

CURRICULUM VITAE

1. NAME AND PERSONAL DATA:

First name: **Adalbert**
Family name: **Balog**
Citizenship: Romanian
Gender: male
Year of birth: 1973

2. ACADEMIC QUALIFICATIONS:

Ph.D Ecology (2003), Corvinus University Budapest. Department of Entomology. Budapest, Hungary.
MSc Biocenology 1997-1998, Babes-Bolyai University of Cluj, Faculty of Biology-Geology, Romania.

BSc Biology 1993-1997, Babes-Bolyai University of Cluj, Faculty of Biology-Geology, Romania.

3. CURRENT POSITION:

Lecturer at Sapientia University, Faculty of Tehnical Science, Tg-Mures, Romania. Institution web page: <http://ms.sapientia.ro>

Teaching experience:

Entomology from 2003

Ecology from 2004

4. RESEARCH INTERESTS:

Insect predacious ecology, rove beetles (Staphylinidae) taxonomy and ecology, insect biodiversity, human disturbances in natural and agro-ecosystems

5. ACADEMIC FELLOWSHIPS:

- 1999-09-01 2002-08-31 Ph.D fellowship, Ministry of Education, Budapest, Hungary.
- 2002-08-01 2002-11-01 Research Assistant, Horticulture Research International, East Malling, UK.
2002-10-01 2003-07-31 Post doctoral fellowship Sapientia University, Cluj -Romania.
- 2004-08-01 2004-09-01 Domus Hungariae senior Research Fellowship, founded by the Hungarian Academy of Science.
- 2004-09-01 2007-08-01 Post doctoral fellowship Bolyai János the Hungarian Academy of Science.

Leading research fellowships:

1. 2004-04-01 2004-09-30 Research fellowship (80/18.05.2004), Sapientia University, Cluj - Romania. The community structure of Staphylinid species in conventionally treated apple orchards.
2. 2005-10-03 2006-09-30 Rufford Small Grant for Nature Conservation) (56/07/2005). Conserving the flora and fauna of Balea Lake region Transylvania-Romania. www.rufford.org.

3. 07/05/2007 European Science Foundation, Behavioural Ecology of Insect Parasitoids - from theoretical approaches to field applications (BEPAR): Optimality modelling of behavioural ecology of the parasitoid rove beetles *Aleochara bilineata* and *A. bipustulata* (Coleoptera: Staphylinidae) in Hungarian agricultural fields (2007/1663). www.esf.org

Member in research fellowships:

1. 2004-10-01 2005-07-31 Research fellowship (14/2004-2005), Sapientia University, Scale invariant modelling in macro ecology. www.emte.ro. Leader: Prof. Dr. Néda Zoltán
2. 2005-10-01 2006-07-31 Research fellowship (1296/25.10.2005), Sapientia University, Neutral model studies in Macroecology. www.emte.ro. Leader: Prof. Dr. Néda Zoltán
3. 2004-10-31 2005-09-30 Rufford Small Grant for Nature Conservation (142/07/2004). Conserving the flora and fauna in peat bog Mohos, Transylvania-Romania. www.rufford.org.

6. ARTICLES, PUBLICATIONS

International refereed journals and proceedings: 26

Romanian refereed journals: 15

Student books: 3

Hungarian non refereed journals: 2

Romanian non refereed journals and proceedings: 17

Popularization papers: 8

Books

Balog A.: *Zoology in plant protection - Növényvédelmi állattan – elméleti rész.* (lb. Maghiară) Egyetemi Kiadó, Budapest (University Press Budapest-Ungaria), 2002. 98 pagini.

Balog A., Bálint J., Kiss K.: *Entomology - Entomologie Horticolă- Kertészeti Rovartan.* (lb. maghiară). Editura University Press, Tg.-Mureş 2008. **ISBN 978-973-169-010-0**, 180 pagini.

Balog, A., Bálint, J., Kovács L., Kentelky E., Jakab S., Nyárádi I.I., Thiesz R.: *Az Erdélyi Magyar agrár oktatás múltja, jelene és jövője*, Editura Niko, Tg.Mureş 2008, **ISBN 978-973-1947-02-0**, 100 pagini.

Book published in web.

Balog A., *Utilizarea Energetică a Materialelor și a Derivatelor Agricole, Curriculum pentru Manageri (Nivel Avansat)*, 2006. www.ileap-project.net

Book chapter

Balog A.: *Holyvák (Coleoptera: Staphylinidae)*. In: Balázs, K. és Mészáros, Z. (ed.): *Biológiai védekezés természetes ellenségekkel - Biological pest management with natural enemies*. Mezőgazda Kiadó Budapest. (In press 2008).

Publication list

International papers covered by ISI

Balog, A., Markó, V., Imre, A. (in press 2008): Farming system and habitat structure effects on rove beetles (Coleoptera: Staphylinidae) assembly in Central European apple and pear orchards. *BIOLOGIA*.

Thiesz, R., Bandi, A., Toth, M., **Balog, A.** (in press 2008): Evaluation of an isolated Persian walnut (*Juglans regia* L.) population from Eastern Transylvania, Romania. *JOURNAL OF FOOD, AGRICULTURE & ENVIRONMENT*.

Balog A., Markó V., Ferencz L.: *Patterns in distribution, abundance and prey preferences of parasitoid rove beetles Aleochara bipustulata (L.) (Coleoptera: Staphylinidae, Aleocharinae) in Hungarian agro ecosystems*. *NORTH-WESTERN JOURNAL OF ZOOLOGY*, 4 (1), pp. 6-15, 2008. <http://herp-or.uv.ro/nwjz>.

Hartel T. R., Moga C. I., Öllerer K., Demeter L., Sas I., Rusti D. M., **Balog A.:** *A proposal towards the incorporation of spatial heterogeneity into animal distribution studies in Romanian landscapes*. *NORTH-WESTERN JOURNAL OF ZOOLOGY*, 4 (1), pp. 67-74, 2008. <http://herp-or.uv.ro/nwjz>.

Balog A., Markó V., Ádám L.: *Rove beetles (Coleoptera: Staphylinidae) collected during the long term ecological research in a Hungarian oak forest*. *JOURNAL OF ENVIRONMENTAL BIOLOGY*, vol. 29 (2), pp. 263-266, 2008. http://www.geocities.com/j_environ_biol/

Balog A., Markó V., Szarvas P.: *Dominance, Activity Density and Prey Preferences of Rove Beetles (Coleoptera: Staphylinidae) in Conventionally Treated Hungarian Agro-Ecosystems*. *BULLETIN OF ENTOMOLOGICAL RESEARCH* vol. 98 (2), 259-269, 2008. <http://www.editorialmanager.com/ber/default.asp>

Balog A., Markó V.: *Chemical disturbances effects on community structure of rove beetles (Coleoptera: Staphylinidae) in Hungarian agricultural fields*. *NORTH-WESTERN JOURNAL OF ZOOLOGY*, 3 (2), 67-74, 2007, <http://herp-or.uv.ro/nwjz>.

Balog A., Markó V.: *The Community Structure Studies on Rove Beetles (Coleoptera: Staphylinidae) in Differently Treated Apple Orchards in Hungary*. *ACTA PHYTOPATHOLOGICA ET ENTOMOLOGICA HUNGARICA*. vol. 42 (2), 376-385, 2007. <http://www.akademiai.com/content/1588-2691/?sortorder=asc&v=expanded>

Balog A., Markó V.: *The Species Composition and the Community Structure of the Rove Beetles (Coleoptera: Staphylinidae) in Vineyard Ecosystems*. *ACTA PHYTOPATHOLOGICA ET ENTOMOLOGICA HUNGARICA*. vol. 42 (2), 367-376, 2007. <http://www.akademiai.com/content/1588-2691/?sortorder=asc&v=expanded>

Balog A., Markó V.: *Rove beetles (Coleoptera: Staphylinidae) in central European apple and pear orchards – comparative studies of species richness, abundance and diversity*. *JOURNAL OF PLANT PROTECTION RESEARCH* vol. 47(3), 309-320, 2007. [http://www.plantprotection.pl/PDF/47\(3\)/JPPR_47\(3\)_09_Balog.pdf](http://www.plantprotection.pl/PDF/47(3)/JPPR_47(3)_09_Balog.pdf)

Balog A., Thiesz R., Ferencz L., Albert J.: *The effects of plant extracts on apple aphid (Homoptera: Aphis pomi De Geer) under laboratory conditions*. ROMANIAN BIOTECHNOLOGICAL LETTER, 12 (5) pp. 3423-3430, 2007. <http://ebooks.unibuc.ro/biologie/RBL/vol12nr5/cuprins.htm>

Thiesz R., **Balog A.**, Ferencz L., Albert J.: *The effects of plant extracts on apple scab (Venturia inaequalis Cooke) under laboratory conditions*. ROMANIAN BIOTECHNOLOGICAL LETTER, 12 (4), pp. 3295-3302, 2007. <http://ebooks.unibuc.ro/biologie/RBL/vol12nr4/cuprins4.html>

Thiesz, R., Bandi, A, Tóth, M., **Balog, A.**: Epidemiological survey of *Xanthomonas arboricola* pv. *juglandis* and *Gnomonia leptostyla* on natural population of walnut (*Juglans regia*) in eastern Transylvania. INTERNATIONAL JOURNAL OF HORTICULTURAL SCIENCE 13 (4). Pp. 7-11, 2007.

Balog A., Markó V.: *Studies on Rowe Beetles (Coleoptera: Staphylinidae) in Hungarian orchards ecosystems*. JOURNAL OF FRUIT AND ORNAMENTAL PLANT RESEARCH. vol. 14 (Suppl. 3), 149-159, 2006. http://www.insad.pl/vol_XIV_supplement_3.html

Kutasi Cs., **Balog A.**, Markó V.: *Species Composition of Ground Dwelling Carabid (Coleoptera: Carabidae) Communities in Apple and Pear Orchards in Hungary*. ACTA PHYTOPATHOLOGICA ET ENTOMOLOGICA HUNGARICA. 39 (1-3), pp. 71-89, 2004. <http://www.akademai.com/content/1588-2691/?sortorder=asc&v=expanded>

Balog A., Markó V., Kutasi Cs., Ádám L.: *Species Composition of Ground Dwelling Staphylinid (Coleoptera: Staphylinidae) Communities in Apple and Pear Orchards in Hungary* ACTA PHYTOPATHOLOGICA ET ENTOMOLOGICA HUNGARICA 38 (1-2), pp. 181-198, 2003. <http://www.akademai.com/content/1588-2691/?sortorderasc&vexpanded>

International papers covered by international databases

Néda Z., Ravasz M., **Balog A.**: *Species Abundance Distribution in a Neutral Community model*. STUDIA UNIVERSITATIS BABES-BOLYAI PHYSICA, L, 2, pp. 63-79, 2005 <http://www.studia.ubbcluj.ro/arhiva/cuprins> (ISI Thomson Master Journal List).

Balog A., Markó V., Ádám L.: *Magyarországi alma és körteültetvények gyakori holyva (Coleoptera: Staphylinidae) fajai*. NÖVÉNYVÉDELEM 41 (8), 355-362, 2005 (BIOSIS Previews, CAB Abstracts). <http://www.matarka.hu/cikk>

Balog A., Markó V.: *Magyarországi alma és körteültetvények holyva együtteseinek Coleoptera: Staphylinidae) élőhely preferenciája*. NÖVÉNYVÉDELEM 41 (10), 453-460, 2005 (BIOSIS Previews, CAB Abstracts). http://www.matarka.hu/cikk_list.php?fusz=15284

Ravasz M., **Balog A.**, Markó V., Néda Z.: *The Species Abundances Distribution in a new perspective*, preprint, 2005, (Los Alamos National Laboratory, USA) <http://www.arxiv.org/abs/q-bio.PE/0503026>.

Kutasi Cs., **Balog A.**, Markó V.: *Ground dwelling Coleopteran fauna of commercial apple orchards in Hungary, Integrated Fruit Production*. IOBC-WPRS BULLETIN Vol. 24 (5) pp. 215-219, 2001. **Zoological Record (Institute for Scientific Information - Thomson ISI), Directory of Open Access Journals (DOAJ), Zoological Record Plus (BIOSIS and CSA - Cambridge Scientific Abstracts)**. http://www.iobc-wprs.org/pub/bulletins/bulletin_2001_24_05.pdf

Balog A.: *Omalium imitator* Luze 1906 (Coleoptera: Staphylinidae, Omaliinae), a Rare Species in Romanian Fauna. STUDIA UNIVERSITATIS BABES-BOLYAI BIOLOGIA, XLIV, 1-2, pp. 79-81, 1999. <http://www.studia.ubbcluj.ro/arhiva/cuprins> (ISI Thomson Master Journal).

Proceedings in international conferences

Szabolcs Horvát, Zoltán Néda, Hajnalka Mária Tohati, Aranka Derzsi, **Adalbert Balog** (2008): A Spatially Explicit Macroecological Model. II Transylvanian Summer School, International Workshop on Stochastic Phenomena. 26-31 May, Babeş-Bolyai University, Cluj-Napoca, Romania.

Thiesz R., **Balog A.**, Kentelky E., Koronka I.M.: The effect of some foliar fertilizers on the frequency and on the intensity of the blister rust attack (*Cronartium ribicola* Fischer D. W.) on blackcurrant culture under the conditions of the lack of control treatments. In: AGRICULTURA DURABILĂ – AGRICULTURA VIITORULUI” Ediția a III-a, 22-23. 11. 2007. pp. 355-361.

Thiesz R., **Balog A.**, Kentelky E., Bandi A.: Studies of physical characteristics on natural population of walnut (*Juglans regia*) fruits in Eastern Transylvania. In: AGRICULTURA DURABILĂ – AGRICULTURA VIITORULUI” Ediția a III-a, 22-23 11. 2007. pp. 362-369.

Balog A.: *Sampling procedures and community structure of staphylinid fauna (Coleoptera: Staphylinidae) in differently disturbed ecosystems.* International Workshop on Complex Systems and Networks, July 15-20, 2007, Sovata, Romania. <http://www.summerschools.ro/index.php?menuId=8>

Thiesz R., Koronka I.M., **Balog A.:** *A ribiszkerozsda (Conartium ribicola) fertőzési intenzitásának vizsgálata különböző lombtrágyákkal kezelt fekete ribiszke állományban.* In: XII. Plant Protection Symposium, Debrecen University, Center of Agricultural Science, 2007. 11. 17-18. pp. 67-74. <http://www.agr.unideb.hu/novved/ttnvf/program2007-12.TNF.pdf>

Balog A. Markó V.: Studies on rove beetles (*Coleoptera: Staphylinidae*) in central European apple and pear orchards. VIII. European Congress of Entomology, 17-22 September, 2006, Izmir-Kusadasi, Turkey. www.topcon.org

Balog A., Markó V.: *Holyva együttesek (Coleoptera: Staphylinidae) közösség szerkezeti vizsgálata különböző kezelésben részesített szőlőültetvényekben.* In: X. Plant Protection Symposium, Debrecen University, Center of Agricultural Science, 2005. 11. 18-20. <http://www.agr.unideb.hu/novved/ttnvf/proceedings/Proceedings2005.pdf> pp 361-370.

Balog A., Markó V., Kutasi Cs.: *Holyva együttesek (Coleoptera: Staphylinidae) dominancia és rajzásdinamikai vizsgálata magyarországi alma- és körteültetvényekben.* In: IX. Plant Protection Symposium, Debrecen University, Center of Agricultural Science, 2004. 10. 20-21, pp. 313-326. <http://www.agr.unideb.hu/novved/ttnvf/proceedings/Tartalom2004eng.pdf>

Mikulás, J., Kutasi, Cs., Markó, V., **Balog, A.:** Auswirkung unterschiedlicher Weinbergsbewirtschaftung auf die Fauna. (Effects of different cultivation techniques on vineyard fauna.) In: 10th International Conference on Cultivation Technique and Phytopathological Problems in Organic Fruit-Growing and Viticulture, February Weinsberg/Germany, 2002, pp. 168-174. (This article indexed in: Biological Abstracts, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Elsevier GEO Abstracts, SCOPUS, Zoological Abstracts).

Mikulás, J., Markó, V., Kutasi, Cs., **Balog, A.:** Abundanz der Bodenarthropoden im begrüntem und Bodenerbeiteten Weingarten. In: Begrünung im Weinbau XIII. Kolloquium, Internationaler Arbeitskreis, Fakultät für Landwirtschaft Maribor, August 2000, Maribor-Radenci-Slowenien.

Romanian papers covered by CNCSIS

Nyárádi I.I., **Balog A.**: *A Föld ökológiai lábnyomának és biokapacitásának összehasonlítása és jelenlegi helyzete*. Erdélyi Múzeum, ACTA TRANSYLVANICA 15/2, 2007. pp. 33-41. <http://www.eme.ro/servlet/eme/template/publications%2CPPaper.vm/paperid/359>

Orbán I., Dániel L., Pápay B., **Balog A.**: *Ragadozó rovarok (Coleoptera: Staphylinidae) táplálékpreferencia vizsgálata*. Erdélyi Múzeum, ACTA TRANSYLVANICA, 14/2, 2006, pp. 79-84. <http://www.eme.ro/servlet/eme/template/publications%2CPPaper.vm/paperid/246>

Balog A., Markó V.: *Különböző kezelésben részesített magyarországi és nagy-britanniai almaültetvények hollyvaegyütteseinek (Coleoptera: Staphylinidae) vizsgálata*. Erdélyi Múzeum, ACTA TRANSYLVANICA, 14/2, 2006, pp. 65-77. <http://www.eme.ro/servlet/eme/template/publications>

Balog A.: *Ragadozó és parazitoid hollyvafajok (Coleoptera: Staphylinidae) táplálékpreferenciája és predációs aktivitása agrár-ökoszisztémákban*. ACTA SICULICA pp. 91-101, 2005. http://www.szekelyfoldert.info/acta_siculica_20051.html

Balog A.: *Cercetările Ecologice de Lungă Durată (Long Term Ecological Research), scopuri și rezultate*. ENVIRONMENT & PROGRESS 4/2005, pp. 37-40.

Balog A.: *Urbán entomológia*. Erdélyi Múzeum Egyesület, MÚZEUMI FÜZETEK 12/2003, pp. 21-26. <http://www.eme.ro/servlet/eme/template/publications>

Balog A.: *Kulturális Entomológia: Rovarokról más megközelítésből* Erdélyi Múzeum Egyesület, MÚZEUMI FÜZETEK, 12/2003, pp. 11-20. <http://www.eme.ro/servlet/eme/template/publications%2CPPaper.vm/paperid/57>

Máthé I., Urák I., **Balog A.**, Balázs E.: *The community structure of the ground dwelling carabid beetles (Coleoptera: Carabidae) and spiders (Arachnida: Araneae) in peat bog "Mohos" (Transylvania, Romania)*. ENTOMOLOGICA ROMANICA. 8, pp. 95-102, 2003. <http://www.homeromania.com/alex/Authors.html>

Balog A.: *Adatok a Görgényi havasok (Cserepeskő) cincérfaunájának ismeretéhez (Coleoptera: Cerambycidae)*. Erdélyi Múzeum Egyesület, MÚZEUMI FÜZETEK, 8/1999, pp. 146-150. <http://www.eme.ro/servlet/eme/template/publications>

Balog A.: *Cercetări faunistice asupra unor familii de coleoptere (Coleoptera: Staphylinidae, Scarabaeidae, Cerambycidae, Chrysomelidae) din rezervația botanică Suatu I, Județul Cluj* *Faunistic researches concerning some coleopteran families (Coleoptera: Staphylinidae, Scarabaeidae, Cerambycidae, Chrysomelidae) from Botanical Reservation Suatu I, Cluj-Romania*. BUL. INF. SOC. LEPID. ROM, vol 9(1-4), Cluj-Napoca, 1998, pp. 109-118.

Balog A.: *Olophrum alpinum (Heer 1839) o specie puțin cunoscută din fauna României. (Coleoptera: Staphylinidae, Omaliinae) / Olophrum alpinum (Heer 1839) one insufficient-known species from Romanian fauna (Coleoptera: Staphylinidae, Omaliinae)*. BUL. INF. SOC. LEPID. ROM, vol 9(1-4), Cluj-Napoca, 1998, pp. 117-118.

Balog A.: *Omalium cinamomeum (Kraatz 1858) în fauna României (Coleoptera: Staphylinidae, Omaliinae) / Omalium cinamomeum (Kraatz 1858) in Romanian fauna (Coleoptera: Staphylinidae, Omaliinae)*. BUL. INF. SOC. LEPID. ROM, vol 9(1-4), Cluj-Napoca, 1998, pp. 259-260.

Balog A.: *Contribuția entomologilor maghiar la cunoașterea faunei de coleoptere din Transilvania de la început până la 1913. I. / The hungarian entomologist contributions to the knowledge of*

coleopterological fauna from Transylvania from beginning to 1913. Part I. BUL. INF. SOC. LEPID. ROM, vol 10(1-4), Cluj-Napoca, 1999, pp.159-165.

Balog A.: Contribuții la cunoașterea faunei de coleoptere din sudul Dobrogei (Canarua Feti, județul Constanța) *Coleoptera: Scarabaeidae, Cerambycidae, Chrysomelidae și Buprestidae.* STUDII ȘI CERCETĂRI (Șt Naturii), 4, 1998, Bistrița, pp. 261-267.

Balog A., Crișan A., Ruicănescu A.: *Cercetări faunistice asupra unor familii de coleoptere din zona localității Hotoan, județul Satu-Mare (Coleoptera, Scarabaeidae, Cerambycidae, Chrysomelidae) / Faunistical researches concerning some Coleopteran families from Hotoan (Romania, Satu-Mare county) area (Coleoptera: Scarabaeidae, Cerambycidae, Chrysomelidae).* BUL. INF. SOC. LEPID. ROM, vol. 8(3-4), Cluj-Napoca, 1997, pp. 253-260.