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- [Google Scholar](#) – Plamen Mirchev
- Head of Department of Forest Research Institute - BAS
- Member of the of General Assembly of the Researchers of BAS
- Member of the National Commission for Forest Protection of Ministry of Agricultural, Food and Forestry
- Head of Department „Forest science“ of Union of Scientists in Bulgaria.
- Associate Editor with “Forest science”

Research Interests

I am currently working as a Head of Department „Forest entomology, phytopathology and game fauna“ at Forest Research Institute – BAS.

Since 1986 I participate in the international project for monitoring of forest ecosystems and in the last years I lead the part elaborated by the Forest Research Institute.

I study the ecology and systematics of representative species of the genus *Thaumetopoea*, and primary egg parasitoids in pine processionary moth in its global range. I am implementing joint projects with scientists from Germany, France, Greece, Turkey, Albania, Bosnia and Herzegovina and others.

I have strong experience and performed research on patogenetic microorganisms on gypsy moth and its regulatory role at low population numbers of *Lymantria dispar*.

Projects

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: Evaluation and monitoring of forest ecosystems in Bulgaria - Project leader.

Expansion of pine processionary moth (*Thaumetopoea tityocampa* (Denis & Schiffermuller, 1775) (Lepidoptera, Thaumetopoeidae) in Bulgaria – a dangerous allergen and economical important pest in the pine ecosystems-Project leader.

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. Bilateral project – 2016, Forest Research Institute, Bulgarian Academy of Sciences and Institut National de la Recherche Agronomique (INRA, France) - Coordinator of the Bulgarian research team.

Toward better UNDERstanding the Ecosystem Services in URBan environments through assessment and mapping TUNESinURB“, funded under the program BG 03 Biodiversity and ecosystems financed by the Financial Mechanism of the European Economic Area (EEA FM) 2009-2014, MoEW – R Bulgaria and Contract. Д 33-82/14.08.2015, 2015 – 2017. Coordinator: Assoc. Prof. Dr. Miglena Zhiyanski, www.tunesinurb.org

Past projects

Natura 2000: Mapping and Identification of the Conservation Status of Natural Habitats and Species - Phase V.

Impact of entomopathogenic fungus *Entomophaga maimaiga* Humber, Shimazu and Soper on gypsy moth *Lymantria dispar* (Linnaeus) population and entomofauna biodiversity in oak ecosystems in Bulgaria. - Project leader: Prof. DSc G. Georgiev

URTICLIM Anticipation of climate change effects on the ecological and sanitary impacts of important urticating forest insect species (ANR BDIV 2007-013, Coordinator: Dr A. Roques)

Augmentative release of entomopathogenic fungus *Entomophaga maimaiga* Humber, Shimazu & Soper in gypsy moth populations to solve the problem with frequent pest calamities in forest ecosystems of Serbia. (Funded by Ministry of Education of Serbia, Project Leader: Prof. Dr M. Tabaković-Tošić).

New technological methods in the integral protection of forests with the focus on the entomopathogenic fungus *Entomophaga maimaiga*, as the possible solution to the problem of the frequent occurrences of the outbreak of gypsy moth in the forest ecosystems of Serbia. (Funded by Ministry of Education of Serbia, Project Leader: Prof. Dr M. Tabaković-Tošić).

Use of cut down spruce wood in 2012 to reduce the number of *Ips typographus* (Linnaeus) in "Bistrishko branishte" reserve. Project Leader: Prof. DSc G. Georgiev.

Publications

Mirchev, P., G. H. Schmidt, G. Tsankov, S. Pllana. 1999. The egg parasitoids of the processionary moth *Thaumetopoea pityocampa* (Den. & Schiff.) collected in Albania. – Bollettino di Zoologia agraria e di Bachicoltura, Ser. II, 31 (2), 152-165.

Mirchev, P., G. Ts. Georgiev, G. Tsankov. 2001. Studies on the parasitoids of *Gelechia senticetella* (Stgr.) (Lepidoptera: Gracillariidae). – Anzeiger für Schädlingkunde / Journal of pest science, 74 (4), 94-96.

Mirchev, P., G. H. Schmidt, G. Tsankov, M. Avci. 2004. Egg parasitoids of *Thaumetopoea pityocampa* (Den. & Schiff.) (Lep., Thaumetopoeidae) and their impact in SW Turkey. – Journal of applied entomology, 128 (8), 533-542.

Mirchev, P., G. Tsankov, G. Georgiev, P. Boyadzhiev. 2011 *Pediobius bruchicida* (Rondani) (Hymenoptera: Eulophidae) – an egg parasitoid of pine processionary moth, *Thaumetopoea pityocampa* (Denis & Schiffermüller) (Lepidoptera: Notodontidae) and a new species for Bulgarian fauna. – Acta zoologica bulgarica, 63 (3), 319-322.

Mirchev, P., G. Georgiev, M. Matova. 2011. Prerequisites for expansion of pine processionary moth *Thaumetopoea pityocampa* (Den. & Schiff.) in Bulgaria. – Journal of Balkan Ecology, vol. 14, 2, 117-130.

Mirchev, P., G. Georgiev, P. Boyadzhiev, M. Matova. 2012. Impact of entomophages on density of *Thaumetopoea pityocampa* in egg stage near Ivaylovgrad, Bulgaria. – Acta zoologica bulgarica, Supplement 4, 103-110.

Mirchev, P., A. Linde, D. Pilarska, P. Pilarski, M. Georgieva, G. Georgiev. 2013. Impact of *Entomophaga maimaiga* on gypsy moth populations in Bulgaria. – Insect pathogens and entomoparasitic nematodes. IOBC – WPRS Bulletin vol. 90, 359-363.

Mirchev, P., G. Georgiev, P. Boyadzhiev. 2014. First record of egg parasitoids of pistachio processionary moth, *Thaumetopoea solitaria* (Freyer) (Lepidoptera: Thaumetopoeidae). – Acta zoologica bulgarica, 66 (1), 109-113.

Mirchev P., M. Dautbašić, O. Mujezinović, G. Georgiev, M. Georgieva, P. Boyadzhiev. 2015. Structure of egg batches, hatching rate and egg parasitoids of the pine processionary moth, *Thaumetopoea pityocampa* (Denis and Schiffermüller, 1775) (Lepidoptera: Notodontidae), in Bosnia and Herzegovina. – Acta zoologica bulgarica 67 (4), 579-586.

Mirchev P. 2015. in Roques A. (Ed.) Processionary Moths and Climate Change: An Update. Springer Netherlands, pp. 427.