

## CONTENTS VOLUME 63

## REVIEW ARTICLES

- R. Cardoso, H. Alves, J. Richter, M.C. Botelho: Parasites in Forensic Science: a historic perspective . . . . .235
- M. Cholewiński, M. Derda, E. Hadaś: Hygiene pests as vectors for parasitic and bacterial diseases in humans . . . . .81
- H. Długońska: Are poikilothermic animals real hosts for *Toxoplasma gondii*? . . . . .3
- H. Długońska: Autophagy as a universal intracellular process. A comment on the 2016 Nobel Prize in Physiology or Medicine . . . . .153
- M. Dzikowiec, K. Góralska, J. Błaszowska: Neuroinvasions caused by parasites . . . . .243
- K. Krawczak, K. Donskow-Lysoniewska, M. Doligalska: Regulatory function of parasites in autoimmune disease – outcome from experimental model infection . . . . .7
- K. Leśnińska, A. Perec-Matysiak: Wildlife as an environmental reservoir of *Enterocytozoon bieneusi* (Microsporidia) – analyses of data based on molecular methods . . . . .265
- A. Okulewicz: The impact of global climate change on the spread of parasitic nematodes . . . . .15

## ORIGINAL PAPERS

- M. Adamska, B. Skotarczak: Molecular detecting of piroplasms in feeding and questing *Ixodes ricinus* ticks . . . . .21
- M.O. Aleksh, A.Q. Talafha, M.A. Alshehabat, Z.A. Bani Ismail: Relationships between certain metabolic diseases and selected serum biochemical parameters in seropositive dairy cows against *Neospora caninum* infection in different stages of lactation . . . . .99
- N.M. Ardalan, S.F. Al-Hashimi, M. El-Garhy, S.A.H. Hamdi, A. Al Ghamdi, K. Morsy: The light microscopy and ultrastructural characteristics of *Myxobolus naffari* (Myxosporaea, Myxobolidae) infecting the Nile carp *Labeo niloticus* (Cyprinidae) and its histological impact . . . . .159
- A.B. Ayinmode, N.F. Ogbonna, G. Widmer: Detection and molecular identification of *Cryptosporidium* species in laboratory rats (*Rattus norvegicus*) in Ibadan, Nigeria . . . . .105
- A. Balicka-Ramisz, Ł. Laurans, P. Jurczyk, E. Kwita, A. Ramisz: Gastrointestinal nematodes and the deworming of mouflon (*Ovis aries musimon*) from Goleniowska Forest in West Pomerania province, Poland . . . . .27
- W. Baltaza, M. Padzik, J.P. Szaflik, M. Dybicz, E. Hendiger, L. Chomicz: Amoebicidal or amoebostatic influence of disinfectants used in health facilities and laboratories on corneal strains of *Acanthamoeba* . . . . .167
- S. Bamba, J. Zoungrana, Z. Nikièma, A.K. Sondo, J.L. Ndiaye, S. Bretagne: Impact of alternative treatment approach for cerebral toxoplasmosis among HIV/AIDS patients from a resource-poor setting in Burkina Faso . . . . .173
- V. Čabanová, N. Guimaraes, Z. Hurníková, G. Chovancová, P. Urban, M. Miterpáková: Endoparasites of the grey wolf (*Canis lupus*) in protected areas of Slovakia . . . . .283
- C.R.F. Chagas, I.H.L. Gonzalez, S.M. Favoretto, P.L. Ramos: Parasitological surveillance in a rat (*Rattus norvegicus*) colony in São Paulo Zoo animal house . . . . .291
- M. Cissé, G.A. Awandare, F.A. Somé, M.P. Hayette, R.T. Guiguemdé: High concordance of *Pfdhfr* and *Pfdhps* genotypes between matched peripheral and placental isolates of delivered women in Bobo-Dioulasso, Burkina Faso . . . . .111
- D. Cruz-Robles, G. Vargas-Alarcón, R. Ortiz-Muñiz, P.A. Reyes, V.M. Monteon: Serum cytokines and activation ex vivo of CD4+ and CD8+ T cells in chagasic chronic Mexican patients . . . . .299
- A.W. Demiaszkiewicz, K.J. Filip, A.M. Pyziel: The first report of *Aelurostrongylus falciformis* (Schlegel, 1933) (Nematoda, Metastrongyloidea) in badger (*Meles meles*) in Poland . . . . .117
- K.J. Filip, A.W. Demiaszkiewicz: Endoparasites of Eurasian lynx (*Lynx lynx*) (Linnaeus, 1758) from an enclosure of Western Pomeranian Nature Society in Jablonowo . . . . .33
- P.Ch. Herrera, V.V. Vilorio, M.M. Balbin, C.N. Mingala: Prevalence of babesiosis (*Babesia bovis* and *Babesia bigemina*) in cattle and water buffalo in Nueva Ecija, Philippines using Nested Polymerase Chain Reaction . . . . .309
- J. Jakubas-Zawalska, M. Asman, K. Solarz: Sensitization to the storage mites *Lepidoglyphus destructor* and *Tyrophagus putrescentiae* (Acari, Sarcoptiformes, Astigmatina) in a suburban population in Southern Poland . . . . .183
- P. Krzyżek, G. Gościniak: Frequency and immunological consequences of *Helicobacter pylori* and intestinal parasites co-infection: A brief review . . . . .255
- M. Mickiewicz, M. Czopowicz, P. Górski, J. Kaba: The first reported case of resistance of gastrointestinal nematodes to benzimidazole anthelmintic in goats in Poland . . . . .317
- B.D. Modrzewska, A.J. Kurnatowska, K. Khalid: Drug susceptibility of fungi isolated from ICU patients . . . . .189

B.R. Mohammed, M.K. Simon, R.I.S. Agbede, A.H. Arzai: Coccidiosis of domestic pigeons ( <i>Columba livia domestica</i> Gmelin, 1789) in Kano State, Nigeria	199
B.E. Monjol, M.F. Useh: Detection of <i>Plasmodium falciparum</i> chloroquine resistance transporter ( <i>PfCRT</i> ) mutant gene amongst malaria infected pregnant women in Calabar, Nigeria	323
V. Monteon, I. May-Gil, K. Acosta-Viana, A. Ramos-Logonio, O. Hernandez, R. Lopez: Comparative 2-D electrophoresis of salivary proteins in <i>Triatoma dimidiata</i> and <i>Rhodnius prolixus</i> (Hemiptera: Reduviidae) and major cross-reactive antigens	121
J. Moroz, P. Kurnatowski: The in vitro activity of selected mouthrinses on standard strains of fungi	331
N. Osten-Sacken, A. Słodkiewicz-Kowalska, J. Pacoń, Ł. Skrzypczak, A. Werner: Intestinal and external parasites of raccoon dogs ( <i>Nyctereutes procyonoides</i> ) in western Poland	37
M. Padzik, J.P. Szaflik, W. Baltaza, K. Perkowski, M. Dybicz, L. Chomicz: <i>In vivo</i> confocal microscopy and <i>in vitro</i> culture techniques as tools for evaluation of severe <i>Acanthamoeba keratitis</i> incidents	341
B. Paoletti, R. Iorio, D. Traversa, C.E. Di Francesco, L. Gentile, S. Angelucci, C. Amicucci, R. Bartolinii, M. Marangi, A. Di Cesare: Helminth infections in faecal samples of Apennine wolf ( <i>Canis lupus italicus</i> ) and Marsican brown bear ( <i>Ursus arctos marsicanus</i> ) in two protected national parks of central Italy	205
G. Razmi, Z. Naseri: Molecular detection of <i>Neospora caninum</i> infection in ovine aborted foetuses, in the Mashhad area, Iran	45
K. Sachanowicz, M. Ciechanowski, K. Piksa: <i>Spinturnix dasyncemi</i> (Acari: Spinturnicidae) – a poorly known Palaearctic bat mite: first records in Poland and morphometric separation from two other species of the <i>myoti</i> group	49
S. Sayono, U. Nurullita, D. Sumanto, W. Handoyo: Altitudinal distribution of <i>Aedes</i> indices during dry season in the dengue endemic area of Central Java, Indonesia	213
P. Sondo, K. Derra, S.D. Nakanabo, Z. Tarnagda, A. Kazienga, I. Valea, H. Sorgho, J.B. Ouédraogo, T.R. Guiguemdé, H. Tinto: Comparison of effectiveness of two different artemisinin-based combination therapies in an area with high seasonal transmission of malaria in Burkina Faso	127
J. Szymczak, J. Kozłowska, M. Doligalska: Evaluation of inhibitory effect of redox-active antimalarial drug against <i>Babesia microti</i> in mice	223
P. Troska, E. Sucharzewska, M. Dynowska, E. Ejdys: Fungi of the genus <i>Rhodotorula</i> isolated from the oral cavity of oncologic patients with colorectal cancer	57
S. Umar, S.H. Shinkafi, S.A. Hudu, V. Neela, K. Suresh, S.A. Nordin, O. Malina: Prevalence and molecular characterisation of <i>Schistosoma haematobium</i> among primary school children in Kebbi State, Nigeria	133
M. Yakhchali, M. Bahrami, S. Asri-Rezaei, S. Bokaei: The enzymes and electrolytes profiles in sera of Iranian stray dogs naturally infected with <i>Neospora caninum</i>	63

#### SHORT NOTES

Z.A. Karalyan, M.A. Sargsyan, H.H. Arzumanyan, A.A. Kotsinyan, L.H. Hakobyan, E.M. Karalova, H.E. Voskanyan: Pathomorphology of the brain in the acute form of African swine fever	347
Ł. Mierzyński, J.N. Izdebska, L. Rolbiecki, Z. Zawada: Occurrence of ticks (Parasitiformes, Ixodida, Amblyomminidae) on the skin of African buffalo <i>Syncerus caffer</i> (Sparrman, 1779) (Mammalia, Artiodactyla) originating from an area of the Republic of South Africa	353

#### CASE REPORTS

G. Dsilva, V. Kulkarni, S. Aher: An uncommon manifestation of a common disease	357
W.K. Saadawi, T. Shaibi, B.B. Annajar: A human case of urogenital myiasis caused by <i>Psychoda</i> sp. larvae in Tripoli, Libya	69

#### LETTERS

M. Agholi, A. Taghinezhad: Comments on article “Molecular characterization and phylogenetic analysis of Microsporidia and <i>Cryptosporidium</i> spp. in patients with multiple bowel biopsies from Fars Province, Iran”	73
I. Mohammadpour, F. Bozorg-Ghalati, M.H. Motazedian: Response to comments on article “Molecular characterization and phylogenetic analysis of Microsporidia and <i>Cryptosporidium</i> spp. in patients with multiple bowel biopsies from Fars Province, Iran”	141

#### CHRONICLE

D. Kiewra, K. Rydzanicz, A. Czułowska: Professor Elżbieta Lonc, D. Sc. (1951–2017) – <i>pro memoria</i>	143
Z.S. Pawłowski: Lord Ernest Jackson Lawson Soulsby (1926–2017) – <i>pro memoria</i>	361