

Prevalence of *Gregarina typographi* Fuchs (Apicomplexa: Gregarinidae) and Nematodes (Nematoda) in Bark Beetles (Coleoptera: Scolytinae) from Bulgaria Depending on the Host Gender

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Abstract: The prevalence of the protozoan *Gregarina typographi* and nematodes in males and females of 12 bark beetle species attacking spruce, white and black pine from 10 localities in Bulgaria was investigated. *Gr. typographi* was detected in 2 bark beetle species and showed higher prevalence in males (37%) and females (31.7%) of *Ips sexdentatus* compared with *I. acuminatus*. The highest prevalence of nematodes was in *I. sexdentatus*. 87.9% of the males and 91% of the females were infected. The lowest percentage was recorded in the males (8.3%) and in the females (16.7%) of *Trypodendron lineatum*. There were no statistical significant differences in the prevalence of *Gr. typographi* and nematodes in both genders of all investigated bark beetle species.

Key words: Bulgaria, bark beetles, gender, *Gregarina typographi*, nematodes, prevalence