

UNIVERSITY OF LIFE SCIENCES "KING MIHAI I" FROM TIMIȘOARA

Faculty	Agriculture
Agriculture	Biology and Plant Protection
The position in the state of functions	9/IV
Function	Associate professor
The subject in the education plan	Entomology, Phytopathology, Mites, nematodes and entomofagous, Phytopathology, Special Herbology, Integrated control systems of nematodes and mites in agroecosystems
Scientific field	Biology
Topics covered by the competition	I) Entomology I. The object of entomology. Morphological and anatomical characteristics of insects. Phylogeny and classification of insects. II. Reproduction, development and ecology of insects. III. General morphological and anatomical characteristics, ecology, and ethology of insects from the following orders: Orthoptera. Thysanoptera, Hemiptera, Diptera, Hymenoptera, Coleoptera and Lepidoptera. IV. Insect nutrition. Damage caused to plants. V. General characteristics (morphology, anatomy, ecology, ethology) of species belonging to the class Arachnida VI. General characteristics (morphology, anatomy, ecology, ethology) of economically important species from the class <i>Gasteropoda</i> found in anthropogenic ecosystems. VII. General characteristics (morphology, anatomy, ecology, ethology) of economically important species from the class Nematoda found in anthropogenic ecosystems. VIII. Integrated control of species studied in entomology: prophylaxis and active population control measures. II) Mites, nematodes and entomophagous I. Classification of animal organisms based on their feeding habits. General notions about entomophagous organisms. II. Interaction processes of predation, parasitism and the prey-predator relationship III. The role and importance of entomophages in agroecosystems and biological control IV. Coccinellidae and their importance in biological control. V. Use of parasitic and parasitoid wasps in biological control. VI. Entomophagous organisms used in cereal crops, leguminous crops, and industrial (technical) plants VII. Entomophagous organisms used in vegetable crops and grape plantations VIII. Entomophagous organisms used in orchards and fruit tree plantations Bibliography 1. Bunescu H., Florian T., Entomologie, Ed. AcademicPres, 2017 2. Bunescu H., Teodora F., Zoologie, Ed. AcademicPres, 2014 3. Chapman R. F., <i>The Insects: Structure and Function</i>. Edited by Stephen J. Simpson and Angela E. Douglas, 5th ed., Cambridge University Press, 2012. 4. Ciochină V., Isac G., Stan G., <i>Tehnologii de creștere industrial a câtorva specii de insect auxiliare folosite în combaterea biologică a dăunătorilor</i>, Editura Ceres, 1992 5. Ferero D., <i>Sistematica de Hemiptera</i>. Revista Colombiana de Entomologia, 2008.

	6. Florian T., Oltean I., <i>Entomologie 2</i>, Editura Bioflux, 2020 7. Florian T., Oltean I., <i>Entomologie special</i>, Editura Bioflux, 2018 8. Goater T. M., Goater P. C., Esch G. W., <i>Parasitism: The Diversity and Ecology of Animal Parasites</i>. 2nd ed., Cambridge University Press, 2014. 9. Grimaldi D. A. (ed.), <i>The Complete Insect: Anatomy, Physiology, Evolution, and Ecology</i>, Princeton University Press, 2023. 10. Grozea I., Cărăbeș A., Chiriță R., Badea A.-M., <i>Entomofagii din culturile de cereale</i>, Editura Mirton, 2008. 11. Grozea I., <i>Entomologie generală</i>, Editura Eurobit, 2015. 12. Grozea I., <i>Entomologie specială</i>, Editura Mirton, 2006 13. Grozea I., <i>Zoologie agricolă</i>, Editura Mirton, 2004 14. Heimpel G.E, Mills N.J. <i>Biological Control Ecology and Applications</i>. In: <i>Biological Control: Ecology and Applications</i>. I-II, Cambridge University Press; 2017 15. Hoffmann G. M., Schmutterer H., <i>Parasitäre Krankheiten und Schädlinge an landwirtschaftlichen Kulturpflanzen</i>. Verlag Eugen Ulmer GmbH & Co, 1999. 16. Kalisch J. A. <i>Introduction to Entomology</i>. University of Nebraska–Lincoln Fact Sheet EC1588, 2014. Available at: https://extension.unl.edu/statewide/douglas-sarpy/pdfs/ce/resources/ce-ec1588-introduction-to-entomology.pdf 17. Mitrea I., Stan C., Țucă O., <i>Entomologie generală</i>, Editura Reprograph Craiova, 2010 18. Mitroiu M.-D., Revision of world Austroterobiinae and Parasaphodinae (Hymenoptera: Chalcidoidea: Pteromalidae), parasitoids of giant scales (Hemiptera: Coccoidea: Monophlebidae). <i>Zootaxa</i> 4301(1), 2017 19. Omkar F., (ed.), <i>Insect Predators in Pest Management</i> (1st ed.). CRC Press, 2023. https://doi.org/10.1201/9781003370864 20. Pașol P., Dobrin I., Frăsin L., <i>Tratat de Entomologie specială (dăunătorii culturilor horticole)</i>, Editura Ceres, 2007. 21. Pârvulescu L., <i>Sistematica și biologia nevertebratelor celomate</i>. Ghid practic. Editura Bioflux, 2012 23. Pârvulescu L., <i>Entomologie</i>, Available at: https://biologie.uvt.ro/cursuri/CE_10.pdf 24. Perju T., Lacatusu M., Pisică C., Andriescu I., Mustață G., <i>Entomofagii și utilizarea lor în protecția integrată a ecosistemelor agricole</i>. Editura Ceres, 1988 25. Roman T., Glăvan L., <i>Biologia, ecologia și combaterea dăunătorilor la legume</i>, Editura Agris, 2006 26. Roșca I., Oltean I., Mitrea M., Tălmăciu I., Petanec D.I., Bunescu H.Ș., Istrate R., Tălmăciu N., Stan C., Micu L.M., <i>Tratat de Entomologie, generală și specială</i>. Editura Alpha MDN, 2011. 27. Sathe T.V., <i>Hymenoptera and Biological Pest Control Hardcover</i>, Discovery Publishing House Pvt Ltd, 2017
The application file must be submitted to the following address	Secretariatul Facultății de Agricultură, Calea Aradului, nr. 119, CP 300645, Timișoara, jud. Timiș