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Date and birth place: 21 May 1983, Gotse Delchev

Research interests: Forest Entomology, Forest Protection, Bioecology, *Thaumetopoea pityocampa*, Climate change

Education:

2015: PhD in Forest Research Institute, BAS, Phd Thesis: „Studies on species composition and bioecological specifics of leafroller moths (Lepidoptera: Tortricidae) on *Quercus* spp.“

2000-2005: Landscape architecture, University of Forestry, Sofia

Training:

2018: Forest Zoology Research Unit (URZF, Unité de Recherche de Zoologie Forestière), INRA Orléans, France

Employment:

2016-present: Assist. prof. Dr., Forest Research Institute, BAS

2010-2015: PhD student, Forest Research Institute, BAS

2007-2010: landscape architect, University Botanic Gardens, Sofia University „St. Kliment Ohridski“

Administrative responsibilities:

2018-present: Member of the Scientific Council of the Forest Research Institute, BAS

Teaching Experience:

2019-present: Part-time assistant of the University of Forestry – Sofia

List of selected publications for last five years:

Zaemdzhikova G (2020) The factors influencing of the expansion of the pine processionary moth (*Thaumetopoea pityocampa*) in Central Bulgaria. *Acta zoologica bulgarica*, Supplementum 15: 103-108.

Zaemdzhikova G (2020) The flight of the pine processionary moth (*Thaumetopoea pityocampa*) in the vally of Mesta, Bulgaria. *Acta zoologica bulgarica*, Supplementum 15: 109-115.

Zaemdzhikova G (2020) Insect pests in the forests of Bulgaria and their economic importance. *Polish Journal of Entomology* 89(4): 226-235

Zaemdzhikova G (2020) Trophic connections of leaf-eaters of the Tortricidae family and oaks in Sofia Region, Bulgaria. *Ecologica Montenegrina* 30: 47-50.

Zaemdzhikova G. (2020) Importance of soil for the spread of the pine processionary moth (*Thaumetopoea pytiocampa*) in Bulgaria. *Acta entomologica serbica* 25 (2): 49-57.

Zaemdzhikova G, Doychev D (2020) The hatching period of winter and summer populations of *Thaumetopoea pityocampa* (Lepidoptera: Notodontidae) in Bulgaria. *Ecologia Balkanica* 12 (2): 175-185.

- Zaemdzhikova G**, Doychev D (2020) A new predator on the processionary moth larvae in Bulgaria. *ZooNotes* 160: 1-4.
- Zaemdzhikova G**, Georgieva M, Glogov P, Doychev D (2020) *Impatiens glandulifera*, a new host of the tortrix *Pristerognatha fuligana* in Bulgaria. *ZooNotes* 166: 1-4.
- Zlatkov B, Ruseva S, **Zaemdzhikova G** (2020) *Mesophleps oxycedrella* (Lepidoptera: Gelechiidae) in association with *Juniperus excelsa* (Cupressaceae) in Bulgaria. *ZooNotes* 160: 1-4.
- Zaemdzhikova G**, Georgiev G, Georgieva M, Matova M, Mirchev P (2020) Variability of the phenology and ecology of the pine processionary moth, *Thaumetopoea pityocampa* in the Southeastern Rhodopes, Bulgaria. *Nauka za gorata* 1: 101-110.
- Zaemdzhikova G**, Mirchev P, Georgiev G, Georgieva M (2020) Dependence of flight period of *Thaumetopoea pityocampa* from the local temperature profile of the habitat. *Nauka za gorata* 2: 129-142.
- Zaemdzhikova G** (2020) Economic importance of the pine sawflies for the Bulgarian forests. *Journal of ecological engineering and environmental protection* 3: 33-37.
- Zaemdzhikova G**, Markoff I, Mirchev P (2020) An indicator species of climate warming in Bulgaria. *Comptes Rendus de L'Academie Bulgare des Sciences* (in print).
- Zaemdzhikova G**, Mirchev P, Georgiev G (2019) Economically important insect pests in Bulgarian forests during the period 2003-2018. *Nauka za gorata* 2: 105-113.
- Zaemdzhikova G**, Doychev D (2019) New data on the distribution of *Thaumetopoea pityocampa* (Denis & Schiffermüller, 1775) (Lepidoptera: Notodontidae) in Bulgaria In: *Proceeding Papers „150 Years of Bulgarian Academy of Sciences”, Professor „Marin Drinov” Academic Publishing House, Sofia, 303: 17-24.*
- Mirchev P, Georgieva M, **Zaemdzhikova G**, Matova M, Hlebarska S, Filipova E, Georgiev G (2019) Phenological form diversity of *Thaumetopoea pityocampa* in Bulgaria. *Topola* 203: 65-69.
- Doychev D, **Zaemdzhikova G**, Topalov P, Hubenov Z, Georgiev G (2019) New parasitoids on longhorn beetles (Coleoptera: Cerambycidae) in Bulgaria. *Acta zoologica bulgarica* 71 (2): 175-182.
- Zaemdzhikova G**, I. Markoff, P. Mirchev, G. Georgiev, M. Georgieva, R. Nachev, M. Zaiakova, M. Dobрева (2018) Zone and rate of pine processionary moth (*Thaumetopoea pityocampa*) expansion in Bulgaria. *Silva Balcanica* 19(3): 13-20.
- Mirchev P, Georgiev G, Georgieva M, Matova M, **Zaemdzhikova G** (2018) Enlargement of pine processionary moth (*Thaumetopoea pityocampa*) range in Bulgaria. *Forest Review* 48 (1): 4-7.
- Mirchev P, Georgiev G, Tsankov G, Georgieva M, **Zaemdzhikova G**, Matova M (2018) Assessing pine processionary moth (*Thaumetopoea pityocampa*) unfertilized eggs in different localities in Bulgaria. *Nauka za gorata* 1: 69-76.
- Doychev D, Topalov P, **Zaemdzhikova G**, Sakalian V, Georgiev G (2017) Host plants of xylophagous longhorn beetles (Coleoptera: Cerambycidae) in Bulgaria. *Acta zoologica bulgarica* 69 (4): 511-528.
- Zaemdzhikova G** (2017) Ichneumon wasps (Hymenoptera: Ichneumonidae) reared from tortrix moths (Lepidoptera: Tortricidae) in oak forests in Sofia region, Bulgaria. *Acta zoologica bulgarica, Supplementum* 8: 123-128.
- Zaemdzhikova G** (2017) Duration of leafroller moths's period of emergence (Lepidoptera: Tortricidae) in Sofia Region. *Nauka za gorata* 1: 91-100.
- Zaemdzhikova G**, Todorov I, Stojanova A (2016) Two new chalcidoid parasitoids (Hymenoptera: Chalcidoidea) of *Tortrix viridana* L. (Lepidoptera: Tortricidae) for the fauna of Bulgaria. *Acta zoologica bulgarica* 68(1): 139-140.

Llist of selected research projects for last five years:

- Aspects of biology of leafroller moths (Lepidoptera: Tortricidae) causing damages on oaks in Nature Park „Vitosha” and determination of parasitoids to control their impact. 2016-2017.

Bulgarian Academy of Sciences. Program for support of young scientists in BAS, 2016. Project Leader: Dr. Gergana Zaemdzhikova.

- International Co-operative Programme on Assessment and Monitoring of Air Pollution Effects on Forests operating under the UNECE Convention on Long-range Transboundary Air Pollutions: ICP Forests of EU program. 2000-2020. Project Leaders: Prof. DSc Pl. Mirchev, Prof. Dr E. Pavlova.
- Expansion of pine processionary moth (*Thaumetopoea pityocampa* (Denis & Schiffermüller, 1775) (Lepidoptera, Thaumetopoeidae) in Bulgaria – a dangerous allergen and economical important pest in the pine ecosystems. Funded by National Science Fund of Bulgaria. 2017-2020. Project Leader: Prof. DSc Pl. Mirchev.
- Standardizing Automated large-scale Monitoring to understand atypic Phenologies at both ends (France and Bulgaria) of the climate-driven expansion front of a European urticating pest, the Pine Processionary Moth. Funded by National Science Fund of Bulgaria. 2017-2019. Project Leader: Prof. DSc Pl. Mirchev.