

CONTENTS VOLUME 64

REVIEW ARTICLES

- G. Karbowski, B. Biernat, J. Stańczak, J. Werszko, T. Szewczyk, H. Sytykiewicz: The role of particular ticks developmental stages in the circulation of tick-borne pathogens in Central Europe. 5. Borreliaceae.151
- G. Karbowski, B. Biernat, J. Stańczak, J. Werszko, T. Szewczyk, H. Sytykiewicz: The role of particular ticks developmental stages in the circulation of tick-borne pathogens in Central Europe. 6. *Babesia*.265
- E. Kialashaki, A. Daryani, M. Sharif, S. Gholami, S. Dodangeh, Y.D. Moghddam, S. Sarvi, M. Montazeri: *Acanthamoeba* spp. from water and soil sources in Iran: a systematic review and meta-analysis285
- K. Kot, N.A. Łanocha-Arendarczyk, D.I. Kosik-Bogacka: Amoebas from the genus *Acanthamoeba* and their pathogenic properties299
- Ł. Mazurek, S. Winiarczyk, Ł. Adaszek: Feline bartonellosis key issues and possible vectors309
- T.V. Moskvina: Current knowledge about *Aelurostrongylus abstrusus* biology and diagnostic3
- S.O. Movsesyan, M.A. Nikoghosian, R.A. Petrosian, E.A. Vlasov, D.N. Kuznetsov: Nematodes of rodents of Armenia173

ORIGINAL PAPERS

- V. Ajamein, G. Eslami, S. Ahmadian, A. Khamesipour, M. Elloumi: Gene expression of RNAP II, JBP1 and JBP2 in *Leishmania major* exposed to antimonials, amphotericin B and paromomycin181
- R.F. Aminov, A.K. Frolov: The impact of fetal load of *Hirudo verbana* saline extract antigens on morphometrical, hematological and immunological parameters of rats in the early stages of post-embryonic development13
- W. Baltaza, M. Padzik, J.P. Szaflik, M. Dybicz, A. Grochowska, A. Kuryłowicz, L. Chomicz: Comparative examination on selected amphizoic amoebae in terms of their *in vitro* temperature tolerance – a possible indirect marker of potential pathogenicity of *Acanthamoeba* strains317
- H. Borji, M.M. Bahar, A. Naghibi, S.H. Fattahi: Genotyping of human cystic echinococcosis in northeastern Iran .323
- G. Castillo, J.C. Acosta, G. Ramallo, J. Pizarro: Pattern of infection with *Parapharyngodon riojensis* Ramallo, Bursey, Goldberg 2002 (Nematoda: Pharyngodonidae) in the lizard *Phymaturus extrilidus* from Puna region, Argentina .83
- A.W. Demiaszkiewicz, K.J. Filip: Microfilariae *Onchocerca alcis* Bain et Reh binder, 1986 – a new parasite of moose *Alces alces* (L.) in Poland89
- A.W. Demiaszkiewicz, D. Merta, J. Kobielski, K.J. Filip: A further increase in the prevalence and intensity of infection with *Ashworthius sidemi* nematodes in red deer in the Lower Silesian Wilderness189
- J.A. Dianso, G.G. Garcia, L.P. Belotindos, C.N. Mingala: Molecular identification of *Buxtonella sulcata* from associated-diarrhea in water buffaloes (*Bubalus bubalis*) in the Philippines93
- C.Y.J. Domingo, H.G. Pascual, C.N. Mingala: Detection of *Cryptosporidium parvum* DNA in fecal samples of infected cattle (*Bos indicus*) and water buffaloes (*Bubalus bubalis*) in the Philippines using loop-mediated isothermal amplification method331
- M. Dybicz, K. Perkowski, A. Sędzikowska, W. Baltaza, L. Chomicz: Studies on prevalence of infection with *Trichomonas tenax* identified by molecular techniques – in respect to oral health of patients with various systemic disease requiring immunosuppressive therapy193
- M. Dybicz, P.K. Borkowski, M. Padzik, W. Baltaza, L. Chomicz: Molecular determination of suspected alveolar echinococcosis requiring surgical treatment in human cases from Poland339
- M. Ebrahimi, K. Adinehbeigi, H. Hamidinejat, M. R. Tabandeh: Molecular characterization of *Theileria equi* infection in horse populations belonging to West Azerbaijan, Iran: insights into the importance of Equine Merozoite Antigen (EMA)-1 in its diagnosis21
- R. Faridnia, H. Kalani, M. Fakhar, J. Akhtari: Investigating *in vitro* anti-leishmanial effects of silibinin and silymarin on *Leishmania major*29
- P. Glinka, K. Nowacka, K. Kulesza, E. Ejdys, M. Dynowska: Share of the *Saccharomyces* genus in the mycobiota of the gastrointestinal tract of oncology patients – potential effects of a fruit-based diet199
- G.R.S. Gorji, M. Rassouli, H. Staji: Prevalence of cerebral toxoplasmosis among slaughtered sheep in Semnan, Iran .37
- S.S. Hasheminasab, P. Moradi, I. Wright: A four year epidemiological and chemotherapy survey of babesiosis and theileriosis, and tick vectors in sheep, cattle and goats in Dehgolan, Iran43
- M.A. Haque, M.M. Kibria, G.S.M. Asmat: *Trichodina amblypharyngodoni* sp. n. and *Trichodina hoffmani* Wellborn, 1967 (Ciliophora: Trichodinidae) from the freshwater fishes in the Baikka Beel of Moulvibazar district in Sylhet

division, Bangladesh	101
M.A. Haque, M.M. Kibria, G.S.M. Asmat: The first record of two trichodinid ecomparasites <i>Trichodina pseudoheterodontata</i> Tang et al., 2017 and <i>Trichodina hafizuddini</i> Asmat, 2005 (Ciliophora: Peritricha) from the freshwater fishes in the Baikka Beel of Moulvibazar district in Sylhet division, Bangladesh	203
J.N. Izdebska, L. Rolbiecki, Ł. Mierzyński, K. Bidziński: Demodecid mites (Acariformes, Demodecidae) in brown long-eared bat <i>Plecotus auritus</i> (Chiroptera, Vespertilionidae) – second record in the world and systematic status of <i>Demodex chiropteralis</i> Hirst, 1921	109
R. Jawad, I.M. Sulbi, Y.J. Jameel: Epidemiological study of the prevalence of hydatidosis in ruminants at the Holy City of Karbala, Iraq	211
N.Yu. Karalyan, M.R. Tatoyan, A.B. Semerjyan, N.H. Nersisyan, Z.B. Semerjyan, L.H. Hakobyan, Z.A. Karalyan: Association of hemophagocytic lymphohistiocytosis with kidney lesions in acute African swine fever virus infection	343
A. Konaté, P.Ch.M. Barro-Kiki, K.E. Angora, A.V. Bédia-Tanoh, V. Djohan, K.F. Kassi, H. Vanga-Bosson, A.J.S. Miézan, S.B. Assi, E.I.H. Menan, W. Yavo: Efficacy and tolerability of artesunate-amodiaquine versus artemether-lumefantrine in the treatment of uncomplicated <i>Plasmodium falciparum</i> malaria at two sentinel sites across Côte d'Ivoire	49
K. Kulesza, A. Biedunkiewicz, K. Nowacka, P. Glinka: Potentially pathogenic fungi of the <i>Candida</i> genus isolated from the Łyna River – a 20-year study	217
S. Madreseh-Ghahfarokhi, Y. Pirali, A. Dehghani-Samani, A. Dehghani-Samani: The insecticidal and repellent activity of ginger (<i>Zingiber officinale</i>) and eucalyptus (<i>Eucalyptus globulus</i>) essential oils against <i>Culex theileri</i> Theobald, 1903 (Diptera: Culicidae)	351
Ł. Mierzyński, J.N. Izdebska, M. Ciechanowski: New data on the distribution of <i>Carios vespertilionis</i> Latreille, 1802 (Ixodida, Argasidae) in bats (Chiroptera) from northern Poland	361
V. Monteon, I. May-Gil, L. Nuñez-Oreza, R. Lopez: Feces from wild <i>Triatoma dimidiata</i> induces local inflammation and specific immune response in a murine model	367
K. Nowacka, K. Kulesza, P. Glinka, E. Sucharzewska, M. Dynowska: The phyllosphere as a little-known reservoir of the <i>Fusarium</i> genus, a fungi of importance to medical mycology	225
M. Padzik, W. Baltaza, J.P. Szaflik, E. Hedinger, M. Dybicz, L. Chomicz: Comparison of chlorhexidine disinfectant in vitro effect on environmental and ocular <i>Acanthamoeba</i> strains, the amoebic agents of human keratitis – an emerging sight-threatening corneal disease in Poland	229
M. Panayotova-Pencheva, V. Dakova: Studies on the gastrointestinal and lung parasite fauna of wild boars (<i>Sus scrofa scrofa</i> L.) from Bulgaria	379
B. Rom, S. Kornaś, M. Basiaga: Endoparasites of pet reptiles based on coprosopic methods	115
A. Saadi, M. Tavassoli, B. Dalir-Naghadeh, A. Samici: A survey of <i>Dictyocaulus arnfieldi</i> (Nematoda) infections in equids in Urmia region, Iran	235
G.G. Santos, M.S.B. Oliveira, L.R. Neves, M. Tavares-Dias: Parasites community of <i>Astronotus crassipinnis</i> (Cichlidae), a fish from the Brazilian Amazon	121
R. Sokół, M. Michalczuk, P. Michoła: Preliminary studies on the occurrence of honeybee pathogens in the national bumblebee population	385
M. Tavassoli, G. Jalilzadeh-Amin, V.R. Besharati Fard, R. Esfandiarpour: The <i>in vitro</i> effect of <i>Ferula asafoetida</i> and <i>Allium sativum</i> extracts on <i>Strongylus</i> spp.	59
Ş.A. Türkoğlu, K. Yaman, H. Orallar, C. Camsari, Ş. Karabörk, E. Ayaz: Acute toxoplasmosis and antioxidant levels in the liver, kidney and brain of rats	241
M. Youssefi, M. Khadem-Rezaiyan, G.A. Azari-Garmjan, L. Jarahi, A.A. Shamsian, E. Moghaddas: Prevalence of <i>Toxoplasma</i> and <i>Echinococcus</i> IgG antibodies in slaughterhouse workers, a serosurvey in Northeast Iran	391

SHORT NOTES

S. Akhila, V.S. Sukanya, A. Anto, S. Karunakaran: Prevalence of endoparasites in captive snakes of Kerala, India ..	129
A. Figueiredo, L. Oliveira, L. Madeira de Carvalho, C. Fonseca, R. Tinoco Torres: Helminth parasites of stone marten (<i>Martes foina</i>) in central Portugal	65
C.E. González, E.F. Schaefer, M.I. Duré: Presence of <i>Kaliocephalus subulatus</i> Molin, 1861 (Nematoda, Diaphanocephalidae) in Wagler's snake, <i>Xenodon merremi</i> from Argentina	399
K. Królaczyk, K.M. Kavetska, E. Dzierzba, A. Stapf-Skiba: <i>Tetrameres globosa</i> (Linstow, 1879) (Nematoda, Tetrameridae) – a nematode of the Eurasian coot <i>Fulica atra</i> (Linnaeus, 1758) recorded for the first time in Poland	137

- A. Piróg, N. Kuśmierk, M. Popiołek: The occurrence of avian acanthocephalan *Polymorphus minutus* (Goeze, 1782) in raccoons (*Procyon lotor* L.) introduced to Europe249
- A.B. Semerjyan, M.R. Tatoyan, N.Yu. Karalyan, N.H. Nersisyan, L.H. Hakobyan, H.H., Arzumanyan, Z.A. Karalyan: Cardiopathology in acute African Swine Fever253

CASE REPORTS

- A.B. Ayinmode, V.I. Agbajelola: Cryptosporidiosis in a fire skink (*Lepidothyris fernandi*) and molecular identification of infecting species69
- F.J.S. Rocha, C.L.D. Pereira, F.L. de Melo, C.R.P. Soares, S.T. Paz, S. Giorgio: Expression on hypoxia-inducible factor-1 α in human tegumentary leishmaniosis caused by *Leishmania braziliensis*73

CHRONICLE

- U. Wawrzyniak: Urszula Gabriela Czaplińska *primo voto* Dzieszuk (1950–2016), Chemical Engineer143