

List of Protozoan and Microsporidian Pathogens of Economically Important Bark Beetle Species (Coleoptera: Curculionidae: Scolytinae) in Europe

*Danail Takov*¹, *Daniela Pilarska*¹, *Rudolf Wegensteiner*²

¹Institute of Zoology, Bulgarian Academy of Sciences, 1, Tsar Osvoboditel Blvd., Sofia 1000, Bulgaria;
E-mails: dtakov@yahoo.com, dpilarska@zoology.bas.bg;

²Institute of Forest Entomology, Forest Pathology and Forest Protection, BOKU, Hasenauerstraße 38, A-1190 Vienna, Austria;
E-mail: rudolf.wegensteiner@boku.ac.at

Abstract: A list of protozoan and microsporidian pathogens of bark beetles is made. It includes 31 pathogens from 14 genera found in 35 economically important bark beetle species (Coleoptera: Curculionidae: Scolytinae), mostly pests of different parts of spruce and pine trees. Their localization in the hosts and the authors who reported these pathogens are presented. The pathogen complex of the presented bark beetle species shows the following ratio: 6% amoebae, 19% eugregarines, 26% neogregarines and 49 % microsporidia.

Key words: amoebae, gregarines, neogregarines, microsporidia, infected organs, bark beetles