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**Date and birth place:** 11 May 1957, Gorni Lom vil., Vidin District

**Research interests:** Forest Entomology, Forest Protection, Cerambycidae, Biodiversity, Parasitoids, Biological Control, Game Fauna

### **Education:**

2006: DSc in Forest Protection, Forest Research Institute, BAS, Thesis: „Phytophagous insects on poplars (*Populus* spp.) and parasitoids on them in Bulgaria“

1995: PhD in Forest Protection, Forest Research Institute, BAS, Thesis: „Poplar Clearwing Moth, *Paranthrene tabaniformis* (Rottemburg, 1775) (Lepidoptera: Sesiidae) – biology, ecology and possibilities for control in Northern Bulgaria“

1983: MSc in forestry and forest protection, Voronezh State Academy of Forestry, Russia

### **Training:**

1986: Central Research Institute of Forest Genetics and Breeding, and Voronezh State Academy of Forestry, Russia

### **Employment:**

2007-present: Professor, Department of Forest entomology, phytopathology and game fauna, Forest Research Institute, BAS

1997-2007: Associate Professor, Department of Forest entomology and phytopathology, Forest Research Institute, BAS

1989-1997: Assistant Professor, Department of Forest entomology and phytopathology, Forest Research Institute, BAS

1985-1989: Assistant Professor, Experimental Station for Fast-Growing Forest Trees Species – Svishtov

1984-1985: Forest Engineer, State Forestry Chuprene

### **Administrative responsibilities:**

2017-present: Deputy Director of the Forest Research Institute, BAS

2013-2015; 2018-present: Chairman of the Scientific Council of the Forest Research Institute, BAS

2010-2013: Head of Laboratory „Ecology of Game Fauna“, Forest Research Institute, BAS

2010: Member of the Constituent Scientific Council of the Institute of Biodiversity and Ecosystem Research, BAS

2009-2010: Member of the Scientific Council of the Insitute of Zoology, BAS

2007-2010: Member of the Specialized Scientific Council of the Forestry and Ecology, University of Forestry – Sofia and Forest Research Institute, BAS

2002-2013: Member of the Scientific Council of the Forest Research Institute, BAS

### **Participation in expert councils and commissions:**

1995-present: National Commission on Forest Protection

**Teaching Experience:**

1991-1992: Part-time assistant of the University of Forestry – Sofia

**Training students:**

2013-present: Supervisor of three PhD students, Forest Research Institute, BAS, Sofia

2002-2005: Supervisor of PhD student, Forest Research Institute, BAS, Sofia

1999-2000: Consultant of PhD student, University of Forestry – Sofia

**Membership in scientific organisations:** Union of Scientists in Bulgaria, Bulgarian Entomological Society

**Publications:** Five books and 320 papers published (over 200 in peer-reviewed journals). The list of selected publications for the last five years:

**Georgiev G**, Rousselet J, Laparie M, Robinet C, Georgieva M, Zaemdzhikova G, Roques A, Bernard A, Poitou L, Boradino M, Kerdelhue C, Rossi JP, Matova M, Boyadzhiev P, Mirchev P (2020) Comparative studies of egg parasitoids of the pine processionary moth (*Thaumetopoea pityocampa*, Den. & Schiff.) in historic and expansion areas in France and Bulgaria. *Forestry* 93: 1-8.

**Georgiev G** (2020) New records of longhorn beetles (Coleoptera: Cerambycidae) in entomological collections in Bulgaria. *Forest science* 1: 87-99.

Georgieva M, **Georgiev G**, Matova M, Zaemdzhikova G, Mirchev P, Boyadzhiev P (2020) Egg parasitoid complex of the pine processionary moth (*Thaumetopoea pityocampa*) in Thasos Island, Greece. *Silva Balcanica* 21 (2): 35-44.

Georgieva M, Matova M, Zaemdzhikova G, Markoff I, Mirchev P, **Georgiev G** (2020) Ecological characteristics of *Thaumetopoea pityocampa* Denis & Schiffermüller, 1775 (Lepidoptera: Notodontidae) in egg stage in Thasos Island, Greece. *Ecologica montenegrina* 32: 1-9.

Georgieva M, Mirchev P, **Georgiev G** (2020) *Syspastospora parasitica*, a parasite of the fungi *Beauveria pseudobassiana* and *B. varroae* attacking *Thaumetopoea pityocampa* – a new tritrophic association in Bulgaria. *Acta zoologica bulgarica, Supplementum* 15: 97-102.

Zaemdzhikova G, **Georgiev G**, Georgieva M, Mirchev P (2020) Variability in the phenology and ecology of pine processionary moth (*Thaumetopoea pityocampa*) in the south-eastern Rhodopes, Bulgaria. *Forest science*, 1: 101-110.

Barta M, Horáková MK, Georgieva M, Mirchev P, Zaemdzhikova G, Pilarska D, Takov D, Todorov M, Hubenov Z, Pilarski P, **Georgiev G** (2020) Entomopathogenic Fungi (Ascomycota: Hypocreales) as Natural Antagonists of the Pine Processionary Moth *Thaumetopoea pityocampa* (Denis & Schiffermüller, 1775) (Lepidoptera: Notodontidae) in Bulgaria. *Acta zoologica Bulgarica, Supplementum* 15: 89-96.

Boyadzhiev P, Antov M, Mirchev P, Georgieva M, Zaemdzhikova G, Matova M, **Georgiev G** (2020) *Eupelmus (Macroneura) vladimiri* (Hymenoptera: Eupelmidae) – a new egg parasitoid of *Thaumetopoea pityocampa* (Lepidoptera: Notodontidae). *Acta zoologica Bulgarica* 72 (3): 487-489.

Dobрева M, Dermendzhiev P, Kavardzhikov N, Nachev R, Boyadzhiev P, **Georgiev G** (2020) New Parasitoids of *Leucoptera sinuella* (Reutti) (Lepidoptera: Lyonetiidae) in Bulgaria. *Acta zoologica bulgarica, Supplement* 15: 85-88.

Gradinarov D, Sivilov O, Gashtarov V, Migliaccio E, Sakalian V, **Georgiev G** (2020) New records of longhorn beetles (Coleoptera: Cerambycidae) in Bulgaria. *Silva Balcanica* 21 (1): 91-112.

- Nikolov G, Kandova Y, Petrunov B, Mirchev P, **Georgiev G** (2020) Skin reactions to allergens from processionary caterpillars (Genus *Thaumetopoea*). *Problems of Infectious and Parasitic Diseases* 48 (2): 15-20.
- Pilarska D, Schafellner C, **Georgiev G**, Georgieva M, Mirchev P, Zelinka P, Grollnig K, Goertz D, Linde A, Hoch G (2020) *Entomophaga maimaiga*, an introduced pathogen of the gypsy moth, *Lymantria dispar*, in Europe: A joint study in Bulgaria and Austria. *Mitteilungen der Deutschen Gesellschaft für allgemeine und angewandte Entomologie* 22 (1): 285-288.
- Sakalian V, Migliaccio E, Tassi F, Doychev D, **Georgiev G** (2020) New and interesting records of jewel and longhorn beetles from Abruzzo, Lazio and Molise National Park, Italy (Coleoptera: Buprestidae and Cerambycidae). *Fragmenta entomologica* 52 (1): 63-66.
- Hoch G, Pilarska D, Georgieva M, **Georgiev G**, Mirchev P, Schafellner C (2020) Erstnachweis des insektenpathogenen Pilzes *Entomophaga maimaiga* in Populationen des Schwammspinners in Österreich. *Forstschutz Aktuell* 66 (2): 1-7.
- Georgiev G**, Tabaković-Tošić M, Georgieva M, Mirchev P (2019) *Lymantria dispar* mortality in pupal stage caused by *Entomophaga maimaiga* in Bulgaria and Serbia. *Topola* 293: 71-78.
- Rossi W, Guéorguiev B, **Georgiev G**, Stoianova D (2019) Laboulbeniales (Ascomycota) from Bulgaria and other countries. *Plant Biosystems* 153 (1): 48-59. <https://doi.org/10.1080/11263504.2018.1454531>.
- 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.
- Dimitrov S, **Georgiev G**, Mirchev P, Georgieva M, Iliev M, Doychev D, Bencheva S, Zaemdzhikova G, Zaphirov N (2019) Integrated model of application of remote sensing and field investigations for sanitary status assessment of forest stands in two reserves in West Balkan Range, Bulgaria. *Proceedings of SPIE* 11174: 1117404. doi: 10.1117/12.2532313.
- Georgieva M, Nedjalkov D, **Georgiev G**, Matova M, Zaemdzhikova G, Petkov P, Mirchev P (2019) Monitoring of health status of *Quercus cerris* L. in the Eastern Balkan Range and the Ludogorie (Bulgaria). *Annual of Sofia University "St. Kliment Ohridski" Faculty of Biology, Book 4 - Scientific Sessions of the Faculty of Biology* 104: 154-165.
- Fernández-Fernández M, Naves P, Musolin D L, Selikhovkin A V, Cleary M, Chira D, Paraschiv M, Gordon T R, Solla A, Papazova-Anakieva I, Drenkhan T, Georgieva M, Altunisik A, Morales C, Tabaković-Tošić M, Avtzis D N, **Georgiev G**, Doychev D, Nacheski S, Trestic T, Elvira-Recuenco M, Diez J J, Witzell J (2019) Pitch canker disease and insects: Regional risks, environmental regulation and practical management options. *Forests* 10, 649: 1-34. [doi.org/10.3390/f10080649](https://doi.org/10.3390/f10080649).
- Georgieva M, **Georgiev G**, Mirchev P, Filipova E (2019) Monitoring on appearance and spread of harmful invasive pathogens and pests in Belasitsa Mountain. – In: X International Agricultural Symposium "AGROSYM 2019", Jahorina, 3-6 October 2019, Bosnia and Herzegovina: 1890-1895.
- Georgieva M, Mirchev P, **Georgiev G**, Zaemdzhikova G, Matova M, Filipova E, Petkov P (2019) Health status of pine stands observed in the extensive monitoring network in Bulgaria. – In: X International Agricultural Symposium "AGROSYM 2019", Jahorina, 3-6 October 2019, Bosnia and Herzegovina: 1896-1903.
- Sakalian V, Hristovski S, **Georgiev G**, Doychev D (2019) *Sphenoptera (Sphenoptera) cuprina cuprina* Motschulsky (Coleoptera: Buprestidae), a New Species to the Fauna of Macedonia. *Journal of the Entomological Research Society* 21 (3): 369-372.

- Georgieva M, Zaemdzhikova G, Mirchev P, **Georgiev G** (2019) Larval hatching period and dynamics of *Thaumetopoea pityocampa* summer phenological form in the Eastern Rhodopes, Bulgaria. *Forestry Ideas* 25, 2 (58): 451-458.
- Georgiev G**, Gradinarov D, Sivilov O, Gjonov I, Doychev D, Gashtarov V, Cvetkovska-Gjorgjievska A, Sakalian V (2019) A check list and areography of longhorn beetles (Coleoptera: Cerambycidae) in Belasitsa Mountain, Bulgaria and North Macedonia. *ZooNotes*, Supplement 8: 1-27.
- 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.
- Dimitrov S, **Georgiev G**, Georgieva M, Glushkova M, Chepischeva V, Mirchev P, Zhiyanski M (2018) Integrated assessment of urban green infrastructure condition in Karlovo region by in-situ observations and remote sensing. *One ecosystem* 3: e21610. <https://doi.org/10.3897/oneeco.3.e21610>.
- Tabaković-Tošić M, Milosavljević M, **Georgiev G** (2018) *Entomophaga aulicae* – new entomopathogenic fungus in the Republic of Serbia. *Acta zoologica bulgarica* 70 (1): 133-137.
- Simov N, Grozeva S, Langourov M, Georgieva M, Mirchev P, **Georgiev G** (2018) Rapid expansion of the Oak lace bug *Corythucha arcuata* (Say, 1832) (Hemiptera: Tingidae) in Bulgaria. *Historia naturalis bulgarica* 27: 51-55.
- Georgieva M, Bocheva L, Mirchev P, Tsankov G, Matova M, Zaemdzhikova G, Hlebarska S, **Georgiev G** (2018) Fecundity and egg abortion in two phenological forms of pine processionary moth (*Thaumetopoea pityocampa*) in Bulgaria. *Silva balcanica* 19 (1): 79-88.
- Georgiev G**, Gradinarov D, Gjonov I, Sakalian V (2018) A check list and areography of longhorn beetles (Coleoptera: Cerambycidae) in Strandzha Mountain, Bulgaria and Turkey. *Silva balcanica* 19 (1): 89-116.
- Sakalian V, Mühle H, Georgiev G (2018) New records of jewel beetles (Coleoptera: Buprestidae) from Kenya. *Acta zoologica bulgarica* 70 (3): 315-318.
- Doychev D, Topalov P, Zaemdzhikova G, Sakalian V, **Georgiev G** (2018) Additions to xylophagous longhorn beetles (Coleoptera: Cerambycidae) host plants in Bulgaria. *Silva balcanica* 19 (2): 47-54.
- 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. *Forest Science* 1: 69-76.
- Zaemdzhikova G, Markoff I, Mirchev P, **Georgiev G**, Georgieva M, Nachev R, Zaiakova M, Dobрева M (2018) Zone and rate of pine processionary moth (*Thaumetopoea pityocampa*) expansion in Bulgaria. *Silva balcanica* 19 (3): 13-20.
- Pilarska P, **Georgiev G**, Dobрева M, Takov D, Mirchev P, Doychev D, Georgieva M, Nachev R, Dermendzhiev P, Draganova S, Linde A, Hajek A E (2018) Pathogens and parasitoids of forest pest insects in the region of Forest protection station Plovdiv during the period 1990 - 2017. *Silva balcanica* 19 (3): 41-49.
- Boyadzhiev P, Mirchev P, **Georgiev G** (2017) Species of the Genus *Ooencyrtus* Ashmead, 1900 (Hymenoptera: Encyrtidae), Egg Parasitoids of *Thaumetopoea solitaria* (Lepidoptera: Notodontidae) in Bulgaria. *Acta zoologica bulgarica*, Supplement 8: 107-112.
- Mirchev P, **Georgiev G**, Georgieva M, Boyadzhiev P (2017) Structure of egg clusters and egg parasitism characteristics of *Thaumetopoea solitaria* (Freyer) (Lepidoptera: Notodontidae) in The Eastern Rhodopes, Bulgaria. *Silva balcanica* 18 (1): 41-52.

- Mirchev P, **Georgiev G**, Tsankov G (2017) Long-term studies on egg parasitoids of pine processionary moth (*Thaumetopoea pityocampa*) in a new locality in Bulgaria. Journal of the Research Entomological Society 19 (3): 15-25.
- Georgiev G**, Georgieva M, Mirchev P, Zhiyanski M (2017) Main insect pests and fungal pathogens on tree and shrub vegetation in urban ecosystems. Hlorind Ltd., 54 pp. ISBN:978-619-7228-04-5.
- 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.
- Dobrova M, Georgieva M, Dermendzhiev P, Velinov V, Nachev R, **Georgiev G** (2017) First record of *Sirococcus conigenus* on Norway spruce (*Picea abies*) in Bulgaria. Silva balcanica 18 (2): 49-52.
- Georgiev G**, Zaemdzikova G, Topalov P (2017) Impact of *Chorebus gedanensis* (Ratz.) (Hymenoptera: Braconidae) on *Hexomyza schineri* (Gir.) (Diptera: Agromyzidae) at low population density of the host in Vitosha mountain (Bulgaria). Silva balcanica 18 (2): 39-41.
- Zúbrik M., Hajek A, Pilarska D, Špilda I, **Georgiev G**, Hrašovec B, Hirka A, Goertz D, Hoch G, Barta M, Saniga M, Kunca A, Nikolov C, Vakula J, Galko J, Pilarski P, Csóka G (2016) The potential for *Entomophaga maimaiga* to regulate gypsy moth *Lymantria dispar* (L.) (Lepidoptera: Erebidae) in Europe. Journal of Applied Entomology 140 (8): 565-579. DOI: 10.1111/jen.12295.
- Pilarska D, Hajek A E, Keena M, Linde A, Kereselidze M, **Georgiev G**, Georgieva M, Mirchev P, Takov D, Draganova S. 2016. Susceptibility of nun moth, *Lymantria monacha*, larvae to the entomopathogenic fungus *Entomophaga maimaiga* under laboratory and field conditions. Acta zoologica bulgarica 68 (1): 117-126.
- Doychev D, Kechev M, Todorov I, Mirchev P, Bencheva S, **Georgiev G** (2016) New entomophagous enemies of *Ips typographus* (Linnaeus) (Coleoptera: Curculionidae) in Bulgaria. Acta zoologica bulgarica 68 (1): 131-134.
- Ferrer J, Sakalian V, **Georgiev G** (2016) Darkling and ironclad beetles (Coleoptera: Tenebrionoidea) of Kenya, with description of two new species. Acta zoologica bulgarica 68 (2): 159-170.
- Pilarska D, **Georgiev G**, Golemansky V, Pilarski P, Mirchev P, Georgieva M, Tabaković-Tošić M, Todorov M, Takov D, Pernek M, Hrasovec B, Milotic M, Dautabasic M, Mujezinovic O, Naceski S, Papazova-Anakieva I, Matova M, Vafeidis P (2016) *Entomophaga maimaiga* (Entomophthorales: Entomophthoraceae) in Balkan Peninsula – an overview. Silva balcanica 17 (1): 31-40.
- Mirchev P, **Georgiev G**, Georgieva M, Bocheva L (2016) Impact of low temperatures on pine processionary moth (*Thaumetopoea pityocampa*) larval survival in Bulgaria. Silva balcanica 17 (1): 51-58.

**Research projects:** Coordinator or participant in more than 50 national and international research projects. The projects for the last 5 years are listed below:

- Structural and functional characteristics and perspectives for the use of endemic relict coniferous communities in the changing climate in Bulgaria. Beneficiary: IBER-BAS. Funded by National Science Fund of Bulgaria. 2019-2022. Project Leader: Prof. DSc Tsvetomir Denchev.
- Using of UAS for health status assessment of forest stands in Southwestern Bulgaria. Funded by Southwestern State Enterprise - Blagoevgrad. 2020-2023. Project Leader: Ass. Sevdalin Belilov.

- Common cross-border policies for forestry protection (FORPRO). Lead Beneficiary: Regional Forest Directorate – Kardzhali. Funded by Cooperation Programme “INTERREG V-A Greece-Bulgaria 2014-2020”, the European Regional Development Fund (ERDF) and the national budgets of Greece and Bulgaria. 2017-2020. Project Leader for FRI: Prof. DSc Georgi Georgiev.
- Monitoring of xylophagous insects on the spruce, fir and Scots pine in the stands affected by the 2018 windstorm and the development of measures to reduce their numbers. Funded by South-Central State Enterprise - Smolyan. 2018-2021. Project Leader: Prof. DSc Georgi Georgiev.
- Health status of the common chestnut (*Castanea sativa* Mill.) stands in Belasitsa and Ograzhden Mts. and activities to improve their condition. Funded by Southwestern State Enterprise - Blagoevgrad. 2018-2021. Project Leader: Prof. Dr Margarita Georgieva.
- National Scientific Program ‘Environmental Protection and Reduction of the Risk of Adverse Events and Natural Disasters’. WP 1.1.4. Impact of climate change on forest ecosystems and adaptation measures. Assignor Ministry of Education and Science: 2018-2023. Project Leader: Prof. Dr. Margarita Georgieva.
- National Scientific Program ‘Environmental Protection and Reduction of the Risk of Adverse Events and Natural Disasters’. WP 1.1.8. Assessment of the danger of adverse / catastrophic atmospheric and hydrosphere occurrences. 2018-2023. Project Leader: Prof. Dr. Miglena Zhiyanski.
- 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 Plamen Mirchev, Prof. Dr Ekaterina Pavlova.
- Control and validation of the results of performed analyzes and studies of the species and natural habitats in Bulgaria, subject to reporting under Article 17 of the Habitats Directive and Article 12 of the Birds Directive. Funded by Executive Environment Agency. 2019-2020. Project Leader: Prof. Dr. Miglena Zhiyanski.
- 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 Plamen Mirchev.
- District plan for the development of the forest territories of Montana district. Funded by Executive Forest Agency. 2019-2020. Project Leader: Prof. DSc Georgi Georgiev.
- District plan for the development of the forest territories of Smolyan district. Funded by Executive Forest Agency. 2019-2020. Project Leader: Prof. Dr. Miglena Zhiyanski.
- District plan for the development of the forest territories of Dobrich district. Funded by Executive Forest Agency. 2019-2020. Project Leader: Prof. Dr. Maria Grozeva.
- 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 Plamen Mirchev.
- Toward better UNDERstanding the Ecosystem Services in URBan environments trough assessment and mapping (TUNESinURB). Funded by FM of EEA 2009-2014, Programme BG03 Biodiversity and ecosystems .2015-2017. Project Leader: Prof. Dr. Miglena Zhiyanski.
- East and South European Network for Invasive Alien Species – A tool to support the management of alien species in Bulgaria (ESENIASTOOLS). Beneficiary: IBER-BAS. Funded by FM of EEA 2009-2014, Programme BG03 Biodiversity and Ecosystem Services. 2015-2017. Project Leader: Dr Teodora Trichkova.
- Improving the Bulgarian Biodiversity Information System (IBBIS). Beneficiary: IBER-BAS. Funded by FM of EEA 2009-2014, Programme BG03 Biodiversity and ecosystems. 2015-2017. Project Leader: Prof. Dr Vladimir Vladimirov.