

### Personal information

Surname / First name **DIACONU Alecu**  
 Academic degree PhD, CS I  
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 E-mail(s) [adiaconu@yahoo.com](mailto:adiaconu@yahoo.com); [alecu.diaconu@uaic.ro](mailto:alecu.diaconu@uaic.ro)  
 Nationality Romanian  
 Date of birth 12 January, 1958  
 Gender Male

### Desired employment / Occupational field

**BIOLOGY, ECOLOGY, entomology / three-trophic relationships, taxonomy (Tortricidae), biodiversity, plant protection, biological control, organic farming**

### Work experience

Dates	June 2023 onwards
Occupation or position held	Senior researcher – CS I
Main activities and responsibilities	My activity is oriented, in particular, in the field of biological control and entomofaunistic biodiversity.
Name and address of employer	"Stejarul" Research Centre for Biological Sciences, Str. Alexandru cel Bun 6, 610004 - Piatra Neamt, Romania Website: <a href="https://www.ccb-stejarul.ro/homeeng.html">https://www.ccb-stejarul.ro/homeeng.html</a>
Type of business or sector	Public institution, a branch of the <i>National Institute of Research and Development for Biological Sciences</i> , Bucharest, website: <a href="http://www.incdsb.ro/en/">http://www.incdsb.ro/en/</a>
Dates	November 1991 – January 2023
Occupation or position held	Senior researcher
Main activities and responsibilities	My activity was mainly focused on <b>biological control</b> of lepidopteran pests in different agroecosystems. For this purpose we mass-produce oophagous parasitoid wasps ( <i>Trichogramma</i> sp.). At the moment we have about 100 pure strains of trichogramms. In the last years we have extended our research to <b>organic production</b> , especially in apple orchards. Another field of our activity is the <b>study of natural parasitoid communities</b> of different crops pests. 1997 onwards, I have a very successful collaboration with several scientists from CABI Délemont, Switzerland and University of Montana, Missoula, USA, for various research projects about <b>invasive weeds</b> in North America, especially in fields of biological control and mechanism of invasion.
Name and address of employer	Institute of Biological Research – Iasi, Department of Experimental and Applied Biology Str. L.Catargi, no 47, 700107-Iasi, Romania Website: <a href="http://www.icbiasi.ro/">http://www.icbiasi.ro/</a>
Type of business or sector	Public institution, a branch of the <i>National Institute of Research and Development for Biological Sciences</i> , Bucharest, website: <a href="http://www.incdsb.ro/en/">http://www.incdsb.ro/en/</a>

Occupation or position held | Biologist, CS III, CS II, CS I

Dates | October 1985 – October 1991

Occupation or position held | Biologist, Head of Prognosis, Warning and Pesticides Department

Main activities and responsibilities | Diagnosis, estimating the attack levels and economical thresholds, and setting optimal timing for implementing the control treatment of main pests, diseases and weeds of crops.

Name and address of employer | Plant Protection Inspectorate - Neamt County, Aleea Tiparului, no 10, 610263-Piatra Neamt, Romania

Type of business or sector | Public institution

Dates | October 1984 – September 1985

Occupation or position held | Biologist

Main activities and responsibilities | Food hygiene

Name and address of employer | National Institute for Public Health, Bucharest, Romania, website: <http://www.insp.gov.ro/>

Type of business or sector | Public institution

Dates | September 1982 - September 1984

Occupation or position held | Biology teacher

Name and address of employer | State School no 12, Roman, NT, Romania

Type of business or sector | Public institution

**Education and training**

Dates | 1993-2000

Title of qualification awarded | PhD with distinction “*CUM LAUDAE*”

Principal subjects/Occupational skills covered | Thesis Title: “*Contributions to the knowledge of parasitoids communities (Insecta) as adjustment factors for foliphagous tortricids (Insecta, Lepidoptera, Tortricidae) on fruit-trees*”

Name and type of organisation providing education and training | “Alexandru Ioan Cuza” University of Iasi, Romania  
<http://www.uaic.ro>

Dates | 1978-1982

Title of qualification awarded | Bachelor of Science in Biology

Principal subjects/Occupational skills covered | Biology

Name and type of organisation providing education and training | “Alexandru Ioan Cuza” University of Iasi, Romania  
<http://www.uaic.ro>

**Personal skills and competences**

Mother tongue | **Romanian**

Other language(s)

*Self-assessment*

*European level (\*)*

**English**

**French**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2 Independent User	C1 Proficient User	B2 Independent User	B1 Independent User	C1 Proficient User
B1 Independent User	B2 Independent User	A2 Basic User	A2 Basic User	B1 Independent User

(\*) Common European Framework of Reference (CEF) level

	Ability to use scientific literature in <b>German, Italian and Spanish</b> .
Organisational skills and competences	As coordinator of several research projects, I have gained a good experience in project management. Thus, I organized the activity of some complex work teams, often made up of specialists from several institutions (research institutes, universities, SMEs).
Technical skills and competences	<ul style="list-style-type: none"> <li>- good knowledge in establishing the entomological diversity and natural enemies complexes of phytophagous insects in various natural and anthropogenic ecosystems;</li> <li>- determine tri-trophic relationships associated with various plant;</li> <li>- taxonomy of leaf-rollers (Tortricidae) and carabids (Carabidae);</li> <li>- analysis of some qualitative and quantitative ecological indicators for entomofaunistic investigations;</li> <li>- mass rearing and use of trichogramms as a means of biological control;</li> <li>- establishing optimum timing for application of treatments in plant protection by linking biology of main diseases and pests of crops with the local conditions of the ecosystem;</li> <li>- application of complex measures for organic farming in some agoecosisteme.</li> </ul>
Computer skills and competences	Competence with most Microsoft Office programmes.
Other skills and competences	<p><b>-teaching activity:</b> - between 1995-2002, I carried out practical work with students from the Faculty of Biology of the "Al.I.Cuza" University of Iasi for disciplines: Invertebrate Zoology, Entomology, Principles of biological control, Methods of rearing entomophagous for biological control;</p> <p>- 2014-2017, teacher at The University of Agricultural Sciences and Veterinary Medicine Iași, discipline "Biological crop protection" (lecture and practical work);</p> <p>- Certificate in Project Management.</p>
Driving license	I am a holder of a Romanian driver's license, category B vehicle.
<b>Additional information</b>	<ol style="list-style-type: none"> <li>1. The evaluator of research proposals: <ul style="list-style-type: none"> <li>- NSF Bulgaria, 2008 <i>until now</i> - <a href="http://www.nsfb.net/">http://www.nsfb.net/</a>;</li> <li>- The New Eurasia Foundation, 2011 <i>until now</i> - <a href="http://www.neweurasia.ru/en">http://www.neweurasia.ru/en</a></li> <li>- The Joint Call ERAfrica, 2013 - <a href="http://www.erafrica.eu/">http://www.erafrica.eu/</a></li> <li>- Romanian national research programs (CNCSIS, Ideas, Cooperation) from 2005 until now - <a href="http://www.experti-cdi.ro/">http://www.experti-cdi.ro/</a>; <a href="https://www.brainmap.ro/">https://www.brainmap.ro/</a></li> </ul> </li> <li>2. accepted as expert evaluator in the following databases: <ul style="list-style-type: none"> <li>- FP 7 (7thFramework Programme - <a href="https://cordis.europa.eu/emmf7/index.cfm">https://cordis.europa.eu/emmf7/index.cfm</a>) ;</li> <li>- EFSA (European Food Safety Authority - <a href="http://www.efsa.europa.eu/en/networks/expertdb.htm">http://www.efsa.europa.eu/en/networks/expertdb.htm</a>);</li> <li>- EVAL-INCO (Evaluators database for International Cooperation - <a href="http://www.eval-inco.pt-dlr.de">http://www.eval-inco.pt-dlr.de</a>);</li> </ul> </li> <li>3. The reviewer for scientific papers in some ISI listed international journals (<i>Journal of Pest Science, BioControl</i>).</li> <li>4. Professional membership: <ul style="list-style-type: none"> <li>- Romanian Society for General and Applied Entomology - SOREGA (founder);</li> <li>- Romanian Lepidopterological Society;</li> <li>- Societas Internationalis Entomofaunistica Europae Centralis (SIEEC);</li> <li>- Swiss Entomological Society (1998-2002);</li> <li>- International Society of Hymenopterists (2002-2004).</li> </ul> </li> <li>5. Publications: <ul style="list-style-type: none"> <li>- one book;</li> <li>- over 60 scientific papers in national and international journals;</li> <li>- over 440 citations in ISI papers <a href="https://www.researchgate.net/profile/Alecu_Diaconu">https://www.researchgate.net/profile/Alecu_Diaconu</a> ; <a href="http://www.researcherid.com/rid/A-9299-2011">http://www.researcherid.com/rid/A-9299-2011</a></li> <li>- h index / Web of Science = 8;</li> <li>- h index / Google Scholar = 12;</li> <li>- Sum of Times Cited in ISI journals = 516</li> </ul> </li> <li>6. Awards <ul style="list-style-type: none"> <li>- "Excellence Diploma IASI 600" and "Silver Medal INVENTICA 2008" to "The XII International Exhibition of Inventions, Research and Technology Transfer - INVENTICA 2008", Iasi, for</li> </ul> </li> </ol>

"Collector of factitious host eggs - *Ephestia kuehniella* for mass rearing of *Trichogramma oophagous* wasps" (authors: Alecu Diaconu, Madalin Parepa, Mariana Popovici);

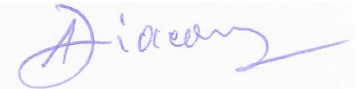
- "Excellence Diploma" and "Medal INVENTICA 2008" to "The XII International Exhibition of Inventions, Research and Technology Transfer - INVENTICA 2008" Iași, for "Improved technology for organic apple orchard" (authors: **Alecu DIACONU**, Mihai TĂLMACIU, Gabriel VASILIU, Mariana DIACONU, Nela TĂLMACIU, Igor CREȚESCU, Agurița MANOLACHE, Mădălin PAREPA, Mariana POPOVICI);

- Rewarding of eight scientific papers in the red zone by "Rewarding research results Programme"

7. Personal interest: I like to practice some sports, particularly skiing and cycling, and I love to mountain travel.

April, 2024

Dr. Alecu DIACONU



## List of publications

### Books

**A. Diaconu. 2007.** Foliphagous tortricids (Insecta, Lepidoptera, Tortricidae) on fruit-trees in Romania. Ed. "Ion Ionescu de la Brad" a U.S.A.M.V.- Iasi. 168 pp. (in rom.)

### Scientific papers

#### 1. In ISI journals

- Kevin Kožić, Matthias Hartmann, Ragan M. Callaway, Isabell Hensen, Dávid U. Lofasz-Nagy, Patrik Mraz, Svetlana Bancheva, **Alecu Diaconu**, Jiří Danihelka, David Ensing, Rita Filep, Zigmantas Gudzinskas, Avni Hajdari, Roxana Ion, Susanne Lachmuth, Andriy Novikov, Dragica Purger, Mandy Slate, Agnieszka Synowiec, Ghizela D. Vonica, Annika M. Zuleger, Christoph B. Rosche. 2024. Germination and early seedling growth are more similar in diploid and tetraploid *Centaurea stoebe* than between native and non-native ranges. *in press*
- Hierro, L.J., Eren, E., Montesinos, D., Andonian, K., Kethsuriani, L., Ozcan, R., Diaconu, A., Torok, K., Cavieres, L. French, K. 2019. Increments in weed seed size track global range expansion and contribute to colonization in a non-native region, *Biological Invasions*. 22(3): 969-982
- Adrien von Virag, H. L. Hinz, R. Weiss, T. Haye, **A. Diaconu**, C. Closca, H. Mueller-Schaerer. 2017. Phenology and temperature dependent of *Ceutorhynchus assimilis*, a potential biological control agent for *Lepidium draba*, *Journal of Applied Entomology*. 141(3): 219–230
- H. L. Hinz, and **A. Diaconu**. 2015. Biology and field host range of *Ceutorhynchus cardariae*, a potential biological control agent for *Lepidium draba*. *Journal of Applied Entomology*, 139 (3) : 168-178
- T. Haye, P.G. Mason, D.R. Gillespie, J.H. Miall, G.A.P. Gibson, **A. Diaconu**, A.M. Brauner et U. Kuhlmann. 2015. Determining the host specificity of the biological control agent *Trichomalus perfectus* (Hymenoptera: Pteromalidae): the importance of ecological host range. *Biocontrol Science and Technology*, 25 (1): 21-47
- Renée L. Eriksen, José L. Hierro, Özkan Eren, Krikor Andonian, Katalin Török, Pablo I. Becerra, Daniel Montesinos, Liana Khetsuriani, **Alecu Diaconu**, Rick Kesseli. 2014. Dispersal Pathways and Genetic Differentiation among Worldwide Populations of the Invasive Weed *Centaurea solstitialis* L. (Asteraceae). *Plos One*, 9(12): e114786. doi:10.1371/journal.pone.0114786

- Yedra GARCÍA, Ragan M. CALLAWAY, **Alecu DIACONU**, Daniel MONTESINOS. 2013. Invasive and non-invasive congeners show similar trait shifts between their same native and non-native ranges. *Plos One* 8(12): e82281
- John L. MARON, Lauren P. WALLER, Min A. HAHN, Alecu DIACONU, Robert W. PAL, Heinz MÜLLER-SCHÄRER, John N. KLIRONOMOS, Ragan M. CALLAWAY. 2013. Effects of soil fungi, disturbance and propagule pressure on exotic plant recruitment and establishment at home and abroad. *Journal of Ecology*, 101 (4): 924-932
- Ramona BESLEAGA Mihai TALMACIU, **Alecu DIACONU**, Nela TALMACIU, Eugen CARDEI, Gelu CORNEANU. 2013. Control of the codling moth (*Cydia pomonella* L.) in accordance with the special evolution of biology in Iasi county. *Journal of Food Agriculture & Environment*, 11(1): 634-640
- Ragan M. CALLAWAY, Lauren P. WALLER, **Alecu DIACONU**, Robert PAL, Robin COLLINS, Silvia ROSSINELLI and John L. MARON. 2011. Escape from competition: Neighbors reduce *Centaurea stoebe* performance at home but not away. *Ecology*, 92(12): 2208-2213
- Andrea S. THORPE, Ragan M. CALLAWAY, **Alecu DIACONU**, Giles C. THELEN. 2009. Root exudate is allelopathic in invaded community but not in native community: field evidence for the novel weapons hypothesis. *Journal of Ecology*, 97 (5): 641-645
- Wei-Ming HE, Yulong FENG, Wendy M. RINDENOUR, Giles C. THELEN, Jarrod POLLOCK, **Alecu DIACONU**, and Ragan M. CALLAWAY. 2009. Novel weapons and invasion: *Centaurea maculosa* and (-)-catechin inhibit North Americans more than Europeans. *Oecologia*, 159 (4): 803-815
- José L. HIERRO, Özkan EREN, Liana KHETSURIANI, **Alecu DIACONU**, Katalin TÖRÖK, Daniel MONTESINOS, Krikor ANDONIAN, David KIKODZE, Levan JANOIAN, Diego VILLARREAL, Eugenia ESTANGA-MOLLICA, and Ragan M. CALLAWAY. 2009. Germination response of an annual plant in native and non-native ranges: environmental risk selects for bet-hedging. *Oikos*, 118 (4): 529-538
- Valeria GAGIU, Mihaela AVRAM, Enuța IORGA, Nastasia BELC, Mariana DIACONU, **A. DIACONU**, M. PRICOP. 2007. Microbial and mycotoxin contamination of maize during storage. *Romanian Biotechnological Letters*. 12 (5): 3389-3394
- Valeria GAGIU, Mihaela AVRAM, Nastasia BELC, Enuța IORGA, Mariana DIACONU, **A. DIACONU**, M. PRICOP. 2007. The effect of processing temperature and time on zearalenone concentration from maize products. *Romanian Biotechnological Letters*. 12 (5): 3431-3434

**2. In journals ISI indexed and other international databases (Bibliography of Agriculture, Biological Abstracts, Entomology Abstracts, Life Science Collection, Review of Applied Entomology, Phytomed, Zoological Record, Google Scholar)**

- Nora GHEBAN, **Alecu DIACONU**, Nada Otilia MATIES. 2014. biology and ecology of codling moth (*Cydia pomonella* L.) in local climatic conditions of Hunedoara county. *Annals of West University of Timisoara, Series of Biology*, 17 (2): 67-78.
- **Diaconu, A.** & A. Lozan, a. 2000. Ectoparasitoid braconids (Hym.: Braconidae) – of certain species of leafrollers (Lep.: Tortricidae) of fruit trees. *Bull. Soc. Ent. Suisse*, 73 (1-2): 5-11.
- **Diaconu, A.**, Pisciă, C., Andriescu, I. & Lozan, A. 2000. The parasitoid complex of the *Cydia pomonella* L. active larvae (Lep.: Tortricidae). *Bull. Soc. Ent. Suisse*, 73 (1-2): 13-22.

**3. In national journals, recognized by CNCSIS**

**3.1. B+ journals**

- Beșleagă Ramona, Georgescu T., Cârdei E., **Diaconu A.** 2008. Evolution of the degree of attack of tortricids at apple trees in the ecologic conditions from SCDP Iași. *Lucr. St., Seria Horticultura, Iasi, I (59): 1235-1238*
- Beșleagă Ramona, Georgescu T., Cârdei E., Tâlmăciu M., **Diaconu A.** 2008. Dynamics of populations of apple mining moths correlated with their natural enemies in different conditions of phyto-sanitary protection. *Lucr. St., Seria Horticultura, Iasi, I (59): 1231-1234*
- TĂLMACIU M., TĂLMACIU NELA, **DIACONU A.** 2008. Researches regarding the coleopters fauna from the vegetables crops. *Lucr. St., Seria Horticultura, Iasi, I (59): 1251-1254*
- **Diaconu A.**, Grecu M, Cozma V., Diaconu Mariana, Parepa M. 2006. Rolul speciei *Colpoclypeus florus* Walk. (Hym., Eulophidae) în limitarea populațiilor de tortricidae foliofage (Lep., Tortricidae) la măr. *Lucr. St., Seria Horticultura, Iasi, I (49): 993-998.*
- Parepa Mădălin, **Diaconu A.**, Cozma V., Grecu M., Tâlmăciu M., Vasiliu G.. 2006. Diversitatea artropodelor în condiții de ecologizare a mărului pe parcursul sezonului vegetativ al anului 2005. *Lucr. St., Seria Horticultura, Iasi, I (49): 1003-1008*
- Grecu M., **Diaconu A.**, Cozma V., Tâlmăciu M., Vasiliu G., Parepa Mădălin. 2006. Fauna de lepidoptere miniere din livezi de măr supuse la diverse strategii de protecție fitosanitară. *Lucr. St., Seria Horticultura, Iasi, I (49): 1103-1108*
- Cozma V., **Diaconu A.**, Grecu M., Tâlmăciu M., Parepa Mădălin, Vasiliu G. 2006. Observații privind abundența și diversitatea coleoptelor din coronamentul unor livezi de măr cu management diferit de exploatare. *Lucr. St., Seria Horticultura, Iasi, I (49): 1093-1096*
- Diaconu Mariana, **Diaconu A.** 2006. Efectul unor pesticide organofosforice asupra microorganismelor din sol. *Lucr. St., Seria Horticultura, Iasi, I (49): 1067-1070*
- Tâlmăciu M., Tâlmăciu Nela, **Diaconu A.**, Irimia Artenie. 2006. Contribuții la cunoașterea structurii, abundenței și dominanței speciilor de coleoptere (Coleoptera) din plantațiile de măr. *Lucr. St., Seria Horticultura, Iasi, I (49): 1119-1124*
- Diaconu Mariana, **Diaconu A.**, Pricop M. 2006. Dinamica activității enzimatică a solului cultivat cu porumb, în condițiile aplicării mai multor strategii de protecție a culturii. *Lucr. St., Seria Horticultura, Iasi, I (49): 1063-1066*
- Tâlmăciu Nela, Georgescu T., Tâlmăciu M., **Diaconu A.** 2006. Observații privind eficacitatea unor produse insecticide utilizate în combaterea speciilor *Grapholitha funebrana* Tr. și *Eurytoma schreineri* Schr. în plantațiile de prun, în perioada 2002-2003. *Lucr. St., Seria Horticultura, Iasi, I (49): 1137-1142*
- Tâlmăciu Nela, Tâlmăciu M., **Diaconu A.** 2006. Observații privind biologia și ecologia speciei *Eurytoma schreineri* Schr. (Hymenoptera - Eurytomidae) din plantațiile de prun, în perioada 2002-2003. *Lucr. St., Seria Horticultura, Iasi, I (49): 1131-1136*

- Tălmăciu, M., Nela Tălmăciu, **A. Diaconu**, Ar. Irimia. 2006. Contributions on knowing the structure, dynamics and abundance of coleopteres (COLEOPTERA) species in apple-trees plantations. *Cercetări Agronomice în Moldova*. 3 (127): 33-39.
- Nela Tălmăciu, M. Tălmăciu, T. Georgescu, **A. Diaconu**. 2006. The efficiency of some insecticides used for controlling *Grapholitha funebrana* Tr. and *Eurytoma schreineri* Schr. pest in the plum tree plantations. *Cercetări Agronomice în Moldova*. Year XXXIX, 4 (128): 17-24.
- Cozma V., Grecu M., **Diaconu A.** 2005. Dinamica artropodelor din coronamentul unor livezi de măr cu strategii diferite de combatere a dăunătorilor. *Lucr. St., Seria Horticultura, Iasi, I (48): 1309-1316*.
- **Diaconu A.**, Grecu Marius, Cozma Valentin, Manolache Agurița, Tălmăciu Mihai, Diaconu Mariana, Vasiliu Gabriel, Tălmăciu Nela, 2004. Rezerva hibernantă a unor dăunători ai mărului în condiții diferite de protecție fitosanitară. *Lucr. St., Seria Horticultura, Iasi, I (47): 1187-1193*
- **Diaconu A.**, Grecu Marius, Cozma Valentin, Mitroiu M., Manolache Agurița, Iftime D., Diaconu Mariana, 2004. Rolul entomofaunei utile parazitoide în limitarea populațiilor de *Adoxophyes orana* (Lep. Tortricidae) – molia pielii fructelor în condiții de conversie a mărului spre o producție ecologică. *Lucr. St., Seria Horticultura, Iasi, I (47): 1193-1198*
- Comanescu ST. , Diaconu M., **Diaconu A.** 2004. Evoluția microbiotei solului implicată în circuitul azotului în condițiile ecologizării timp de doi ani a unei suprafețe de livadă de măr. *Lucr. St., Seria Horticultura, Iasi, I (47): 1299-1304*
- Pisica, C. & **Diaconu, A.** 2000. Hiperparasitoid *Ichneumonidae* (Hymenoptera) from *Tortricidae* (Lepidoptera) injurious to fruit tree. *Ann. Șt. Univ. "Al.I.Cuza" – Iași, s. Biol. anim., XLVI: 35-44*.
- **Diaconu, A.** 1997. Complexul speciilor de tortricide (Lep.: Tortricidae) la măr. *Lucr. Șt., ser. Agr., Univ. Agr. Med. Veter. "I.I. de la Brad", Iași, 40: 342 – 347*.
- **Diaconu, A.**, Isac, E. & Ghiuță, I. 1997. Studiu asupra biologiei speciei *Cydia pomonella* (Lep.: Tortricidae) (viermele merelor) în condițiile climatice ale localității Iași. *Lucr. Șt., ser. Agr., Univ. Agr. Med. Veter. "I.I. de la Brad", Iași, 40: 348 – 353*.

### 3.2. C journals

- **Diaconu, A.** & Tschorsnig, H.-P. 1999. Tachinidae (Diptera) reared from Tortricidae (Lepidoptera) in Romania. *Entomol. Rom.*, 4: 89-93.
- **Diaconu, A.** 1998. Aspecte ale comportamentului de depunere a ouălor la *Hedya dimidioalba* (Retzius, 1783) (Lepidoptera, Tortricidae). *Bul. inf. Soc. lepid. rom*, 9 (1-2): 45-48.
- **Diaconu, A.** 1998. Contribuții la cunoașterea dezvoltării embrionare a speciei *Hedya dimidioalba* (Retzius, 1783) (Lepidoptera, Tortricidae). *Bul. inf. Soc. lepid. rom*, 9 (3-4): 215-218.
- **Diaconu, A.** 1997. Contributions to the biology and morphology of the *Acleris variegana* (Denis & Schiffermüller 1775) species (Lepidoptera: Tortricidae). *Entomol. rom*. 2: 89 - 93.
- **Diaconu, A.** 1997. Noi contribuții la cunoașterea tortricidelor foliofage (Lep., Tortricidae) arborilor fructiferi. *Bul. t., Ser. Biol., Univ. Piteti*. 1: 161-167.
- Pisică, C. & **Diaconu, A.** 1997. The primar parasitoids of the *Ichneumonidae* (Hymenoptera) family obtained from the tortricids (Lepidoptera: Tortricidae) injurious to the fruit trees (I). *Bul. inf. Soc. lepid. rom*, 8(3-4): 281 - 289.
- Ilaș, C. & **Diaconu, A.** 1988. Starea fitosanitară a culturilor de câmp din județul Neamț în anul agricol 1986-1987 și primăvara 1988. *Probl. Prot. Plant*. 16: 129 – 132

### 3.3. D journals

- Pisică, C. & **Diaconu, A.** 2002. *Ichneumonide* (Hym. lichneum.) parazitoizi secundari pe tortricide (Lep.:Tortricidae) dăunătoare arborilor fructiferi. *ARGESSIS, Studii și comunicări, Seria Șt. Nat, IX-X: 197-201*.
- **Diaconu, A.** 2002. Complexul de lepidoptere (Lepidoptera) foliofage la măr. *ARGESSIS, Studii și comunicări, Seria Șt. Nat, IX-X: 189-195*.

### 3.4 Other national journals

- **Diaconu, A.**, Ghiuță-Țărălungă, I. 2000. Aspecte ale parazitării ouălor de *Cydia pomonella* (Linnaeus, 1758) (Lep.: Tortricidae) de către specii ale genului *Trichogramma* (Hym.: Trichogrammatidae). *Stud. Cercet. Muz. St. Nat. Piatra Neamt*, 9: 223-227.
- Pisică, C. & **Diaconu, A.** 2000. *Ichneumonide* (Hym.: *Ichneumonidae*) care parazitează specii de tortricide (Lep.: Tortricidae) dăunătoare arborilor fructiferi (II). *Comunicări și Referate "Naturalia", IV-V: 101- 110*.
- **Diaconu, A.** 2000. Complexul de lepidoptere (Lepidoptera) foliofage la păr. *Comunicări și Referate "Naturalia", IV-V: 112- 116*.

### 3.5. In proceedings of international scientific events (with ISSN or ISBN)

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April, 2024

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#### List of research grants as project coordinator

Project/program	Role in the project
<i>"The experimentation and improvement of the technology of biological exploitation on one intensive apple orchard module and its favorable impact on the environment and consumer's health – BIOMAR", 2005-2008, National Program – CEEEX</i>	Coordinator
<i>"Research and certification laboratory of the Trichogramma's quality used as biological control agents" 2006-2008, National Program – CEEEX-RENAR</i>	Coordinator
<i>"Producing and using trichogramms as biopesticide - the main procedure for ecologization of apple and pear tree orchards" 2001-2005, National Program – BIOTECH</i>	Coordinator
<i>"Modular biostation for trichogramms production" 2001-2005, National Program – AGRAL</i>	Coordinator
<i>- "The improvement of apple quality and derived products resulted from industrialization, by conversion of some conventional orchards to organic production" 2001-2004, National Program - AGRAL</i>	Coordinator

#### List of research grants as partner team leader, team member, or collaborator

Project/program	Role in the project
<b>INTERNATIONAL</b>	
<i>"The role of soil microbes in plant invasions: inhibition at home and facilitation away?" 2007-2013, NSF (USA).</i>	partner team leader
<i>Restoring biodiversity of degraded Romanian pastures through the development of sustainable management practices for invasive weeds using <i>Lepidium draba</i> as a model system", 2005-2008, SCOPES Program (Switzerland)</i>	partner team leader
<i>"Monitoring and evaluation of ecosystems' status and services through assessment of insect abundance and diversity with Malaise and pitfall traps using conventional morphological</i>	Team member



identification and DNA barcoding" (P2.5) / "Integrated research and sustainable solutions to protect and restore Lower Danube Basin and coastal Black Sea ecosystems" 2023-2025 (contract no. 760010/30.12.2022, PNRR/C9/I5)

Genome editing in plants – a technology with transformative potential (PlantEd), 2019-2023, COST Action CA18111 Team member

„Assessing and Monitoring the Impacts of Genetically modified plants (GMPs) on Agro-ecosystems – AMIGA”, 2011-2016, FP7, EU Team member

2-nd International Symposium on Biological Control of Arthropods, 11-18 Sept. 2005, SCOPES Program (Switzerland) Team member

U.S.-Romania environmental biology research on community resistance and susceptibility to invasion effects of soil microbes and native plant communities on *Centaurea maculosa*”, 2003-2006, NSF (USA) Team member

CABI Bioscience Centre Switzerland Delemont - *Biological control of whitetops, Lepidium draba and L. appelianum* (Coordinator: Dr. Harriet Hinz), 2001-2009 Collaborator

CABI Bioscience Centre Switzerland Delemont - *Biological control of Dyer's woad, Isatis tinctoria* (Coordinator: Dr. Harriet Hinz), 2006 Collaborator

#### NATIONAL

“Suitable vegetal cover for improving the agro-ecosystem conditions of intensive apple orchards - PlantCover” 2016-2018, National Program PN III – Bridge Grant Partner team leader

“Increasing the research capacity and institutional performance of INCDSB, - PERFORM”, 2018-2020, Financing excellence projects in RDI Team member

“Develop tools and strategies for superior capitalization of natural resources for sustainable exploitation improvement in bio-industries and conservation ecosystem functions – BIODIVERS”, 2016-2017, National Program Nucleu Team member

“Identification, characterization and use of bioresources for obtaining useful substances in order to capitalize them and biodiversity conservation – BIODIV”, 2009-2015, National Program Nucleu Team member

„Applying different methods of controlling pests of crops within the sustainable agriculture in order to reduce the environmental pollution and integrate the Romanian research in the EU programs - BIOCOMB” 2005-2007, National Program – CEEEX Partner team leader

**April, 2024**

**Dr. Alecu DIACONU**