Dr hab. Elżbieta Wojciechowicz-Żytko (Assoc. Prof.)

University of Agriculture in Krakow
Faculty Biotechnology and Horticulture
Address al. 29-Listopada 54 , 31-425 Krakow,
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Email: e.wojciechowicz@urk.edu.pl
Consultation hours: Tuesday 10.00-12.00

Research interest:

Biological and agrotechnical methods of vegetable, fruit and ornamental plants protection against pests. The use of sowing date, plant spacing, mixed cropping, water extracts, natural pesticides in reducing pests infestation on crop plants.

The use of parasitoids and predators, with particular emphasis on the hoverflies (Syrphidae), in the regulation of the population of aphids feeding on various plants.

Researches on harmful entomofauna and quarantine and invasive pests of maize, blueberries and ornamental plants.

Research experience:

Visiting Scholar

1. One year scientific stay at the School of Biological Sciences at the University of Reading in England in the department of prof. H. F. van. Emden (1991-1992) – biological control
2. Workshops: Diagnosis of quarantine pests in Lombardy, Laboratorio Fitopatologico, Fondacione Minoprio, Italy, August 2014.
3. Scientific visit (Erazmus+) in Ondokuz Mayizs University, Department of Plant Protection, Samsun Turkey , June 2016.
4. Scientific visit (Erazmus+) in the Lativa University of Agriculture Jelgawa Latvia, September 2017.
5. Scientific visit (Erazmus+) in Polytechnic Institute of Beja Portugal, June 2019.

DSc, (Habilitation): "The role of hoverflies (Diptera, Syrphidae) in the regulation of *Myzus cerasi* (F.) (Hemiptera, Aphidodea) population ".

PhD "Hoverflies (Diptera, Syrphidae) as a predators of *Aphis fabae* Scop. (Hemiptera, Aphidodea) on broad bean".

MSc, MSc dissertation: "Predatory hoverflies (Diptera, Syrphidae) occurring on Brassicaceae plants".

Professional profiles:

ORCID: http://orcid.org/0000-0001-8137-3113

List of publications:

Jankowska B., Wojciechowicz-Żytko E. 2016. **Effect of intercropping carrot (*Daucus carota* L.) with two aromatic plants, coriander (*Coriandrum sativum* L.) and summer savory (*Satureja hortensis* L.), on the population density of select carrot pests** Folia Hort. 28/1(2016): 13-18.

Jankowska B., Wojciechowicz-Żytko E. 2016. Effect of aqueous extracts of black alder (*Alnus glutinosa* (Linnaeus, 1753) Gaertner, 1791) and elder (*Sambucus nigra* Linnaeus, 1753) on the occurrence of *Brevicoryne brassicae* Linnaeus, 1758 (Hemiptera, Aphidoidea), its parasitoid *Diaeretiella rapae* (M'intosh, 1855) (Hymenoptera, Ichneumonoidea) and predatory Syrphidae on white cabbage (part I). Polish Journal of Entomology, 85(2): 237-236.

Jankowska B., Wojciechowicz-Żytko E. 2016. Effect of aqueous extracts of black alder (*Alnus glutinosa* (Linnaeus, 1753) Gaertner, 1791) and elder (*Sambucus nigra* Linnaeus, 1753) in reducing the occurrence of Phyllotreta spp. some lepidopteran pests and diamondback moth parasitoids on white cabbage (part II). Polish Journal of Entomology, 85(2): 377-388.

Wojciechowicz-Żytko E. Jankowska B. 2016. *Sambucus nigra* L. as a reservoir of beneficial insects (Diptera, Syrphidae). Folia Horticulturae, 28, 2: 209-216.

Wojciechowicz-Żytko E., B. Rogowska, M. Dobińska, A. Witek, M. Kulig. 2016. Insect pests occurring on the different Iridaceae taxa . Acta Horticulturae et Regiotecturae: 40-41.

Wojciechowicz-Żytko E. Jankowska B. 2017. Herbs as a source of nutrition for flower visiting hoverflies (Diptera, Syrphidae). Folia Hort**.** 29/2 : 135-141.

Wojciechowicz-Żytko E., Jankowska B., Wilk E. 2017. Monitoring of western corn root beetle *Diabrotica virgifera* Le conte in the Podkarpackie Voivodeship in the years 2009-2013 based on catches to pheromone traps. Zeszyty Problemowe Postępów Nauk Rolniczych. 591, 79-85.

Wojciechowicz-Żytko E. 2018. Attractiveness of Some Apiaceae Flowers For Syrphidae (Diptera) – Pollinators And Biotic Agents. Acta Horticultura: 275-282.

Wojciechowicz-Żytko E., Wilk E. 2019. Effects of the Surrounding Environment and Management System in Apple Orchards on the Occurrence of the Ground Beetles (Coleoptera, Carabidae). Polish Journal of Environmental Studies, Vol. 28, 5, 3489-3496.

Jacek Nawrocki (DSc, PhD)

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Faculty of Biotechnology and Horticulture
Department of Botany, Plant Physiology and Plant Protection
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Email: j.nawrocki@urk.edu.pl
Consultation hours: Tuesday 9:00-11:00 am

Research interest: phytopathology, protection of vegetables and herbs against fungal pathogens, protection of seed plantations of selected vegetables, integrated pest management, biological and biotechnical plant control, ecological methods of plant protection, protection of berry plantations against diseases, resistance of pathogenic fungi to selected fungicides.

Research experience:
DSc (Habilitation)(2011) "Effect of some agrotechnical factors on the health of roots and fungi colonizing seed roots and seedlings of selected cultivars of root parsley (*Petroselinum crispum* (Mill.) Nyman ex A.W. Hill var. *tuberosum* (Bernh.) Marth. Crov.)" Zesz. Nauk. UR w Krakowie, Rozprawy, 352, 83 ss."
PhD (1997) "Protection of parsley seed plantations against fungal diseases" Monography

Visiting Scholar:
1. Bank of Plant Pathogens, International Mycological Institute, Egham, Great Britain (1 week in 1996, workshop)
2. Diagnosis of quarantine pests in Lombardy, Laboratorio Fitopatologico, Fondacione Minoprio, Italy (4 – days in 2014, workshop)
3. Faculty of Horticulture in Lednice, Mendel University in Brno, Czech Republic (1 week in 2014, visiting professor)
4. Ondokuz Mayis University, Turkey (1 week in 2016, visiting professor)

Professional profiles: ORCID: https://orcid.org/0000-0003-2664-8393

List of selected publications:
1. Kućmierz J., **Nawrocki J.**, Sojka A. 2013. Fungi isolated from diseased blueberries fruit buds and mature fruits (*Vaccinium corymbosum* L.). Prog. Plant Prot./Post. Ochr. Roślin, 53(4), 779-784.
2. Kućmierz J., **Nawrocki J.**, Sojka A. 2013. Susceptibility of several cultivars of blueberry (Vaccinium corymbosum L.) to diseases. / Podatność kilkunastu odmian borówki wysokiej (*Vaccinium corymbosum* L.) na choroby. Prog. Plant Prot./Post. Ochr. Roślin, 53(4), 785-788.
3. Mazur S., Kurzawińska H, Nadziakiewicz M., **Nawrocki J.** 2015. Redroot pigweed (*Amaranthus retroflexus* L.) as a host for *Alternaria alternata* – the causal agent of Alternaria leaf blight in potato (*Solanum tuberosum* L.). Zemdirbyste-Agriculture, vol. 102, 1, 115−118. DOI 10.13080/z-a.2015.102.015
4. Mazur S., Kurzawińska H., **Nawrocki J**., Nadziakiewicz M. 2016. Natural agents limiting diseases on potato tuber peel. Bulgarian Journal of Agriculture Science, 22(3), 458-464.
5. **Nawrocki J**., Machura M. 2016. Biological control of parsley (*Petroselinum crispum* var. *tuberosum*). Scietific proceedings of the 5th International Scientific Horticulture Conference, Slovak University of Agriculture in Nitra, 21-23.09.2016, 87-91. DOI: 10.1515/ahr-2016-0017
6. **Nawrocki J**. Pogodzińska M. 2016. Effectiveness of the biological control of garlic (*Allium sativum* L.). Acta Horticulturae et Regiotecturae, Special Issue, 15-17.
7. Kurzawińska H., Mazur S. **Nawrocki J.** Nadziakiewicz M. 2018. Weeds in potato culture and their outcome in spreading of *Alternaria ssp*. Acta. Sci. Polon. Hort. Cult. 17(6), 159-166. DOI: 10.24326/asphc.2018.6.16.
8. Mazur S. Nadziakiewicz M. Kurzawińska H., **Nawrocki J.** 2019. Effectiveness of mycorrhizal fungi in the protection of juniper, rose, yew and highbush blueberry against *Alternaria alternata*. Folia Hort. 31(1), 117-127. https://doi.org/10.2478/fhort-2019-0008

9. Kurzawińska H., Mazur S. **Nawrocki J.**. 2019. Microorganisms colonizing the leaves, shoots and roots of boxwood (*Buxus sempervirens* L.). Acta. Sci. Polon. Hort. Cult. 18(6), 149- 154. DOI: 10.24326/asphc.2019.6.15.
10. **Nawrocki J.**, Machura M., Mazur S. 2019. The effect of selected preparations on parsley health during growing season. Acta Hortic. 1264, 269-274. https://doi.org/10.17660/ActaHortic.2019.1264.33
11. **Nawrocki J**., Machura M., Mazur S. 2019. The effect of selected preparations on the healthiness of parsley roots (Petroselinum crispum var. tuberosum). Comm. Appl. Biol. Sci, Ghent University, 84(2), 1, 213-218.
12. **Nawrocki J**., Pogodzińska A., Mazur S. 2019. The effectiveness of selected biological and biotechnical agents in the protection of garlic (*Allium sativum* L.). Comm. Appl. Biol. Sci, Ghent University, 84(2), 1, 133-137.

Courses: Phytopathology, Agroecology, Phytopathological Diagnostics, Pesticides and biological effects of their use, Control of Plant Diseases, Plant Protection Techniques (in Polish); Integrated Plant Protection (in Polish, in English), Biological and Biotechnical Methods of Plant Protection (in Polish, in English), Ecological Methods of Plant Protection (in Polish, in English), Quarantine Pests and Diseases (in Polish, in English).