnár Gy., Ferencz, M., Lázár, B., Markó B.: Ant community structure of syntopic populations of *Maculinea alcon* and *Maculinea 'rebeli'* (Lepidoptera: Lycaenidae) - The 5th Congress of the European Sections of the International Union for the Study of Social Insects, 26-30 August 2012, Montecatini Terme, Italy

2013

18. Erős, K., Markó, B., **Czekes, Zs.**, Csata, E., Fákó, N.: Simple defense mechanisms that keep Pandora's box closed in a polydomous ant nest system parasitised by a lethal fungus. The 3rd Central European section Meeting of the International Union for the Study of Social Insects, Cluj-Napoca, 14-18 March 2013.
19. **Czekes Zs.**, Molnár Gy., Ferencz M., Markó B.: Ant communities of *Maculinea alcon* and *M. 'rebeli'* populations' habitats in Transylvania, Romania. The 3rd Central European section Meeting of the International Union for the Study of Social Insects, Cluj-Napoca, 14-18 March 2013.
20. Benedek, K., **Czekes, Zs.**: Impact of territorial *Formica* (Hymenoptera: Formicinae) species to the ant community. The 3rd Central European section Meeting of the International Union for the Study of Social Insects, Cluj-Napoca, 14-18 March 2013.

National conferences:

2008

1. **Czekes, Zs.**, Kiss, K., Pál, A., Kocsis, B., Németh, E., Markó, B.: Pattern related competitive effects of a *Formica exsecta* supercolony. – *The Biology Days of Cluj*, 25-26.04.2008, Cluj-Napoca.
2. Pál, A., Kocsis, B., **Czekes, Zs.**, Markó, B.: Foraging strategy of the slave-maker *Formica sanguinea* ant species (Hymenoptera: Formicidae). – *The Biology Days of Cluj*, 25-26.04.2008, Cluj-Napoca.

2009

3. **Czekes, Zs.**, Erős, K., Maák, I., Szőke, Zs., Kiss, K., Markó, B.: The role of supercolonial behaviour in shaping ant community structure in the *Formica exsecta* Nylander ant species (Hymenoptera: Formicidae). – *The Biology Days of Cluj*, 03-04.04.2009, Cluj-Napoca.

2010

4. Erős, K., Szász-Len, A.-M., **Czekes, Zs.**, Csata, E.: The habitat preference of the *Formica exsecta* Nyl. supercolony. - *The 3rd Myrmecological Symposium of the Carpathian Basin*, 1-5 September 2010, Senetea, Romania, (in Hungarian).
5. Csata, E., Erős, K., Német, E., **Czekes, Zs.**, Markó, B.: The characteristics of the host-parasite relationship in the case of the *Rickia wasmannii* Cavara, 1899, ectoparasite fungus and the *Myrmica scabrinodis* Nylander, 1846 ant species. - *The 3rd Myrmecological Symposium of the Carpathian Basin*, 1-5 September 2010, Senetea, Romania, (in Hungarian).
6. **Czekes, Zs.**, Erős, K., Szőke, Zs., Maák, I., Markó, B., Kiss, K., Pál, A., Kocsis, B.: Density dependent effect of a *Formica exsecta* supercolony on ant community composition and foraging success of rivals. - *The 3rd Myrmecological Symposium of the Carpathian Basin*, 1-5 September 2010, Senetea, Romania, (in Hungarian).
7. Markó, B., **Czekes, Zs.**, Erős, K.: The supercolony – a top strategy in ant competition – The Naturalists for Transylvania Society , Biology and Geology Faculty, Babes-Bolyai University, 29 November 2010, Cluj-Napoca. (in Romanian).

2011

8. Ferencz, M., Lázár, B., Molnár, Gy., **Czekes, Zs.**, Markó, B. – Egg laying differences in the egg laying of sympatric *Phengaris alcon* and *P. 'rebeli'* (Lepidoptera: Lycaenidae) – *The Biology Days of Cluj* 08-10 April 2011, Cluj-Napoca, p. 16. (in Hungarian).
9. Markó, B., Erős, K., Német, E., **Czekes, Zs.**, Csata, E.: Host and body part specificity of the parasitic fungus *Rickia wasmanni* Cavara (Ascomycetes: Laboulbeniales). - *The Biology Days of Cluj* 08-10 April 2011, Cluj-Napoca, p. 19. (in Hungarian).
10. Csata, E., Erős, K., Gál, Cs., Szász-Len, A.-M., **Czekes, Zs.**, Markó, B.: Outstations in a *Formica exsecta* Nyl. (Hymenoptera: Formicidae) polydomous system - *The Biology Days of Cluj* 08-10 April 2011, Cluj-Napoca, p. 22. (in Hungarian).
11. **Czekes, Zs.**, Ferencz, M., Lázár, B., Molnár, Gy., Markó, B. – Egg laying strategies in sympatric *Phengaris alcon* and „rebeli” – the 21st National Symposium of the Romanian Lepidopterological Society, April 16 – 17, 2011, Cluj-Napoca, Romania (In Romanian)

2012

12. Erős, K., Szász-Len, A-M., Csata, E., **Czekes, Zs.**, Markó, B.: Habitat characteristics of polydomus systems in *Formica exsecta* Nyl. and the effect of supercolonies on ant communities. - *The Biology Days of Cluj*, 30-31 March 2012, Cluj-Napoca, p. 29. (in Hungarian).
13. Molnár Gy., Ferencz M., **Czekes Zs.**, Markó B.: Hangya gazdafajok elterjedése és a hangyaközösség szerkezete szimpatikusan élő *Phengaris alcon* és *P. 'rebeli'* populációk élőhelyén. *9th Hungarian Ecological Congress*, 5-7 September 2012, Keszthely, Hungary (in Hungarian).
14. Ferencz M., Molnár Gy., **Czekes Zs.**, Markó B.: A *Maculinea alcon alcon* és *Maculinea alcon 'rebeli'* (Lepidoptera: Lycaenidae) tápnövény-használata közötti különbségek szintopikus populációk esetén. *4th Myrmecological Symposium of the Carpathian Basin*, 30 July – 3 August 2012, Kisnamény, Hungary (in Hungarian).
15. Molnár Gy., Ferencz M., **Czekes Zs.**, Markó B.: A *Maculinea alcon* és *M. 'rebeli'* hangyagazda-fajainak elterjedése és a hangyaközösség szerkezete szintopikus populációk élőhelyén. *4th Myrmecological Symposium of the Carpathian Basin*, 30 July – 3 August 2012, Kisnamény, Hungary (in Hungarian).

2013

16. Molnár Gy., Ferencz M., **Czekes Zs.**, Markó B.: A hangyaközösség szerkezetének vizsgálata a szürkés hangyaboglárka (*Maculinea alcon xerophila*) szintopikus és nem szintopikus populációinak élőhelyén. *The Biology Days of Cluj*, 12-14 April 2013, Cluj-Napoca, Romania (in Hungarian)
17. Ferencz M., Molnár Gy., **Czekes Zs.**, Vizauer Tibor-Csaba: Egy védett lepkefaj, a *Maculinea alcon 'xerophila'* (Lepidoptera: Lycaenidae) torockói populációjának felmérése. *The Biology Days of Cluj*, 12-14 April 2013, Cluj-Napoca, Romania (in Hungarian).
18. **Czekes Zs.**, Ferencz M., Molnár Gy., Markó B.: Eltérő peterakási stratégia a szürkés (*Maculinea alcon alcon*) és karszti hangyaboglárkánál (*Maculinea alcon xerophila*) (Lepidoptera: Lycaenidae). *The Biology Days of Cluj*, 12-14 April 2013, Cluj-Napoca, Romania (in Hungarian).