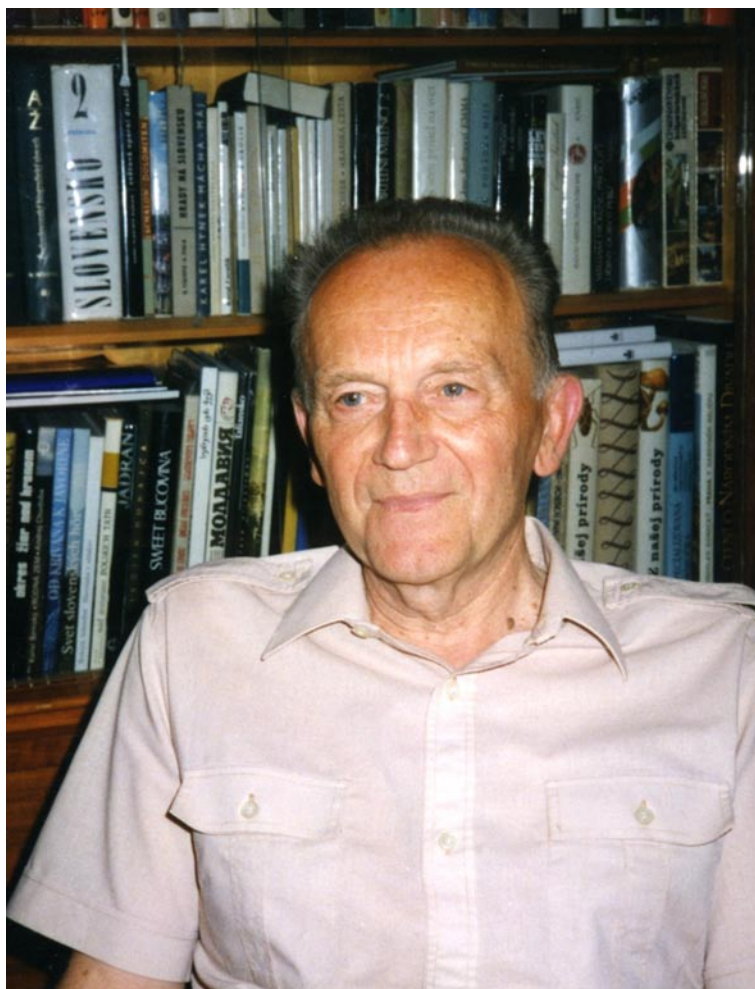


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## In Memoriam: Miroslav Čapek (1927 – 2008)

With 1 figure

MIROSLAV ČAPEK, Jr. and CORNELIUS VAN ACHTERBERG



A braconidologist and forest scientist, Associate Professor Ing. Miroslav Čapek, DSc. was born at Bezdekov in former Czechoslovakia on August 24, 1927. After leaving grammar school in 1946 he started studying at the Faculty of Forestry of Agricultural College in Brno (now Mendel Agriculture and Forestry University).

He spent almost 40 years in Slovakia where he worked for the Forestry Research Institute in Banska Stiavnica, Slovak Republic. In 1959 he completed his PhD at the Biological Institute of

the Czechoslovak Academy of Sciences in Prague. In the early 1960s, he attended a postdoctoral course focused on world forestry at the Agricultural College in Prague. In 1962, he received research fellowship from the National Research Council of Canada and spent one year working under the supervision of the well-known specialist P. B. Beirn at the Research Institute of Biological Control in Belleville, Ontario. In 1967, he became associate professor of forest protection at the Faculty of Forestry of Agricultural College in Brno where he also lectured in the 1980s. In 1973, he received his DSc degree from the Slovak Academy of Sciences in Bratislava.

For 25 years he held the position of the head of the Forestry Research Station in Banská Stiavnica, which was a part of the Forestry Research Institute in Zvolen. In the same institute he also held the position of the head of the Department of Forest Protection for 19 years. He was instrumental in the developing of forest protection, particularly forest entomology, and contributed greatly to the knowledge of health status of forests, insect pests, their natural enemies and the use of biological control to reduce their populations. However, his main research interests were in braconids. He studied their larval taxonomy, host relations, and life histories, and tried to apply these non-traditional aspects to the classification of suprageneric taxa. Some of his approaches were generally approved of by braconidologists, and nine species of braconids were named after him (received a specific name *capeki*). He is an author or coauthor of over 233 scientific papers and magazine articles, 17 books and two textbooks, including the first English-Slovak and Slovak-English dictionary of forestry and forest products.

M. Čapek also coordinated or participated on research projects within Czechoslovakia and Europe, reviewed scientific papers and books, and moreover he wrote a lot of external examiner's reports. He represented Czech and Slovak entomology at an international level. During his long and fruitful career he took part in numerous international conferences, congresses and symposia in many countries and studied braconids in the USA, the UK, Switzerland and Germany where he made contact with prominent specialists in braconids including W. R. Mason, C. F. W. Muesbeck and G. E. J. Nixon.

For many years he was a supervisor of PhD students in entomology, agricultural and forestry phytopathology and plant protection. In 1985 and 1988 he lectured on population dynamics of forest pests and entomophagous species in postgraduate courses at the University of Bayreuth, Germany as a visiting professor.

After his retirement in 1990 he taught English at a secondary school in Banská Stiavnica and a year later he moved to Brno (Czech Republic) where he continued his study of braconids, and kept in touch with his colleagues in Europe and overseas. He determined braconids for various institutions. One of his most noteworthy achievements was organizing and determining 12,000 individuals of braconids in the collection of the Zoological Museum in Lausanne, Switzerland. In the late 1990s he worked at the State Phytosanitary Administration in Brno.

Besides his scientific activities he never lost interest in folk and classical music, history, geography, botany, and he was a keen stamp collector and mushroomer. Last but not least, he had a passion for travelling – he visited 38 countries of four continents.

Miroslav passed away on October 8, 2008 at the age of 81.

### Literature partly provided by C. van Achterberg from Taxapad <sup>1</sup>

ČAPEK, M. 1955: [Einige Bemerkungen über die Parasitation der Raupen der Motte *Tachyptilia disquei* MEESS.] [Some notes on larval parasitoids of *Tachyptilia disquei* MEESS.]. – Zoologicke a Entomologicke Listy = Folia Zoologica et Entomologica Brno 4 (18): 29-32 (in Czech with Russ., Germ. summ.).

- ČAPEK, M. 1956: A new genus and species of Braconidae from Slovakia. – Zoologické Listy = Folia Zoologica, Brno 5 (19): 285-287.
- ČAPEK, M. 1956: [Beitrag zur Kenntnis der Raupenparasiten des Tannenknospenswicklers *Epiblema (= Eucosma) nigricana* H. S.] [A contribution to the knowledge of larval parasitoids of the Fir Budworm *Epiblema nigricana* H. S.]. – Biologia Bratislava 11: 597-605 (in Czech with Russ., Engl., Germ. summ.).
- ČAPEK, M. 1956: [Beitrag zur Zwischenwirtsfrage der Parasiten der Eichenwickler *Tortrix viridana* L. und *T. loefflingiana* L.]. – Lesnický Časopis 2: 320-330 (in Czech with Russ., Germ. summ.).
- ČAPEK, M. 1957: Beitrag zur Kenntnis der Entomophagen von *Pityokteines vorontzovi* JAC. und anderen Tannenborkenkäfern. – Zeitschrift für angewandte Entomologie 41: 277-284.
- ČAPEK, M. 1957: [Zwei bemerkenswerte Braconidenarten aus der Sammlung von Prof. SNOFLÁK.] – Acta Societatis Entomologicae Cechosloveniae 54 (1): 104.
- ČAPEK, M.; CHARVÁT, K. & PATOČKA, J. 1957: Zur Problematik der forstlichen Entomologie in der Slowakei. – Anzeiger für Schädlingskunde 30: 17-23.
- ČAPEK, M. & ZWÖLFER, H. 1957: *Apanteles murianae* nov. spec. (Braconidae, Hymenoptera), ein neuer Parasit des Tannentriebwicklers. – Mitteilungen der Schweizerischen Entomologischen Gesellschaft 30 (2): 119-126.
- ČAPEK, M. 1958: Revision der europäischen Arten der Gattung *Cosmophorus* RATZ. (Hymenoptera, Braconidae). – Acta Entomologica Musei Nationalis Pragae 32: 151-169.
- ČAPEK, M.; OBRTEL, R. & WEISER, J. 1958: [Diseases, parasitoids and predators of *Choristoneura murinana* HB. from an outbreak in central Slovakia]. – Lesnický Časopis 4: 46-70 (Czech, Russ., Germ. summ.).
- ČAPEK, M. 1959: Beitrag zur Kenntnis der Zwischenwirte der parasitischen Insekten von Eichenschädlingen (Lepidoptera) in der Slowakei. – Internationaler Kongress Pflanzenschutz, Hamburg, Verh. IV. (1957) 1: 999-1001.
- ČAPEK, M. & SNOFLÁK, J. 1959: Beitrag zur Kenntnis der europäischen Arten der Gattung *Streblocera* WESTWOOD (Hymenoptera, Braconidae). – Acta Societatis Entomologicae Cechosloveniae 56: 343-354.
- ČAPEK, M. 1960: [Verzeichnis der Parasiten, die aus schädlichen Insekten an VULH in Banská Stianica erzogen wurden. Teil I. Wirte der Brackwespen - Braconidae (Hymenoptera).] [List of parasitoids reared from insect pests in Forest Research Institute in Banská Stianica, Pt. 1 - Hosts of Braconidae.]. – Vedecké Práce 1: 199-212. (in Slovak).
- ČAPEK, M. 1961: Zur Kenntnis der Raupenparasiten des Tannenknospenswicklers *Epinotia nigricana* H. S. – Zeitschrift für angewandte Entomologie 48: 75-93.
- ČAPEK, M. 1961: [Natürliche Feinde der Tannenlepidopteren mit besonderer Berücksichtigung der Parasiten.]. – Bratislava: 158 pp. (in Czech, Russ., Germ. summ.).
- ČAPEK, M. 1961: [The outbreak of *Zeiraphera diniana* GUEN. on the spruce in the area of Prásva Mt.]. – Lesnický Časopis 7: 260-271 (Slovak, Russ., Germ. summ.).
- ČAPEK, M. 1962: Synparasitische Beziehungen der Tannenlepidopteren in der Slowakei. – Internationaler Kongress Entomologie XI. Wien (1960) 2: 706-711.
- PATOČKA, J.; ČAPEK, M. & CHARVÁT, K. 1962: [A contribution to the knowledge of the arthropod fauna of oak crowns in Slovakia with the special reference to the order Lepidoptera.]. – Biologické Práce SAV 8: 154 pp. (Slovak, Russ., Germ. summ.).
- ČAPEK, M. 1963: Verzeichnis der Parasiten, die aus schädlichen Insekten an VULH in Banská Stianica erzogen wurden. Teil III. Wirte von Ichneumoniden (Ichneumonidae), Chalcididen (Chalcidoidea), Proctotrupiden (Proctotrupeoidea) und Bethyriden (Bethyridae) (Hymenoptera) [List of parasitoids reared from insect pests in Forest Research Institute at B. Stianica, Pt. 3 – Hosts of Ichneumonidae, Chalcidoidea, Proctotrupeoidea, and Bethyridae.]. – Vedecké Práce 4: 239-272.

<sup>1</sup>Taxapad 2005 includes REFINd for Windows 98, 2000, NT & XP by Dicky S. Yu, Kees van Achterberg & Klaus Horstmann.

- ČAPEK, M. 1963: [New information from the life history of larval parasitoids of *Choristoneura murinana* Hb. and *Epinotia nigricana* H. S.]. – Zeitschrift für angewandte Entomologie 51: 137-141 (Germ., Engl. summ.).
- PATOČKA, J. & ČAPEK, M. 1963: [A contribution to the knowledge of Arthropod fauna of fir crowns defoliated by the outbreak of *Choristoneura murinana* Hb.]. – Vedecke Prace VULH, B. Stiavnica 4: 211-236 (Slovak, Russ., Germ. summ.).
- ČAPEK, M. 1964: Forest entomological problems in Eastern Europe. – In: Doc. FAO/IUFRO Symp. on int. dangerous for. Diseases and Insects, Oxford: 8 pp.
- ČAPEK, M. 1965: The classification of Braconidae in relation to host specificity. – Proceedings of the 12th International Congress of Entomology, London 1964: 98-99.
- ČAPEK, M. 1969: An attempt at a natural classification of the family Braconidae based on various unconventional characters (Hymenoptera). – Proceedings of the Entomological Society of Washington 71 (3): 304-312.
- ČAPEK, M.; KRISTEK, J. & OEHLKE, J. 1969: Zur Problematik der Insektenparasiten des Fichtennestwicklers *Epinotia tedella* (Cl.) [Problems of parasitoids of *Epinotia tedella* (Cl.)]. – Sbornik Vysoke Skoly Zemedelske v Brne 38: 271-283.
- ČAPEK, M. 1970: A new classification of the Braconidae (Hymenoptera) based on the cephalic structure of the final instar larva and biological evidence. – Canadian Entomologist 102: 846-875.
- ČAPEK, M. 1970: [The taxonomy of Braconid larvae.]. – Vedecke Prace VULH Zvolen 12: 245-279 (Slovak, Russ., Engl., Germ. summ.).
- ČAPEK, M. 1970: On the possibility of biological control of North American goldenrods in Europe. – In: SIMMONDS, F. J. (Ed.): Proc. 1st. 1969. – Misc. Publ. of CIBS Trinidad 1: 1-3.
- ČAPEK, M. 1971: The classification of Braconidae (Hymenoptera) from the viewpoint of their biology. – Proceedings of XIII International Congress of Entomology, Moscow 2-9 August (1968) 1: 120-121.
- ČAPEK, M. 1971: [The results of experiments on the introduction of egg parasitoids of *Lymantria dispar* L. into Slovakia.]. – Lesnický Časopis 17: 127-137 (Slovak, Russ., Engl., Germ. summ.).
- ČAPEK, M. 1971: The possibility of biological control of imported weeds of the genus *Solidago* L. in Europe. – Acta Instituti Forestalis Zvolenensis 2: 427-441.
- PATOČKA, J. & ČAPEK, M. 1971: Population changes of certain oak defoliators (Lepidoptera) in Slovakia. – Acta Instituti Forestalis Zvolenensis 2: 459-485.
- ČAPEK, M. 1972: Verzeichnis der aus Schädlinginsekten erzeugenen Parasiten. Teil V. - Die Brackwespen (Braconidae: Hymenoptera). – Entomologické Problemy Bratislava 10: 125-140 (Slovak).
- ČAPEK, M. 1973: Key to the final instar larvae of the Braconidae (Hymenoptera). – Acta Instituti Forestalis Zvolenensis: 259-268.
- ČAPEK, M. 1973: [The results of studying the impact of entomophagous insects on some oak defoliators during their low population density.]. – Vedecke Prace VULH Zvolen 18: 187-202 (Slovak, Russ., Engl., Germ. summ.).
- ČAPEK, M. 1975: [A contribution to the knowledge of some remarkable species of Braconidae.]. – Biologia, Bratislava 31: 815-820 (Slovak, Engl., Russ. summ.).
- ČAPEK, M. 1978: [Notes on parasitoids of some defoliators on forest tree species in Slovakia.]. – Vedecke Prace vyzkumneho ustavu Rostlinne vyroby v Praze ruzyni Zvolen 26: 147-167 (Slovak, Russ., Engl., Germ. summ.).
- ČAPEK, M. & DAVIDOVA-VÍLIMOVA, J. 1978: On the life history of *Aridelus egregius* (Hymenoptera: Braconidae) a parasite of European *Coptosma* (Heteroptera: Plataspidae). – Acta Entomologica Bohemoslovaca 75: 243-254.
- ČAPEK, M. & ČAPECKI, Z. 1979: A new genus and species of Euphorinae (Braconidae, Hymenoptera) from southern Poland. – Polskie Pismo Entomologiczne 49: 215-221.
- ČAPEK, M. 1981: [Mutual relationships of Braconids (Hymenoptera, Braconidae) and forest entomofauna.]. – Lesnictvi Prague 27: 1005-1016 (Slovak, Russ., Engl., Germ., French summ.).

- ČAPEK, M.; HLADIL, J. & SEDIVY, J. 1982: [The list of hymenopterous parasitoids (Hymenoptera) reared from insect hosts, Pt. VI.]. – Entomologické Problemy Bratislava 17: 325-370 (Slovak, Germ. summ.).
- ČAPEK, M. 1983: Relationships and taxonomic placement of the genus *Blacus* (Hymenoptera: Braconidae). – Contributions of the American Entomological Institute 20: 119-124.
- ČAPEK, M. 1983: The parasites of the European pine shoot moth *Rhyaciona buoliana* D. et S. (Lepidoptera) in Slovakia. – Acta Instituti Forestalis Zvolensis 6: 51-62.
- ČAPEK, M. 1984: [Hymenoptera] - 200 items. – In: JASIC, J. (ed.): [Entomological Encyclopaedia]. – Priroda, Bratislava: 680 pp. (Slovak).
- ČAPEK, M. 1984: Braconids as parasites of forest insect pests. – In: 17. Int. Congr. Ent. Hamburg, Abstr. Vol.: 604.
- ČAPEK, M. & PATOCKA, J. 1984: Wirtsbeziehungen der Forstschädlinge zu den Holzarten. – Internationales Symposium über Entomofaunistik in Mitteleuropa 10: 158-159.
- ČAPEK, M. 1985: [Annotated list of braconids (Hymenoptera: Braconidae) – Parasitoids of gypsy moth (*Lymantria dispar* L.)]. – Inform. Bjull. VPS MOBB 10: 32-37 (Russian, Engl. summ.).
- ČAPEK, M. 1985: [Braconids (Hymenoptera, Braconidae) as parasitoids of forest insect pests.]. – Lesnický Časopis 31: 199-212 (Slovak, Russ., Engl., Germ. summ.).
- ČAPEK, M. 1986: [Braconids (Hymenoptera: Braconidae) as parasitoids of oak bark mining and wood boring insects – carriers of tracheomycoses.]. – Biologia, Bratislava 41: 535-542 (Slovak, Engl., Russ. summ.).
- ČAPEK, M. 1987: The principles and methods of protecting the forests with integrated functions. – In: Funkcne integrovane obhospodarovanie lesov a komplexne vyuzitie dreva. – Zbor. Ref. medzin. ved. Konf. VSLD Zvolen: 29-36.
- ČAPEK, M. 1988: The Braconidae (Hymenoptera) as parasitoids of the gypsy moth, *Lymantria dispar* L. (Lepidoptera). – Acta Instituti Forestalis Zvolensis 7: 77-91.
- ČAPEK, M. 1988: Braconids. – Pp. 38-43, Tab. 44-46 – In: STARÝ, B.; BEZDECKA, P.; ČAPEK, M.; STARÝ, P.; ZELENÝ, J. & SEDIVÝ, J.: Atlas of Insects Beneficial to Forest Trees. Vol. 2: 1-100 – Elsevier, Amsterdam.
- ČAPEK, M. 1988: Forewing and hind wing veins. – In: SHARKEY, M. (Ed.): Ichneumonoid wing venation. Ichnews 11: 2-4.
- ČAPEK, M. 1988: [The braconids (Hymenoptera: Braconidae) as parasitoids of clearwings (Lepidoptera: Sesiidae)]. – Entomologické Problemy Bratislava 18: 193-209 (Slovak, Engl., Germ., Russ. summ.).
- SEDIVÝ, J. & ČAPEK, M. 1988: The species of Aulacidae in Czechoslovakia (Hymenoptera, Evanoidea). – Acta Entomologica Bohemoslovaca 85: 231-233.
- ČAPEK, M. 1989: [*Orgilus hofferi* sp. n.]: 92-94. – In: TAEGER, A. (Ed.) [Palearctic species of *Orgilus* (Hymenoptera, Braconidae)]. – Arbeit aus dem Institut für Pflanzenschutzforschung Kleinmachow: 260 pp. (Germ., Russ., Engl. summ.).
- ČAPEK, M. 1989: [The braconids (Hymenoptera: Braconidae) as parasitoids of bugs (Heteroptera)]. – Entomologické Problemy Bratislava 19: 23-31 (Slovak, Engl., Russ. summ.).
- ČAPEK, M. 1989: The identity of *Apanteles dioryctriae* WILK. and *A. murinanae* CAP. & ZWOLF. (Hymenoptera: Braconidae). – Lesnictvi Prague 35 (11): 995-1001.
- NOVOTNY, J. & ČAPEK, M. 1989: Distribution of *Lymantria dispar* L. (Lepidoptera, Lymantriidae) egg parasitoids (Hymenoptera, Chalcidoidea, Proctotrupoidea) in Slovakia. – Biologia, Bratislava 44: 933-939.
- ČAPEK, M. & LUKAS, J. 1989: Braconidae: 27-44. – In: SEDIVY, J. (Ed.): Check list of Czechoslovak Insects III. – Hymenoptera. – Acta Faunistica Entomologica Musei Nationalis Pragae 19: 194 pp.
- ČAPEK, M. 1990: [The braconids (Hymenoptera, Braconidae) as parasitoids of tortricids (Lepidoptera, Tortricidae) injuring the forest trees.]. – Entomologické Problemy Bratislava 20: 211-238. (Slovak, Germ., Engl. summ.)
- ČAPEK, M. & ZWOLFER, H. 1990: Braconids (Hymenoptera: Braconidae) associated with insects inhabiting thistles (Asteraceae: Cynaroidea). – Acta Entomologica Bohemoslovaca 87 (4): 262-277.
- ČAPEK, M. 1992: New and interesting braconid species (Hymenoptera: Braconidae: Doryctinae) from east Mediterranean region. – Biologia Bratislava 47 (2): 135-141.

- ČAPEK, M. & ACHTERBERG, C. VAN 1992: A revision of the genus *Microtypus* RATZBURG (Hymenoptera: Braconidae). – Zoologische Mededelingen, Leiden **66** (16-40): 323-338.
- ČAPEK, M. 1994: English-Slovak and Slovak English Forestry and Wood Technology Dictionary. – UVVP LVH SR, Zvolen.: 305 pp.
- KULA, E.; BOUČEK, Z.; ČAPEK, M.; SEDIVÝ, J. & VACA, D. 1994: A complex of parasitoids of the case-bearer *Coleophora serratella* L. at its local mass outbreak in northern Bohemia. – Lesnictvi Prague **40** (4): 155-167.
- ČAPEK, M. 1995: 2. Hymenoptera: Ichneumonoidea 1. (Braconidae). 251-254 – In: ROZKOSNY, R.; VANHARA, J. (eds.): Terrestrial invertebrates of the Palava Biosphere Reserve of UNESCO II. – Folia Facultatis Scientiarum Naturalium Universitatis Masarykianae Brunensis Biologia **93**.
- ČAPEK, M. 1995: Die Bedeutung der Larvaltaxonomie und Angaben über die Bionomie als Grundlage für die Systematik höherer Taxone der Insekten am Beispiel der Familie der Brackwespen (Braconidae: Hymenoptera). – Entomofauna Carpathica **7** (3): 98-101.
- ČAPEK, M. & STARÝ, P. 1995: *Microctonus lipari* sp. nov., a new parasitoid of adult *Liparus* weevils in the Czech Republic (Hymenoptera: Braconidae). – Entomofauna **16** (4): 21-25.
- ČAPEK, M. 1996: [Braconids (Hymenoptera: Braconidae) as parasitoids of bark beetles (Coleoptera: Scolytidae)]: 27-33. – In: HLAVAC, P. (Ed.): [Biodiversity from the aspect of forest protection and game management.]. – Technical University, Zvolen: 322 pp. (Slovak).
- ČAPEK, M. & HOFMANN, C. 1997: The Braconidae (Hymenoptera) in the collections of the Musée cantonal de Zoologie, Lausanne. – Litterae Zoologicae Lausanne **2**: 25-163.
- ČAPEK, M.; KULFAN, J.; SUSLIK, V.; ZACH, P. & KRISTIN, A. 1997: Lepidoptera as hosts of braconids (Braconidae: Hymenoptera). Conference on Insects and Environment, Zvolen, Slovakia, 5-6 September 1995. – Biologia Bratislava **52** (2): 327-329.
- ČAPEK, M. 1998: [Beetles (Coleoptera) as the hosts of braconids (Braconidae, Hymenoptera)]: 147-152. – In: KROPIL, R. (Ed.): [Current problems of forest zoology and forest entomology]. – Technical University, Zvolen: 209 pp. (Slovak, Engl. summ.).
- TOBIAS, V. I.; ČAPEK, M. & LAUTERER, P. 1998: Braconidae (Hymenoptera) from Afghanistan in the collections of the Moravian Museum. – Acta Musei Moraviae Scientiae Biologicae **82**: 173-190.
- ČAPEK, M.; KRISTIN, A.; NOVOTNY, J.; FINDO, S.; HESKO, J. & PATOCKA, J. 1999: Feinde der Eichenschädlinge. – In: PATOCKA, J.; KRISTIN, J.; KULFAN, J. & ZACH, P. (Eds.): Die Eichenschädlinge und ihre Feinde. – Institut für Waldökologie der Slowakischen Akademie der Wissenschaften, Zvolen: 277-347.
- PATOCKA, J.; STEPANOVICOVA, O.; BIANCHI, Z.; ČAPEK, M.; HOLECOVA, M. & ZACH, P. 1999: Gliedertiere (Arthropoda) an Aichen. – In: PATOCKA, J.; KRISTIN, J.; KULFAN, J. & ZACH, P. (Eds.): Die Eichenschädlinge und ihre Feinde. – Institut für Waldökologie der Slowakischen Akademie der Wissenschaften, Zvolen: 33-114.
- TURCANI, M. & ČAPEK, M. 1999: [The results of study of parasitoids and insect predators of some bark beetles in model artificial and nature close spruce stands.]. – Lesnický Časopis **45**: 291-307 (Slovak, Engl. summ.)
- SEVCIK, J. & ČAPEK, M. 2002: Two host records of Braconidae (Hymenoptera) from the Czech Republic. – Casopis Slezského Zemského Muzea Serie A Vedy Prirodni **51** (3): 205-206.
- ČAPEK, M. 2007: Braconids. – In: HUDEC, K.; KOLIBAC, J.; LASTUVKA, Z. & PENAZ, M. (Eds.): [A Guide to the Fauna of the Czech Republic]. – Academia, Praha: 292-294 (Czech).

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