

2020 Publications

Abd Majid MA, Khoo J-J, Lim F-S, Khor C-S, Loong S-K, Low V-L, Lee H-Y, AbuBakar S. Bacterial profiling of head lice isolated from the Orang Asli: A first report from Malaysia. *Tropical Biomedicine* 2020; 37(4): 884-895. *pdf available.

Aćimović M, Jeremić K, Salaj N, Gavarić N, Kiproviski B, Sikora V, Zeremski T. *Marrubium vulgare* L.: A phytochemical and pharmacological overview. *Molecules* 2020; 25: 2898. doi: 10.3390/molecules25122898.

Adham D, Moradi-Asl E, Abazari M, Saghafipour A, Alizadeh P. Forecasting head lice (*Pediculidae: Pediculus humanus capitis*) infestation incidence hotspots based on spatial correlation analysis in Northwest Iran. *Veterinary World* 2020; 13(1): 40-46. doi: 10.14202/vetworld.2020.40-46. *pdf available.

Adly E, Nasser M, Soliman DE, AlAshaal SA, Kenawy MA, Gustafsson DR, Alghamdi KM, Shehata M. Analysis of phoretic relation between chewing lice and hippoboscids of *Columba livia*. *Veterinary Parasitology: Regional Studies and Reports* 2020; 22: 100496. doi: 10.1016/j.vprsr.2020.100496. *

Agany DDM, Potts R, Hernandez JLG, Gnimpieba EZ, Pietri JE. Microbiome differences between human head and body lice ecotypes revealed by 16S rRNA gene amplicon sequencing. *Journal of Parasitology* 2020; 106(1): 14-24. doi: 10.1645/19-132.

Ahmad NII, Rahim NAA, Roslan A, Adrus M, Ahamad M, Hassan M, Lola MS, Afiq Ramlee MN, Zahidin MA, Abdullah MT. Data on ectoparasites infestation on small mammals from different habitats in east-coast Peninsular Malaysia. *Data in Brief* 2020; 30: 105621. doi: 10.1016/j.dib.2020.105621. *pdf available.

Ajith Y, Dimri U, Madhesh E, Gopalkrishnan A, Verma MR, Samad H|A, Reena KK, Chaudhary G, Devi G, Bosco J. Influence of weather patterns and air quality on ecological population dynamics of ectoparasites in goats. *International Journal of Biometeorology* 2020; 64: 1731–1742. doi: 10.1007/s00484-020-01952-7

Akhoundi M, Sereno D, Marteau A, Bruel C, Izri A. Who bites me? A tentative discriminative key to diagnose hematophagous ectoparasites biting using clinical manifestations. *Diagnostics (Basel)* 2020; 10(5): E308. doi:10.3390/diagnostics10050308. *pdf available.

Alberfkani MI, Mero WMS. The incidence of scabies and head lice and their associated risk factors among displaced people in Cham Mishko Camp, Zakho City, Duhok Province, Iraq. *Polish Journal of Microbiology* 2020; 69(4): 463-469. doi: 10.33073/pjm-2020-050. *pdf available.

Albukhari F, Almasri R, Aldawsari JG, Almutairi AB, Alenazi FM, Almutairi TM. Knowledge and attitude of parents and school's staff towards head lice infestation in Riyadh. *International Journal of Advanced Research* 2020; 8(2): 766-774. doi: 10.21474/IJAR01/10507. *pdf available.

Ali M, Ibrahim R, Alahmadi S, Elshazly H. Ectoparasites and intestinal helminths of pigeons in Medina, Saudi Arabia. *Journal of Parasitology* 2020; 106(6): 721-729. doi: 10.1645/20-64

Amanzougaghene N, Fenollar F, Raoult D, Mediannikov O. Where are we with human lice - A review of the current state of knowledge. *Frontiers in Cellular and Infection Microbiology* 2020; 9: 474. doi: 10.3389/fcimb.2019.00474. *pdf available.

Amanzougaghene N, Mediannikov O, Ly TDA, Gautret P, Davoust B, Fenollar F, Izri A. Molecular investigation and genetic diversity of *Pediculus* and *Pthirus* lice in France. *Parasites and Vectors* 2020; 13(1): 177. doi: 10.1186/s13071-020-04036-y. *pdf available

Antonello M, Menna-Barreto RFS, Leles D, Pires JR, Brener B. Chewing lice of *Fregata magnificens* with first record of *Fregatiella aurifasciata* (Phthiraptera: Amblycera) in Brazil. *Journal of Parasitology* 2020; 106(6): 828-834. doi: 10.1645/19-184

Asz-Sigall D, Martinez-Velasco MA, Arenas R. Infections and Infestations. In: Tosti A., Asz-Sigall D, Pirmez R. (eds) *Hair and Scalp Treatments*. 2020: 197-216; Springer, Cham. doi: 10.1007/978-3-030-21555-2_14.

Baak-Baak C, Garcia-Rejon J, Tzuc-Dzul J, Nuñez-Corea D, Arana-Guardia R, Cetina-Trejo R, Machain-Williams C, Jimenez-Coello M, Acosta-Viana K, Torres-Chable O, Pietri JE, Cigarroa-Toledo N. Four species of under-reported parasitic arthropods in Mexico and their potential role as vectors of pathogens. *Journal of Parasitology* 2020; 106(6): 835-842. doi: 10.1645/20-58.

Babazadeh T, Kouzekanani K, Oliaei S, Gaffari-fam S, Abbasabad GD, Chollou KM, Heidari S. Assessing the link between head lice infestation and selected cognitive-behavioral factors in a sample of Iranian female adolescents. *Heliyon* 2020; 6(5): e03959. doi: 10.1016/j.heliyon.2020.e03959. *pdf available.

Barbieri R, Drancourt M, Raoult D. The role of louse-transmitted diseases in historical plague pandemics. *Lancet Infectious Diseases* 2020; 21(2): e17-e25. doi: 10.1016/S1473-3099(20)30487-4. [Epub Oct 6 ahead of print].

Barbieri R, Signoli M, Chev e D, Costedoat C, Tzortzis S, Aboudharam G, Raoult D, Drancourt M. *Yersinia pestis*: the natural history of plague. *Clinical Microbiology Reviews* 2020; 34(1): e00044-19. doi: 10.1128/CMR.00044-19

Bartosik K, Tytuła A, Zając Z, Buczek W, Jaształ-Kniażuk A, Błaszkiwicz PS, Borzęcki A. Scabies and pediculosis in penitentiary institutions in Poland – A study of ectoparasitosis in confinement conditions. *International Journal of Environmental Research and Public Health* 2020; 17: 6086. doi:10.3390/ijerph17176086. *pdf available.

Basha MA, El Moselhy HA, El Mowafy WSA. Pediculosis among school children in a primary school in Millij Village, Menoufia Governorate. *Menoufia Medical Journal* 2020; 33: 248-252. *pdf available.

Bhattacharyya H, Medhi GK, Pala S, Sarkar A, Lynrah W, Kharmujai OM. Nutritional status and personal hygiene practices of primary school children: A cross-sectional study from Meghalaya, India. *Journal of Family Medicine and Primary Care* 2020; 9: 5506-5510. *pdf available.

Bonnet SI, Bouhsira E, De Regge N, Fite J, Etoré F, Garigliany MM, Jori F, Lempereur L, Le Potier MF, Quillery E, Saegerman C, Vergne T, Vial L. Putative role of arthropod vectors in African Swine Fever Virus transmission in relation to their bio-ecological properties. *Viruses* 2020; 12(7): E778. doi: 10.3390/v12070778. *pdf available.

Boumbanda-Koyo CS, Mediannikov O, Amanzougaghene N, Oyegue-Liabagui SL, Imboumi-Limoukou RK, Raoult D, Lekana-Douki JB, Fenollar F. Molecular identification of head lice collected in Franceville (Gabon) and their associated bacteria. *Parasites and Vectors* 2020; 13(1): 410. doi: 10.1186/s13071-020-04293-x. *pdf available

Brownell N, Sunantaraporn S, Phadungsaksawasdi K, Seatamanoch N, Kongdachalert S, Phumee A, Siriyasatien P. Presence of the knockdown resistance (kdr) mutations in the head lice (*Pediculus humanus capitis*) collected from primary school children of Thailand. *PLoS Neglected Tropical Diseases* 2020; 14(12): e0008955. doi: 10.1371/journal.pntd.0008955

Brunton ER, Burgess MN, Whelan IP, Burgess IF. A cosmetically acceptable dye product to improve detection of head louse eggs and nits. *Cosmetics* 2020; 7: 19. doi:10.3390/cosmetics7010019. *pdf available.

Burgess IF, Burgess NA. “Anti-Lice Protector”: Clinical study shows lack of efficacy of coconut oil derivatives in the elimination of head louse infestation. *Turkiye Parazitoloji Dergisi* 2020; 44(4): 211-215. doi: 10.4274/tpd.galenos.2020.6361

Candy K, Akhoundi M, Andriantsoanirina V, Durand R, Bruel C, Izri A. Essential oils as a potential treatment option for pediculosis. *Planta Medica* 2020; 86(09): 619-630. doi: 10.1055/a-1161-9189. *

Candy K, Akhoundi M, Izri A. Pediculicidal activity assessment of four essential oil terpenoids using filter contact and immersion bioassays. *Tropical Parasitology* 2020; 10(2): 165-167. doi: 10.4103/tp.TP_41_19. *pdf available

Cardoso AEC, Cardoso AEO, Talhari C, Santos M. Update on parasitic dermatoses. *Anais Brasileiros de Dermatologia* 2020; 95(1): 1-14. doi: 10.1016/j.abd.2019.12.001. *pdf available.

Cardoso JHL, Coelho de Souza AN, Militão de Souza F, Preire SS, Pinçon C. Treatment of head louse infestation with a novel mixture made of semi-crystalline polymers and plant extracts: blind, randomized, controlled, superiority trial. *Cosmetics* 2020; 7: 25. doi:10.3390/cosmetics7020025. *pdf available.

Castelletti N, Barbarossa MV. Deterministic approaches for headlice infestations and treatments. *Infectious Disease Modelling* 2020; 5: 386-404. doi: 10.1016/j.idm.2020.05.002. *pdf available.

Ceylan O, Ceylan C, Öztürk Ö, Dik B. A case of *Linognathus setosus* (Von Olfers, 1816) (Phthiraptera: Anoplura) infestation in a dog. *Turkiye Parazitoloji Dergisi* 2020; 44(2): 118-121. doi: 10.4274/tpd.galenos.2020.6640. *pdf available.

Daben MR, Echor BO, Da'an SA. Abundance and diversity of ectoparasites of wild birds in Pandam Wildlife Park, Plateau State, Nigeria. *Nigerian Journal of Parasitology* 2020; 41(1): 6-13. doi: 10.4314/njpar.v41i1.2.

Dagne H, Biya AA, Tirfie A, Yallew WW, Andualem Z, Dagnaw B. Knowledge, attitude, and practice of *Pediculus capitis* prevention and control and their predictors among schoolchildren in Woreta Town, Northwest Ethiopia, 2018: A school-based cross-sectional study. *International Journal of Pediatrics* 2020; 2020: 3619494. doi: 10.1155/2020/3619494. *pdf available.

de Gentile L, Carsuzaa F. Escabiosis, pediculosis y picaduras de artrópodos. *EMC – Pediatría* 2020; 55(3):1-14. doi: 10.1016/S1245-1789(20)44100-9.

de Mendonça RFB, Colle AC, Freitas LC, Martins TF, Horta MC, Oliveira GMB, Pacheco RC, Mateus LAF, Rossi RV. Ectoparasites of small mammals in a fragmented area of the southern Amazonia: interaction networks and correlations with seasonality and host sex. *Experimental and Applied Acarology* 2020; 81: 117-134. doi: 10.1007/s10493-020-00491-5. [Epub Apr 16].

de Moya RS, Yoshizawa K, Walden KKO, Sweet AD, Dietrich CH, Johnson KP. Phylogenomics of parasitic and non-parasitic lice (Insecta: Psocodea): Combining sequence data and exploring compositional bias solutions in Next Generation Datasets. *Systematic Biology* 2020: syaa075. doi: 10.1093/sysbio/syaa075. [Epub Sep 26]

de Oliveira GMB, da Silva IWG, da Cruz Ferreira Evaristo AM, de Azevedo Serpa MC, Silva Campos AN, Dutra V, Nakazato L, de Aguiar DM, Bahia Labruna M, Horta MC. Tick-borne pathogens in dogs, wild small mammals and their ectoparasites in the semi-arid Caatinga biome, northeastern Brazil. *Ticks and Tick-borne Diseases* 2020;101409. doi: 10.1016/j.ttbdis.2020.101409. [Epub Feb 22].

Degu S, Berihun A, Muluye R, Gameda H, Debebe E, Amayo A, Abebe A, Wolkidan S, Tadele A. Medicinal plants that used as repellent, insecticide and larvicide in Ethiopia. *Pharmacy & Pharmacology International Journal* 2020; 8(5): 274–283. doi: 10.15406/ppij.2020.08.00306. *pdf available.

Díaz-Alejo, HM, Martínez-Alesón García P, Costas E. Why do we iron clothes? Tracking its origins based on a sanitary hypothesis. *OSF Preprints* 2020 September 1. doi:10.31219/osf.io/5w64y.

Dik B. Türkiye'deki Evcil ve Yabani Memelilerde Görülen Bit (Phthiraptera) Türleri. *Türkiye Parazitoloji Derneği, Publication No. 26; 2020. ISBN: 978-605-87556-8-0. *pdf available.*

Dik B, Erdem I, Zerek A, Karagöz M, Yaman M. The first case of *Bovicola (Werneckiella) ocellatus* (Piaget, 1880) (Phthiraptera: Ischnocera: Trichodectidae) on a donkey (*Equus asinus* Linnaeus, 1758) in Turkey. *Anakara Üniversitesi Veteriner Fakültesi Dergisi* 2020; 67: 205-208. doi: 10.33988/auvfd.623717. *pdf available.

Disasa DD. Lice infestations in sheep and goats in Kombolcha District, East Hararghe Zone, Oromia Regional State, Ethiopia. *Veterinary Medicine International* 2020; 2020: 8889755. doi: 10.1155/2020/8889755. *pdf available.

Djohan V, Angora KE, Miezan S, Bédia AK, Konaté A, Vanga-Bosson AH, Kassi FK, Kiki-Barro PCM, Yavo W, Menan EI. Pediculosis capitis in Abidjan, Côte d'Ivoire: Epidemiological profile and associated risk factors. *Parasite Epidemiology and Control* 2020; 11: e00159. doi: 10.1016/j.parepi.2020.e00159. *pdf available.

Doña J, Sweet AD, Johnson KP. Comparing rates of introgression in parasitic feather lice with differing dispersal capabilities. *Communications Biology* 2020; 3: 610. doi: 10.1038/s42003-020-01345-x. *pdf available.

Durden LA, Kessler SE, Boundenga L, Ngoubangoye B, Tsoumbou TA, Moussadji-Kinga CI, Halbwx M, Setchell JM, Nichols J, Greiman SE. A new species of sucking louse from the Mandrill from Gabon with a review of host associations and geographical distributions, and identification keys to members of the genus *Pedicinus* (Phthiraptera: Anoplura: Pedicinidae). *Journal of Parasitology* 2020; 106(2): 221-232. doi: 10.1645/19-170. *pdf available.

Durden LA, Matthee S, Bothma JC, Greiman SE, Matthee CA. Two new species of sucking lice (Phthiraptera: Anoplura: Hoplopleuridae and Polyplacidae) from Grant's Rock Mouse, *Micaelamys granti*, in South Africa. *Journal of Parasitology*. 2020; 106(4): 478-489. doi: 10.1645/19-187. *pdf available.

Dyonisio GHS, Batista HR, da Silva RE, Azevedo RCFE, Costa JOJ, Manhães IBO, Tonhosolo R, Gennari SM, Minervino AHH, Marcili A. Molecular diagnosis and prevalence of *Trypanosoma vivax* (Trypanosomatida: Trypanosomatidae) in buffaloes and ectoparasites in the Brazilian Amazon Region. *Journal of Medical Entomology* 2020; 58(1): 403-407. doi: 10.1093/jme/tjaa145. *pdf available.

Eads DA, Yashin AC, Noble LE, Vasquez MC, Huang MHJ, Livieri TM, Dobesh P, Childers E, Biggins DE. Managing plague on prairie dog colonies: Insecticides as ectoparasiticides. *Journal of Vector Ecology* 2020; 45(1): 82-88. doi: 10.1111/jvec.12375. *pdf available.

Ehlers J, Kruger A, Rakotondranary SJ, Ratovonana RY, Poppert S, Ganzhorn JU, Tappe D. Molecular detection of *Rickettsia* spp., *Borrelia* spp., *Bartonella* spp. and *Yersinia pestis* in ectoparasites of endemic and domestic animals in southwest Madagascar. *Acta Tropica* 2020:105339. [Epub Jan 11] doi: 10.1016/j.actatropica.2020.105339. *pdf available.

Eisawi NM, El Hussein ARM, Hassan DA, Musa AB, Hussien MO, Enan KA, Bakheit MA. A molecular prevalence survey on *Anaplasma* infection among domestic ruminants in Khartoum State, Sudan. *Tropical Animal Health and Production*. 2020; 52: 1845-1852. doi: 10.1007/s11250-019-02176-7. [Epub Jan 14].

Eldin C, Parola P. Rickettsioses. *La Revue du Praticien* 2020; 70(2): 201-205. PMID: 32877141 [French].

Enechukwu NA, Ezejiolor OI, Anaje CC, Ozoh GO, Ogunbiyi AO. Human head lice infestation in Nigeria: Observations and review of relevant literature. *Nigerian Journal of Dermatology* 2020; 10(1): 27-34. *pdf available.

Estevam LGTM, Fonseca Junior AA, Silvestre BT, Hemetrio NS, Almeida LR, Oliveira MM, Silva SM, Ribeiro MFB, Silveira JAG. Seven years of evaluation of ectoparasites and vector-borne pathogens among ring-tailed coatis in an urban park in southeastern Brazil. *Veterinary Parasitology: Regional Studies and Reports*. 2020; 21: 100442. doi: 10.1016/j.vprsr.2020.100442. Epub 2020 Jul 29.

Estrada-Souza IM, Sánchez-Montes S, Romero-Salas D, Cruz-Romero A, Aguilar-Domínguez M, Pérez-Brígido CD, Hermida-Lagunes J, Morales-Díaz J, Saelao P, Becker I, Pérez de León AA. Integrative taxonomic description of the chewing louse *Tricholipeurus lipeuroides* infesting *Odocoileus virginianus veraecrucis* white-tailed deer in Veracruz, Mexico. *Parasitology Research* 2020; 119: 3203-3209. doi: 10.1007/s00436-020-06855-5. [Online Aug 21 ahead of print.]

Fatima S, Jabeen S. Study of the prevalence (%) of *Pediculus humanus capitis* (head louse) infestation among school children in Karachi. *Egyptian Academic Journal of Biological Sciences (A. Entomology)* 2020; 13(3): 243-261. doi: 10.21608/EAJBSA.2020.116492. *pdf available.

Feng X, Cao S, Qiu F, Zhang B. Traditional application and modern pharmacological research of *Artemisia annua* L. *Pharmacology and Therapeutics* 2020; 216: 107650. doi: 10.1016/j.pharmthera.2020.107650. Online ahead of print.

Firooziyani S, Sadaghianifar A, Kaligh FG, Oshighi MA, Gholizadeh S. *Wolbachia* endosymbiont (*sic*) was not detected in field collected population of head and body lice from Iran using molecular markers. (Pre-print) *Research Square* 2020. doi: 10.21203/rs.3.rs-78236/v1

Fox K, Larkin K, Sanchez A. Global trends in genetic markers of *Pediculus humanus capitis* resistance mechanisms. *Current Tropical Medicine Reports* 2020; 7: 65-73. doi: 10.1007/s40475-020-00204-3. *pdf available.

Fu YT, Dong Y, Wang W, Yu-Nie, Liu GH, Shao R. Fragmented mitochondrial genomes evolved in opposite directions between closely related macaque louse *Pedicinus obtusus* and colobus louse *Pedicinus badii*. *Genomics* 2020; 112(6): 4924-4933. doi: 10.1016/j.ygeno.2020.09.005. [Online Sep 5 ahead of print]

Fu YT, Nie Y, Duan DY, Liu GH. Variation of mitochondrial minichromosome composition in *Hoplopleura* lice (Phthiraptera: Hoplopleuridae) from rats. *Parasites & Vectors* 2020; 13(1): 506. doi: 10.1186/s13071-020-04381-y. *pdf available.

Gajdošová M, Sychra O, Kreisinger J, Sedláček O, Nana ED, Albrecht T, Munclinger P. Patterns of host-parasite associations in tropical lice and their passerine hosts in Cameroon. *Ecology and Evolution* 2020, 10(13): 6512-6524. doi: 10.1002/ece3.6386. *pdf available.

Galassi FG, Picollo MI, Gonzalez-Audino P. Head louse feces: Chemical analysis and behavioral activity. *Journal of Medical Entomology* 2020; 57(2): 336-342. doi: 10.1093/jme/tjz184. [Epub Oct 26 2019]. *pdf available.

Gharbi M, Hamzaoui S, Hafsi A, Saidani Z, Jedidi M. Infestation rate of lice on donkeys in Northeast Tunisia. *Veterinary Parasitology: Regional Studies and Reports* 2020; 19: 100368. doi: 10.1016/j.vprsr.2019.100368. [Epub 2019 Dec 17].

Ghavami MB, Ghanbari M, Panahi S, Taghiloo B. Diversity of mitochondrial genes and predominance of Clade B in different head lice populations in the northwest of Iran. *Parasites & Vectors* 2020; 13: 485. doi: 10.1186/s13071-020-04364-z. *pdf available.

Gonçalves LR, Herrera HM, Nantes WAG, Santos FM, Porfírio GEO, Barreto WTG, de Macedo GC, Assis WO, Campos JBV, da Silva TMV, Mariano L, Barros-Battesti DM, Machado RZ, André MR. Genetic diversity and lack of molecular evidence for hemoplasma cross-species transmission between wild and synanthropic mammals from Central-Western Brazil. *Acta Tropica*. 2020; 203:105303. doi: 10.1016/j.actatropica.2019.105303. [Epub Dec 16 2019]

Gonçalves LR, Harrus S, Gutiérrez R, Herrera HM, de Souza Ramos IA, de Oliveira Porfírio GE, Nachum-Biala Y, de Sousa KCM, da Silva TMV, Campos JBV, Lemos W, Moraes Barros-Battesti D, Machado RZ, André MR. Molecular detection and genetic diversity of *Bartonella* species in large ruminants and associated ectoparasites from the Brazilian Cerrado. *Transboundary and Emerging Diseases* 2020. doi: 10.1111/tbed.13517. [Epub Feb 18 ahead of print]

Gonçalves LR, Harrus S, Herrera HM, Gutiérrez R, Pedrassani D, Nantes WAG, Santos FM, Porfírio GEO, Barreto WTG, de Macedo GC, Assis WO, Campos JBV, da Silva TMV, Biolchi J, de Sousa KCM, Nachum-Biala Y, Barros-Battesti DM, Machado RZ, André MR. Low occurrence of *Bartonella* in synanthropic mammals and associated ectoparasites in peri-urban areas from Central-Western and Southern Brazil. *Acta Tropica* 2020: 105513. doi: 10.1016/j.actatropica.2020.105513. [Epub May 1 ahead of print].

González-Acuña D, Llanos-Soto S, Oyarzún-Ruiz P, Kinsella JM, Barrientos C, Thomas R, Cicchino A, Moreno L. Parasites of the Neotropic cormorant *Nannopterum (Phalacrocorax) brasilianus* (Aves, Phalacrocoracidae) in Chile. *Revista Brasileira de Parasitologia Veterinaria* 2020; 29(3): e003920. doi:10.1590/S1984-29612020049. *pdf available.

González-Acuña D, Veloso-Frías J, Missene C, Oyarzún-Ruiz P, Fuentes-Castillo D, Kinsella JM, Mironov S, Barrientos C, Cicchino A, Moreno L. External and gastrointestinal parasites of the Franklin's Gull, *Leucophaeus pipixcan* (Charadriiformes: Laridae), in Talcahuano, central Chile. *Revista Brasileira de Parasitologia Veterinaria* 2020; 29(4): e016420. doi: 10.1590/S1984-29612020091. *pdf available.

González-Álvarez VH. Presence of two lice species (Insecta: Phthiraptera) in a goat (*Capra hircus*) from La Comarca Lagunera, Mexico: A case report. *International Journal for Research in Applied Sciences and Biotechnology* 2020; 7(5): 152-155. doi: 10.31033/ijrasb.7.5.22. *pdf available.

Goodman GB, Conner SA, Bush SE, Clayton DH. Is allopreening a stimulus-driven defense against ectoparasites? *Journal of Parasitology* 2020; 106(1): 167-171.

Goodman GB, Klingensmith MC, Bush SE, Clayton DH. The role of scratching in the control of ectoparasites on birds. *The Auk* 2020; 137: ukaa010. doi: 10.1093/auk/ukaa010. *pdf available.

Gustafsson DR, Bush SE. A new subgenus and eight new species of *Guimaraesiella* Eichler, 1949 (Phthiraptera: Ischnocera: Philopteridae: *Brueelia*-complex). *Zootaxa* 2020; 4885(2): 155-188. doi: 10.11656/zootaxa.4885.2.1. *pdf available

Gustafsson DR, Bush SE. Descriptions of seven new species of *Brueelia* Kéler 1936 (Phthiraptera: Ischnocera: Philopteridae) from North American sparrows (Aves: Passeriformes: Passerellidae), and review of host use by *Brueelia vulgate*. *Journal of Natural History* 2020; 54(33-34): 2071-2112. doi: 10.1080/00222933.2020.1836280. *pdf available.

Gustafsson DR, Zou F. Descriptions of three congeneric species of chewing lice of the *Oxylipeurus*-complex (Insecta: Phthiraptera: Philopteridae) from the turkey, *Meleagris gallopavo*, including a new genus and a new species. *Zootaxa* 2020; 4801(3):488-512. *pdf available.

Gustafsson DR, Zou F. *Gallancyra* gen. nov. (Phthiraptera: Ischnocera), with an overview of the geographical distribution of chewing lice parasitizing chicken. *European Journal of Taxonomy* 2020; 685: 1–36. doi: 10.5852/ejt.2020.685. *pdf available.

Gustafsson DR, Lei L, Chu X, Zou F. Review of Chinese species of the *Oxylipeurus*-complex (Phthiraptera: Philopteridae), with descriptions of two new genera and five new species. *Zootaxa* 2020; 4742(2): 201-255. doi: 10.11646/zootaxa.4742.2.1. *pdf available.

Gustafsson DR, Lei L, Zou F. *Calidolipeurus*, new genus for *Lipeurus megalops* Piaget, 1880 (Phthiraptera: Ischnocera: *Oxylipeurus*-complex), with a redescription of the type species and a preliminary key to the *Oxylipeurus*-complex. *European Journal of Taxonomy* 2020; 686: 1–15. doi: 10.5852/ejt.2020.686. *pdf available.

Guyot A, Nalato M, van Stein C, Hüniger F. Parasitosen im krankenhaushygienischen Alltag. *Krankenhaushygiene up2date* 2020; 15(03): 259-276. doi: 10.1055/a-0635-7379

Guzmán-Cornejo C, Herrera-Mares A, Ugalde-Medina A, López-Pérez AM, Del Castillo-Martínez L, Acosta-Gutiérrez R, Cabrera-Garrido M, Morales-Malacara JB. Arthropods associated with mammals. Their importance as part of the richness in a biosphere reserve in Mexico. *Journal of Medical Entomology* 2020; 57(3): 780-787. doi: 10.1093/jme/tjz237. [Epub Dec 27 2019] *pdf available.

Harbison CW, Boughton RM, Shine PJ. Evidence for idiothetic and allothetic control of thermo-orientation in feather-feeding lice. *Journal of Insect Physiology* 2020; 120: 103985. doi: 10.1016/j.jinsphys.2019.103985. [Epub 2019 Nov 21]. *pdf available.

Hatam-Nahavandi K, Ahmadpour E, Pashazadeh F, Dezhkam A, Zarean M, Rafiei-Sefiddashti R, Salimi-Khorashad A, Hosseini-Teshnizi S, Hazratian T, Otranto D. Pediculosis capitis among school-age students worldwide as an emerging public health concern: a systematic review and meta-analysis of past five decades. *Parasitology Research* 2020; 119: 3125-3143. doi: 10.1007/s00436-020-06847-5. [Online Aug 15]

Henkel E, Buch C, Bambekova P, Usatine RP. Itchy scalp with scale. *Journal of Family Practice* 2020; 69(10): 523-525. *pdf available.

Hernández-Velasco A, Sánchez-Montes S, Romero-Salas D, Cruz-Romero A, Jiménez-Hernández JA, Becker I, Aguilar-Domínguez M, de León AP. First record of natural infection with *Anaplasma marginale* in sucking lice infesting the water buffalo (*Bubalus bubalis*) in Mexico. *Parasitology Research*. 2020; 119: 3853-3856. doi: 10.1007/s00436-020-06772-7. [Epub Jun 25].

Huppertz H-I, Iseke, A., Heininger, U. *et al.* Evidenzbasierte Kontrolle der Pediculosis capitis und deren Sekundärprävention. *Monatsschrift Kinderheilkunde* 2020; 169: 159-166. doi:10.1007/s00112-020-00987-9. *pdf available

Hurst SK, Dotson JAW, Butterfield P, Corbett CF, Oneal G. Stigma resulting from head lice infestation: A concept analysis and implications for public health. *Nursing Forum* 2020; 55(2): 252-258. doi: 10.1111/nuf.12423. [Epub Jan 9].

Jarrett P, Scragg R. Evolution, prehistory and Vitamin D. *International Journal of Environmental Research and Public Health* 2020; 17: 646. doi:10.3390/ijerph17020646. *pdf available.

Jayasree P, Kaliyadan F, Ashique KT. Pubic lice in facial hair. *Dermatology Practical and Conceptual* 2020; 10(2): e2020042. doi: 10.5826/dpc.1002a42. *pdf available.

Jimenez-Cauhe J, Fernandez-Nieto D, Ortega-Quijano D, Ramos-Rodriguez D. Characterization of *Phthirus* (sic) *pubis* with *ex vivo* dermoscopy. *Sexually Transmitted Diseases* 2020; 47(4): 280-281. doi: 10.1097/OLQ.0000000000001126. [Epub Jan 30] *pdf available.

Kafutshi RK, Baqnsomire C, Malekani D. Ectoparasites (Phthiraptera) de quelques oiseaux de la ville de Kinshasa. *Malimbus* 2020; 42. *pdf available.

Kamath S, Kenner-Bell B. Infestations, bites, and insect repellents. *Pediatric Annals* 2020; 49(3): e124-e131. doi: 10.3928/19382359-20200214-01

Karakuş M, Atıcı T, NurKarabela Ş, Baylan O, Limoncu ME, Balcıoğlu IC. Detection of permethrin resistance and phylogenetic clustering of Turkish head lice (*Pediculus humanus capitis*; De Geer 1767) populations. *Acta Tropica* 2020: 105362. [Epub Jan 29] doi: 10.1016/j.actatropica.2020.105362. *pdf available.

Kassiri H, Mehraghaei M, Lotfi M, Kasiri R. Head lice prevalence and associated factors in primary schools in Karun County, Khuzestan Province, Iran. *Medical Science* 2020; 24(104): 2280-2290. *pdf available.

Kiene F, Andriatsitohaina B, Ramsay MS, Rakotondramanana H, Rakotondravony R, Radespiel U, Strube C. Forest edges affect ectoparasite infestation patterns of small mammalian hosts in fragmented forests in Madagascar. *International Journal of Parasitology* 2020; 50(4): 299-313. doi: 10.1016/j.ijpara.2020.01.008. [Epub Mar 26].

- Kim U, Mishra C, Dheera MS. Phthiriasis palpebrarum in a psychiatric patient. *Indian Dermatology Online Journal* 2020; 11: 125. *pdf available.
- Knight K. Intrepid lice survive extreme pressure when hitchhiking rides on elephant seals. *Inside JEB Journal of Experimental Biology* 2020; 223: jeb234260. doi: 10.1242/jeb.234260. *pdf available.
- Komoda M, Yamaguchi S, Takahashi K, Yanase K, Umezawa M, Miyajima A, Yoshimasu T, Sato E, Ozeki R, Ishii N. Efficacy and safety of a combination regimen of phenothrin and ivermectin lotion in patients with head lice in Okinawa, Japan. *Journal of Dermatology* 2020; 47(7): 720-727. doi: 10.1111/1346-8138.15348. [Epub May 7 ahead of print]
- Kritz F. The Warsaw Ghetto can teach the world how to beat back an outbreak. NPR 2020 2 September: <https://www.npr.org/sections/goatsandsoda/2020/09/02/908732924/the-warsaw-ghetto-can-teach-the-world-how-to-beat-back-an-outbreak?t=1633615332587>.
- Lamb RJ, Galloway TD. Stability of chewing louse (Phthiraptera: Amblycera and Ischnocera) populations infesting great horned owls (Aves: Strigidae). *Canadian Entomologist* 2020; 152(1): 1-10. doi: 10.4039/tce.2019.69. [Epub Dec 16 2019]. *pdf available.
- Larkin K, Rodriguez CA, Jamani S, Fronza G, Roca-Acevedo G, Sanchez A, Toloza AC. First evidence of the mutations associated with pyrethroid resistance in head lice (Phthiraptera: Pediculidae) from Honduras. *Parasites and Vectors* 2020; 13: 312. doi: 10.1186/s13071-020-04183-2. *pdf available.
- Lavallée CD, Galloway TD, Rochon K. Infestation parameters of chewing lice (Phthiraptera: Amblycera and Ischnocera) on bald eagles, *Haliaeetus leucocephalus* (Accipitriformes: Accipitridae), in Manitoba, Canada. *The Canadian Entomologist* 2019; 152(1): 89-97. doi: 10.4039/tce.2019.67. [Epub Dec 16 2019].
- Lei L, Chu X, Dik B, Zou F, Wang H, Gustafsson DR. Four new species of Myrsidea (Phthiraptera: Amblycera: Menoponidae) from Chinese babblers (Passeriformes: Leiothrichidae, Paradoxornithidae, Timaliidae). *Zootaxa* 2020; 4878 (1): 103–128. doi: 10.11646/zootaxa.4878.1.4. *pdf available.
- Leonardi MS, Crespo JE, Soto FA, Vera RB, Rua JC, Lazzari CR. Under pressure: the extraordinary survival of seal lice in the depth of the sea. *Journal of Experimental Biology* 2020; 223: jeb.226811. doi: 10.1242/jeb.226811. *pdf available.
- Li X, Chen X, Zhang J, Zhou C. Graham-Little-Piccardi-Lassueur syndrome: Report of a Chinese case with hair casts. *International Journal of Trichology* 2020; 12: 97-98. *pdf available
- Light JE, Durden LA, O'Connor BM, Preisser WC, Acosta R, Eckerlin RP. Checklist of ectoparasites of cricetid and heteromyid rodents in México. *Therya* 2020; 11(1): 79-136. doi: 10.12933/therya-20-785. *pdf available.

López-Valencia D, Medina-Ortega ÁP, Hoyos-Samboní DF, Salguero C, Vásquez-Arteaga LR. Pediculosis capitis y transmisión potencial de enfermedades infecciosas reemergentes en Colombia. Revisión de la literature. [Pediculosis capitis and potential transmission of re-emerging infectious diseases in Colombia. Literature review] Revista de la Facultad de Medicina 2020; 68(2): 295-304. doi: 10.15446/revfacmed.v68n2.76604. *pdf available.

Lourenço EC, Lacerda AC, Godoy Bergallo H. Lice community structure infesting *Trinomys iheringi* (Thomas, 1911) - Occurrence, sex bias and climatic variables on tropical island. International Journal of Parasitology: Parasites and Wildlife 2020; 13: 299-306. doi: 10.1016/j.ijppaw.2020.11.004. *pdf available.

Lustosa BPR, Haidamak J, Oishi CY, de Souza AB, de Souza Lima BJB, Reifur L, Shimada MK, Vicente VA, Alexandre MAV, do Rocio Klisiowicz D. Vacuuming method as a successful strategy in the diagnosis of active infestation by *Pediculus humanus capitis*. Revista do Instituto de Medicina Tropical de São Paulo 2020; 62: e7. doi: 10.1590/S1678-9946202062007. *pdf available.

Ly TDA, Amanzougaghene N, Hoang VT, Dao TL, Louni M, Mediannikov O, Gautret P. Molecular evidence of bacteria in clothes lice collected from homeless people living in shelters in Marseille. Vector-Borne and Zoonotic Diseases 2020; 20(11): 872-874. doi: 10.1089/vbz.2019.2603

Madrid RS, Sychra O, Benedick S, Edwards DP, Efeykin BD, Fandrem M, Haugaasen T, Teterina A, Tomassi S, Tolsenkov O. Diversity of host associations of *Myridea* chewing lice (Phthiraptera: Menoponidae) in the tropical rainforest of Malaysian Borneo. International Journal for Parasitology: Parasites and Wildlife 2020; 13: 231-247. doi: 10.1016/j.ijppaw.2020.10.011. *pdf available.

Malysheva OD, Zabashta AV, Tolstenkov OO. К фауне пухоедов (Phthiraptera) птиц Нижнего Дона, Россия. Пухоеды неворобьиных. Часть 2 [To the fauna of chewing lice (Phthiraptera) of birds in the Lower Don region, Russia. Non-Passeriformes. Part 2]. Кавказский энтомологический бюллетень [Caucasian Entomological Bulletin] 2020; 16(1): 67–78. *pdf available.

Martínez-Sánchez ET, Cardona-Romero M, Ortiz-Giraldo M, Tobón-Escobar WD, Moreno-López D, Ossa-López PA, Pérez-Cárdenas JE, Labruna MB, Martins TF, Castaño-Villa GJ, Rivera-Páez FA. Rickettsia spp. in ticks (Acari: Ixodidae) from wild birds in Caldas, Colombia. Acta Trop. 2020; 213:105733. doi: 10.1016/j.actatropica.2020.105733. [Epub Nov 4 ahead of print].

Martinů J, Štefka J, Poosakkannu A, Hypša V. "Parasite turnover zone" at secondary contact: a new pattern in host-parasite population genetics. Molecular Ecology 2020; 29(23): 4653-4664. doi: 10.1111/mec.15653. [Epub Sep 28 ahead of print].

Mathew AM, Babu AS, Cleetus A, Aryas, Sheeja S. A study to assess the knowledge regarding management of pediculosis among mothers having 5-15 years of children in selected community area Pallihottam, Kollam. *International Journal of Advances in Nursing Management* 2020; 8(1): 75-84. doi: 10.5958/2454-2652.2020.00019.0. *pdf available.

Mehta H, De D. Hot topics in dermatology. *Indian Journal of Paediatric Dermatology* 2020; 21: 87-91. *pdf available.

Mena M, Valdebenito JO, Moreno L, Fuentes-Castillo D, Kinsella JM, Mironov S, Barrientos C, Cicchino A, González-Acuña D. Parasites of the Shiny Cowbird, *Molothrus bonariensis*, and the Austral Blackbird, *Curaeus curaeus*, (Passeriformes: Icteridae) in Chile. *Revista Brasileira de Parasitologia Veterinária* 2020; 29(2): e021819. doi: 10.1590/S1984-29612020022. *pdf available

Miller H, Trujillo-Trujillo J, Mutebi F, Feldmeier H. Efficacy and safety of dimeticones in the treatment of epidermal parasitic skin diseases with special emphasis on tungiasis: an evidence-based critical review. *Brazilian Journal of Infectious Diseases* 2020; 24(2): 170-177. doi: 10.1016/j.bjid.2020.01.004. *pdf available.

Mey E. Notes on the descriptions of some *Philopterus* species (Insecta, Phthiraptera, Ischnocera, Philopteridae s. l.) of Reed warblers (Acrocephalidae), Kinglets (Regulidae) and Tits (Paridae): a response. *Vernate* 2020; 39: 153-167. *pdf available.

May E. Ectoparasitological and ornithological findings from Western Sumatra with description of two new species of chewing lice (Insecta, Phthiraptera). *Semana* 2020; 35: 77-102. *pdf available

Mohammad ZA. Some chewing lice (Phthiraptera) species as ectoparasites infested aquatic birds with a new record of three species from Al-Sanaf marsh, southern Iraq. *Iraqi Journal of Veterinary Sciences* 2020; 34(1): 173-180. *pdf available.

Mokhtar AS, Lau YL, Wilson J-J, Abdul-Azoz NM. Genetic diversity of *Pediculus humanus capitis* (Phthiraptera: Pediculidae) in Peninsular Malaysia and molecular detection of its potential associated pathogens. *Journal of Medical Entomology* 2020; 57(3): 915-926. doi: 10.1093/jme/tjz234.

Mollericono JL, Beltrán L, Rodríguez I. First record of *Colpocephalum trichosum* Harrison, 1916 (Phthiraptera: Menoponidae) in the Andean Condor (*Vultur gryphus* Linnaeus, 1758), in La Paz, Bolivia. *Neotropical Helminthology* 2020; 14(1): 59-66. *pdf available.

Motevalli-Haghi SF, Mohammadi ME, Enayati AA, Rafinejad J, Yazdani-Charati J, Hosseini-Vasoukolaei N. Head lice contamination with emphasis on effective therapeutic methods in schoolchildren in Mashhad, Iran, during 2017-2018. *Journal of Health Research in Community* 2020; 5(4): 23-32. *pdf available.

Mumcuoglu KY, Sukenik N, Bar-Oz G. *Polyplax brachyrrhyncha* (Anoplura: Polyplacidae) and *Rhipicephalus turanicus* (Ixodidae: Rhipicephalinae) in an ancient louse comb. *Journal of Medical Entomology* 2020; 57(4): 1021-1024. doi: 10.1093/jme/tjaa007. *pdf available.

Najer T, Papousek I, Sychra O, Sweet AD, Johnson KP. Combining nuclear and mitochondrial loci provides phylogenetic information in the *Philoaterus* complex of lice (Psocodea: Ischnocera: Philoateridae). *Journal of Medical Entomology*. 2020; 58(1): 252-260. doi: 10.1093/jme/tjaa166. [Online Aug 23 ahead of print]. *pdf available.

Najer T, Papousek I, Adam C, Trnka A, Quach VT, Nguyed CN, Figura R, Literak I, Sychra O. New records of *Philoaterus* (Ischnocera: Philoateridae) from Acrocephalidae and Locustellidae, with description of one new species from Regulidae. *European Journal of Taxonomy* 2020; 632: 1–37. doi: 10.5852/ejt.2020.632. *pdf available.

Najera DG, Dittmer NT, Weber JJ, Kanost MR, Gorman MJ. Phylogenetic and sequence analyses of insect transferrins suggest that only *transferrin I* has a role in iron homeostasis. *Insect Science* 2020; 28(2): 495-508. doi: 10.1111/1744-7917.12783.

Nanda J, Juergens AL. Permethrin. StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020 Jan 17. *pdf available.

Nasser M, Adly E, Al-Ahmed A, Shobrak M. Host habitat and position on host affecting the evolution of chewing lice (Phthiraptera) Phylogenetic analysis of Ischnocera in Saudi Arabia. *Journal of Insect Biodiversity and Systematics* 2020; 6(1): 101-112. *pdf available.

Naz S, Najer T, Gustafsson DR. An annotated list of the species of lice (Insecta Phthiraptera) described by Mohammad A.-R. Ansari. *Zootaxa* 2020; 4809(3): 401-448. doi: 10.11646/zootaxa.4809.3.1. *pdf available.

Nezhadali A, Babazadeh T, Nadrian H, Allahverdipour H. Cognitive factors associated to pediculosis preventive behaviors among mothers of school-age children in Chaldoran County, Iran. *Journal of Multidisciplinary Healthcare* 2020; 13: 19-26. doi: 10.2147/JMDH.S237101. *pdf available.

Nguyen HM, Theppannga W, Vongphayloth K, Douangngeun B, Blacksell SD, Robinson MT. Screening of ectoparasites from domesticated dogs for bacterial pathogens in Vientiane, Lao PDR. *Zoonoses and Public Health* 2020; 67(8): 862-868. doi: 10.1111/zph.12753. *pdf available.

Nyers ES, Elston DM. What's eating you? human body lice (*Pediculus humanus corporis*). *Cutis* 2020; 105(3): 118-120. *pdf available.

Oslejskova L, Kouunkova S, Gustafsson DR, Resendes R, Rodrigues P, Literak I, Sychra O. insect ectoparasites from wild passerine birds in the Azores Islands. *Parasite* 2020; 27: 64. doi: 10.1051/parasite/2020063. *pdf available.

Ortega-Insaurralde I, Picollo MI, Barrozo RB. Sensory features of the human louse antenna: new contributions and comparisons between ecotypes. *Medical and Veterinary Entomology* 2020; 35: 219-224. doi: 10.1111/mve.12485. [Epub Oct 10 ahead of print].

Ortega-Insaurralde I, Picollo MI, Barrozo RB. Mouthpart sensory structures of the human head louse *Pediculus humanus capitis*. *Arthropod Structure and Development* 2020; 59: 100996. doi: 10.1016/j.asd.2020.100996. [Epub Oct 16 ahead of print].

Ouarti B, Laroche M, Righi S, Meguini MN, Benakhla A, Raoult D, Parola P. Development of MALDI-TOF mass spectrometry for the identification of lice isolated from farm animals. *Parasite* 2020; 27: 28. doi: 10.1051/parasite/2020026. *pdf available

Oumarou Hama H, Barbieri R, Guirou J, Chenal T, Mayer A, Ardagna Y, Signoli M, Aboudharam G, Raoult D, Drancourt M. An outbreak of relapsing fever unmasked by microbial paleoserology, 16th century, France. *American Journal of Physical Anthropology* 2020; 173(4): 784-789. doi: 10.1002/ajpa.24138.

Pérez de León AA, Mitchell RD 3rd, Watson DW. Ectoparasites of cattle. *Veterinary Clinics North America: Food Animal Practice* 2020; 36(1): 173-185. doi: 10.1016/j.cvfa.2019.12.004. Review. *pdf available

Pérez-Tanoira R, Ramos-Rincón JM, Martín-Martín I, Prieto-Pérez L, Tefasmariam A, Tiziano G, Anda P, González-Martín-Niño RM, Rodríguez-Vargas M, Górgolas M, Jado I. Molecular survey of *Rickettsia* spp., *Anaplasma* spp., *Ehrlichia* spp., *Bartonella* spp., and *Borrelia* spp. in fleas and lice in Ethiopia. *Vector-Borne and Zoonotic Diseases* 2020; 20(1): 10-14. doi: 10.1089/vbz.2019.2500. [Epub Aug 13 2019].

Pietri JE. Case not closed: Arguments for new studies of the interactions between bed bugs and human pathogens. *The American Journal of Tropical Medicine and Hygiene* 2020; 103(2): 619-624. doi: 10.4269/ajtmh.20-0121. *pdf available.

Pietri JE, Ray R. A simplified protocol for *in vitro* rearing of human body lice. *Parasite* 2020; 27: 8. doi: 10.1051/parasite/2020007. *pdf available.

Pietri JE, Yax JA, Agany DDM, Gnimpieba EZ, Sheele JM. Body lice and bed bug co-infestation in an emergency department patient, Ohio, USA. *ID Cases* 2020; 19: e00696. doi: 10.1016/j.ifcr.2020.e00696. *pdf available.

Piross IS, Solt S, Horváth É, Kotymán L, Palatitz P, Bertók P, Szabó K, Vili N, Vas Z, Rózsa L, Harnos A, Fehérvári P. Sex-dependent changes in the louse abundance of red-footed falcons (*Falco vespertinus*). *Parasitology Research* 2020; 119: 1327-1335. doi: 10.1007/s00436-020-06634-2. [Epub Mar 16]. *pdf available.

Piross IS, Siliwal M, Kumar RS, Palatitz P, Solt S, Borbáth P, Vili N, Magonyi N, Vas Z, Rózsa L, Harnos A, Fehérvári P. Sex interacts with age-dependent change in the abundance of lice-infesting (*sic*) Amur falcons (*Falco amurensis*). *Parasitology Research* 2020; 119: 2579-2585. doi: 10.1007/s00436-020-06753-w. *pdf available.

Portillo A, Maggi R, Oteo JA, Bradley J, García-Álvarez L, San-Martín M, Roura X, Breitschwerdt E. *Bartonella* spp. Prevalence (serology, culture, and PCR) in sanitary workers in La Rioja, Spain. *Pathogens* 2020; 9: 189. doi:10.3390/pathogens9030189. *pdf available.

Prastowo J, Priyowidodo D, Nurcahyo W, Chusnaifah DL, Wusahaningtyas LS, Firdausy LW, Sahara A. Lice infestation and diversity in turkeys (*Meleagris gallopavo*) in the Special Region of Yogyakarta and Central Java, Indonesia. *Veterinary World* 2020; 13(4): 782-788. doi: 10.14202/vetworld.2020.782-788. *pdf available.

Príncipe F, Minaya D, Cipriano S, Naupay A, Iannocone J. Contributions to the knowledge of lice diversity (Phthiraptera: Amblycera and Ischnocera) in birds from Peru. *Revista del Museo Argentino de Ciencias Naturales, Nueva Serie* 2020; 22(2): 219-229. doi: 10.22179/REVMACN.22.697. *pdf available.

Promer K, Cowell AN, Reed SL, Castellanos LR, Aronoff-Spencer E. *Bartonella quintana* endocarditis in a homeless man with cat exposure in San Diego, California. *Vector-Borne and Zoonotic Diseases* 2020; 20(6): 468-470. doi: 10.1089/vbz.2019.2556. *pdf available.

Reiczigel J, Marozzi M, Fábíán I, Rózsa L. Biostatistics for parasitologists – A primer to Quantitative Parasitology. *Trends in Parasitology* 2020; 35(4): 277-281. doi: 10.1016/j.pt.2019.01.003.

Reinhard KJ, Puca de Araújo E, Searcey NA, Buikstra J, Morrow JJ. Automontage microscopy and SEM: A combined approach for documenting ancient lice. *Micron* 2020; 139: 102931. doi: 10.1016/j.micron.2020.102931.

Saegerman C, Bonnet S, Bouhsira E, De Regge N, Fite J, Florence E, Garigliany MM, Jori F, Lempereur L, Le Potier MF, Quillery E, Vergne T, Vial L. An expert opinion assessment of blood-feeding arthropods based on their capacity to transmit African Swine Fever virus in Metropolitan France. *Transboundary and Emerging Diseases* 2020; 68(3): 1190-1204. doi: 10.1111/tbed.13769. *pdf available.

Sanchez J, Leonardi MS, Debárbora V, Di Benedetto IMD, Ezquiaga MC, Gozzi AC, López Berrizbeitia F, Moreno Salas L, Silva de la Fuente MC. Aportes en taxonomía, ecología e importancia sanitaria de los ectoparásitos de herpetozoos y mamíferos silvestres de la Argentina y Chile en la última década [Contributions in taxonomy, ecology and sanitary importance of ectoparasites of herpetozoans and wild mammals from Argentina and Chile in the last decade.] *Revista Argentina de Parasitología* 2020; 9(1): 7-25. *pdf available.

Saraswat N, Shankar P, Chopra A, Mitra B, Kumar S. Risk factors associated with head lice infestation in rural pediatric patients. *Indian Dermatology Online Journal* 2020; 11(1): 25-28. doi: 10.4103/idoj.IDOJ_48_19. eCollection 2020 Jan-Feb. *pdf available.

Sazmand A, Bahari A, Papi S, Otranto D. Parasitic diseases of equids in Iran (1931-2020): A literature review. *Parasites & Vectors* 2020; 13(1): 586. doi: 10.1186/s13071-020-04472-w. *pdf available.

Sexton C. How a public health campaign in the Warsaw Ghetto stemmed the spread of typhus. *Smithsonian Magazine* 2020, July 27. *pdf available.

Shimada M, Yoshizawa K. A revision of *Strigiphilus* (Insecta: Phthiraptera: Philopteridae) from Japan. *Zootaxa* 2020; 4779(4): 501-521. doi: 10.11646/zootaxa.4779.4.3. *pdf available.

Snyman A, Vanstreels RET, Nell C, Schaefer AM, Stracke T, Parsons NJ, Ludynia K, Pistorius PA. Determinants of external and blood parasite load in African penguins (*Spheniscus demersus*) admitted for rehabilitation. *Parasitology* 2020; 147(5): 577-583. doi:10.1017/S0031182020000141. *pdf available.

Sohrabivafa M, Goodarzi E, Momenabadi V, Seraji M, Naemi H, NejadSadeghi E, Khazaei Z. Epidemiological prevalence of pediculosis and its influencing factors in Iranian schools: Systematic review and meta-analysis. *Journal of Clinical & Diagnostic Research* 2020; 14(2): 1-6. doi: 10.7860/jcdr/2020/43085.13472. *pdf available.

Soto FA, Klaich MJ, Negrete J, Leonardi MS. So happy together: Juvenile Crabeater seal behavior improves lice transmission. *Parasitology Research* 2020; 119: 2059-2065. doi: 10.1007/s00436-020-06704-5. [Epub May 23]. *

Stix G. World War II's Warsaw Ghetto hold lifesaving lessons for Covid-19. *Scientific American* 2020; July 24.

Stone L, He D, Lehnstaedt S, Artzy-Randrup Y. Extraordinary curtailment of massive typhus epidemic in the Warsaw Ghetto. *Science Advances* 2020; 6(30): eabc0927. doi: 10.1126/sciadv.abc0927. *pdf available.

Strashun S, D'Sa S, Foley D, Hannon J, Murphy AM, O'Gorman CS. Physical illnesses associated with childhood homelessness: a literature review. *Irish Journal of Medical Science* 2020; 189(4): 1331-1336. doi: 10.1007/s11845-020-02233-3. [Epub May 8].

Sweet AD, Johnson KP, Cameron SL. Mitochondrial genomes of *Columbicola* feather lice are highly fragmented, indicating repeated evolution of minicircle-type genomes in parasitic lice. *PeerJ* 2020; 8: e8759. doi: 10.7717/peerj.8759. eCollection 2020. *pdf available.

Sweet AD, Wilson RE, Sonsthagen SA, Johnson KP. Lousy grouse: Comparing evolutionary patterns in Alaska galliform lice to understand host evolution and host-parasite interactions. *Ecology and Evolution* 2020; 10(15): 8379-8393. doi: 10.1002/ece3.6545. *pdf available.

Syamsul VS, Okene IA-A, Yahya SNC, Hamdan RH, Lee SH, Tan LP. Prevalence of ectoparasitism on small ruminants in Kelantan, Malaysia. *Tropical Life Sciences Research* 2020; 31(1): 45-46. doi: 10.21315/tlsr2020.31.1.3. *pdf available.

- Tabuenca Del Barrio L, Mozo Cuadrado M, Zubicoa Enériz A, Martínez de Espronceda Ezquerro I. Itching eyes after itching around the head. *German Medical Sciences Ophthalmology Cases* 2020; 10: Doc09. doi: 10.3205/oc000136. *pdf available
- Tala-Ighil T, Monsel G. Gale et pédiculose [Scabies and pediculosis]. *La Revue Praticien* 2020; 70(3): e75-e81.
- ten Bosch L, Habedank B, Siebert D, Mrotzek J, Viöl W. Erratum: Ten Bosch et al. Cold atmospheric pressure plasma comb—A physical approach for pediculosis treatment. *International Journal of Environmental Research and Public Health* 2020; 17: 450-451. doi:10.3390/ijerph17020450. *pdf available.
- Thijl Vanstreels RE, Palma RL, Mironov SV. Arthropod parasites of Antarctic and Subantarctic birds and pinnipeds: A review of host-parasite associations. *International Journal for Parasitology: Parasites and Wildlife* 2020; 12: 275-290. doi: 10.1016/j.ijppaw.2020.03.007. *pdf available
- Thutwa K, Chabo R, Nsoso SJ, Mareko M, Kgwatalala PM, Owusu-Sekyere E. Indigenous Tswana pig production characteristics and management practices in southern districts of Botswana. *Tropical Animal Health and Production* 2020; 52: 517–524. doi: 10.1007/s11250-019-02037-3. *pdf available.
- Torki S, Marniche F, Dik B, Guezoul O. First records of the chewing louse (Phthiraptera) associated with Meropidae species in Biskra (Northern Sahara, Algeria). *International Journal of Sciences and Research* 2020; 76: 4/1. doi: 10.21506/j.ponte.2020.4.1.
- Ukoroije RB, Otayor RA. Review on the bio-insecticidal properties of some plant secondary metabolites - Types, formulations, modes of action, advantages and limitations. *Asian Journal of Research in Zoology* 2020; 3(4): 27-60. doi: 10.9734/ajriz/2020/v3i430099. *pdf available.
- Urgessa T, Gameda J, Amale MB, Dejene D, Bedore B. Lice infestation in small ruminants in Nono District, West Showa Zone, Oromia Regional State. *European Journal of Applied Sciences* 2020; 12(4): 149-152. doi: 10.5829/idosi.ejas.2020.149.152. *pdf available.
- Vázquez-Espinosa E, Laganà C, Vazquez F. John Donne, Spanish Doctors and the epidemic typhus: fleas or lice? *Revista Española de Quimioterapia* 2020; 33(2): 87-93. doi: 10.37201/req/107.2019. [Epub Feb 7]. *pdf available
- Virrueta Herrera S, Sweet AD, Allen JM, Walden KKO, Weckstein JD, Johnson KP. Extensive *in situ* radiation of feather lice on tinamous. *Proceedings of the Royal Society B Biological Science* 2020; 287(1921): 20193005. doi: 10.1098/rspb.2019.3005. [Epub Feb 19].
- Vlček J, Štefka J. Association between louse abundance and MHC II supertypes in Galápagos mockingbirds. *Parasitology Research* 2020; 119: 1597-1605. doi: 10.1007/s00436-020-06617-3. *pdf available.
- Voelker R. Ivermectin lotion for head lice no longer needs a prescription. *JAMA*; 324(21): 2147. doi: 10.1001/jama.2020.23159.

Wang W, Durden LA, Shao R. Rapid host expansion of an introduced parasite, the spiny rat louse *Polyplax spinulosa* (Psocodea: Phthiraptera: Polyplacidae), among endemic rodents in Australia. *Parasites and Vectors* 2020; 13(1): 83. doi: 10.1186/s13071-020-3957-y. *pdf available.

Waugh D. ¿Tendrán las psitácidas amenazadas un futuro sin piojos? *EspeciesPRO* 2020; 234 (April): 32-34. <https://especiespro.es/articulos/tendran-las-psitacidas-amenazadas-un-futuro-sin-piojos/>

Yang W, Yu Y, Ritchie RO, Meyers MA. On the strength of hair across species. *Matter* 2019; 2: 1-14. doi: 10.1016/j.matt.2019.09.019. *pdf available.

Yarto Jaramillo E, Romero Núñez C, Álvarez Zavala MLÁ, Cruz López E, Rangel Díaz J, Miranda Contreras L, Galicia Franco E, Heredia Cárdenas R. Use of afoxolaner for the treatment of lice (*Goniodes pavonis*) in different genera (*Chrysolophus* spp, *Lophura* spp, *Phasianus* spp, and *Syrmaticus* spp) and species of pheasants and West Mexican Chachalacas (*Ortalis poliocephala*). *Veterinary Parasitology* 2020; 280: 109065. doi: 10.1016/j.vetpar.2020.109065. [Epub Feb 27].

Ziani R, Ziani B-EC, Dik B, Marniche F, Lazli A. Louse species (Phthiraptera: Amblycera, Ischnocera) collected on the Common Coot, *Fulica atra* (Linnaeus, 1758), and their microhabitat selection. *Bulletin de la Société Zoologique de France* 2020; 145(2): 135-153.

Zubair M, Ashraf T, Khadim S, Bilal M, Javaid F, Mustafa W, Razzaq T, Riaz M, Nafees M. Epidemiology of head lice with reference to diagnosis and treatment. *International European Extended Enablement in Science, Engineering & Management (IEEESEM)* 2020; 8(2): 51-65. *pdf available.

Missed from 2019

Gowtham S, Karthikeyan K. Wonder drug for worms: A review of three decades of ivermectin use in dermatology. *Indian Journal of Dermatology, Venereology and Leprology* 2019; 85: 674-678. doi: 10.4103/ijdv1.IJDVL_840_18. *pdf available.

Ismi AA, Perez RM, Sepe MC. Surfactants against ectoparasites associated with ZamPen native chicken. *International Journal of Biosciences* 2019; 15(1): 8-21. doi: 10.12692/ijb/15.1.8-21. *pdf available.

Kumar S, Khan G, Bansal N, Ahmad A. A note of Cattle egret louse, *Ciconiphilus decimfasciatus* (Amblycera: Phthiraptera: Insecta). *Journal of Experimental Zoology India* 2019; 22(1): 533-536. *pdf available.

Moraru GM, Goddard J II. *The Goddard guide to arthropods of medical importance*. 7th edn., 2019. CRC Press, Boca Raton, 393 pages. ISBN 9781315115283. doi: 10.1201/b22250.

Nazzaro G, Genovese G, Veraldi S. Human lice: Spectators and actors of the history of humanity through the ages. *Indian Journal of Dermatology and Venereal Disease* 2019; 85(6): 679-680. doi: 10.4103/ijdv1.IJDVL_797_18. *pdf available

Putriana NA, Hakim A, Husni P, Rusdiana T. *In vitro* effectiveness of neem oil (*Azadirachta indica* A. Juss) shampoo as an anti head lice (*Pediculus humanus capitis*). *Pharmacology and Clinical Pharmacy Research* 2019; 4(3): 76-80. doi: 10.15416/pcpr.v4i3.25780. *pdf available.

Spratt DM, Beveridge I. Wildlife parasitology in Australia: past, present and future. *Australian Journal of Zoology* 2018; 66: 286–305. doi: 10.1071/ZO19017. *pdf available.

Other Psocodea

Aldrete ANG, Obando RG, Gironza NC. On the genera *Ptiloneura* Enderlein, *Loneura* Navás, and *Loneuroides* García Aldrete (Psocodea: 'Psocoptera': Ptiloneuridae). *Zootaxa*. 2020; 4751(2): zootaxa.4751.2.5. doi: 10.11646/zootaxa.4751.2.5

Aldrete ANG, DA Silva-Neto AM. New Neotropical species of *Lachesilla* Westwood, in species group *Forcepeta* (Psocodea: 'Psocoptera': Lachesillidae). *Zootaxa* 2020; 4728(1): zootaxa.4728.1.2. doi: 10.11646/zootaxa.4728.1.2.

Babaei D, Vadas P. Anaphylaxis to oatmeal and psocid crisps. *Iranian Journal of Allergy Asthma and Immunology* 2020; 19(2): 200-202. doi: 10.18502/ijaa.v19i2.2773. *pdf available.

Casasola-González JA. Three new species of *Goja* Navás (Psocodea: 'Psocoptera': Epipsocidae) from Sierra Juárez, Oaxaca, Mexico. *Dugesiana* 2020; 27(2): 141-149. doi: 10.32870/dugesiana.v27i2.7121. *pdf available.

Cui J, Su Y, Feng S, Wei P, Liu X, Li Z. Morphological and molecular identification of *Liposcelis corrodens* (Heymons, 1909) (Psocodea: Liposcelididae) as the first record from China. *Journal of Stored Products Research* 2020; 87: 101588. doi: 10.1016/j.jspr.2020.101588.

da Silva Neto AM, de Castro MCM, Rafael JA. Two new species of *Triplocania* Roesler (Psocodea: 'Psocoptera': Ptiloneuridae), from Ecuador. *Dugesiana* 2020; 27(2): 159-165. doi: 10.32870/dugesiana.v27i2.7115. *pdf available.

de Moya RS, Yoshizawa K, Walden KKO, Sweet AD, Dietrich CH, Johnson KP. Phylogenomics of parasitic and non-parasitic lice (Insecta: Psocodea): Combining sequence data and exploring compositional bias solutions in Next Generation Datasets. *Systematic Biology* 2020; 70(4): 719-738. doi: 10.1093/sysbio/syaa075. [Epub Sep 26] *pdf available.

Galant-Swofford J, Zuraw BL, Herschbach J, Mahata M, Mockford EL, Christiansen SC. What is in your pantry? Entomologic anaphylaxis. *Allergy and Asthma Proceedings* 2020; 41(4): 290-295. doi: 10.2500/aap.2020.41.200030

Georgiev D. Study on the Psocoptera fauna of Sarnena Gora Mts. In: Georgiev, D., Bechev, D. & Yancheva, V. (Eds.) Fauna of Sarnena Sredna Gora Mts, Part 1 ZooNotes, Supplement 9, 2020: 86-93. *pdf available.

Georgiev D, Ostrovsky A, Lienhard C. A new species of *Liposcelis* (Insecta: Psocoptera: Liposcelididae) from Belarus. *Ecologica Montenegrina* 2020; 29: 41-46. doi: 10.37828/em.2020.29.6. *pdf available.

González-Obando R, Sandoval-Arango S, Carrejo-Gironza N. *Garcialdretiella*, a new genus of Lachesillidae (Psocodea: 'Psocoptera': Eolachesillinae: Graphocaeciliini) from Munchique National Natural Park, Colombia. *Dugesiana* 2020; 27(2): 119-124. doi: 10.32870/dugesiana.v27i2.7114. *pdf available.

Lienhard C. Stories behind names – The insect family Prionoglarididae (Psocodea: 'Psocoptera'). *Psocid News* 2020 (Preview). *pdf available.

Lienhard C. Rediscovery of two African species of *Lachesilla* Westwood in Yemen (Psocodea: 'Psocoptera': Lachesillidae), with first description of their males and description of a new species. *Dugesiana* 2020; 27(2): 167-171. doi: 10.32870/dugesiana.v27i2.7107. *pdf available.

Lima DM, Silva-Neto AMD, Aldrete ANG, Bravo F. *Brasineura* Silva-Neto amp; García Aldrete (Psocodea, 'Psocoptera', Ptiloneuridae): new species, new records and variation in the wing venations. *Zootaxa*. 2020; 4819(2): zootaxa.4819.2.9. doi: 10.11646/zootaxa.4819.2.9.

Miao ZQ, Tu YQ, Guo PY, He W, Jing TX, Wang JJ, Wei DD. Antioxidant enzymes and heat shock protein genes from *Liposcelis bostrychophila* are involved in stress defense upon heat shock. *Insects* 2020; 11(12): 839. doi: 10.3390/insects11120839. *pdf available.

Mizuno M, Endo K, Katano H, Tsuji A, Kojima N, Watanabe K, Shimizu N, Morio T, Sekiya I. The environmental risk assessment of cell-processing facilities for cell therapy in a Japanese academic institution. *PLoS One* 2020; 15(8): e0236600. doi: 10.1371/journal.pone.0236600. *pdf available.

Nieto JAM, Obando RG, Gironza NC. New species of *Neurostigma* Enderlein, 1901 (Insecta: Psocodea: Epipsocidae) from Colombia. *Dugesiana* 2020; 27(2): 131-135. doi: 10.32870/dugesiana.v27i2.7113. *pdf available.

Ning J, Li F, Liu X. The first record of the bark louse genus *Symbiopsocus* (Psocodea: Psocidae) from Vietnam, with description of a new species. *Zootaxa*. 2020; 4759(3): zootaxa.4759.3.7. doi: 10.11646/zootaxa.4759.3.7.

Obando RG, Gironza NC. New species of *Loneura* Navas, 1927 (Insecta: Psocodea: 'Psocoptera': Ptiloneuridae) from Peru. *Dugesiana* 2020; 27(2): 137-140. doi: 10.32870/dugesiana.v27i2.7110. *pdf available.

Obando RG, Gironza NC, Panche J, Aldrete ANG. An appraisal of the genus *Ptiloneura* Enderlein (Insecta: Psocodea: Psocomorpha: Ptiloneuridae), new species from Colombia and Peru, and a key to the males. *Zootaxa*. 2020; 4801(3): zootaxa.4801.3.1. doi: 10.11646/zootaxa.4801.3.1.

Obando RG, Gironza NC, Panche J, Aldrete ANG. The genus *Loneura* Navás (Insecta: Psocodea: 'Psocoptera': Ptiloneuridae) in Colombia, description of new species and key for identification. *Zootaxa*. 2020; 4802(2): zootaxa.4802.2.1. doi: 10.11646/zootaxa.4802.2.1.

Ostrovsky A, Georgiev D. New Psocoptera (Hexapoda, Insecta) records from Belarus. *ZooNotes* 2020; 157: 1-3.

Poinar G, Vega FE. Entomopathogenic fungi (Hypocreales: Ophiocordycipitaceae) infecting bark lice (Psocoptera) in Dominican and Baltic amber. *Mycology* 2020; 11(1): 71-77. doi: 10.1080/21501203.2019.1706657. *pdf available.

Qi XJ, Pang X, Cao JQ, Du SS. Comparative analysis on bioactivity against three stored insects of *Ligusticum pteridophyllum* Franch. rhizomes essential oil and supercritical fluid (SFE-CO₂) extract. *Environmental Science and Pollution Research* 2020; 27(13): 15584-15591. doi: 10.1007/s11356-020-08043-5.

Ramesh G, Babu R, Subramanian KA. New species of *Soa* Enderlein, 1904 (Psocodea: 'Psocoptera': Lepidopsocidae) from the Western Ghats of India. *Zootaxa*. 2020; 4881(2): zootaxa.4881.2.11. doi: 10.11646/zootaxa.4881.2.11.

Saeed N, Wakil W, Farooq M, Shakeel M, Arain MS, Shakeel Q. Evaluating the combination of *Metarhizium anisopliae* and an enhanced form of diatomaceous earth (Grain-Guard) for the environmentally friendly control of stored grain pests. *Environmental Monitoring and Assessment* 2020; 192(4): 210. doi: 10.1007/s10661-020-8189-2.

Sikes D, Callegari K. Interior ecosystem in the subarctic: Wild, living, arthropod biodiversity in the University of Alaska Museum, Fairbanks, Alaska, United States of America. *The Canadian Entomologist* 2020; 152(6): 802-814. doi: 10.4039/tce.2020.56

Wei DD, He W, Miao ZQ, Tu YQ, Wang L, Dou W, Wang JJ. Characterization of esterase genes involving malathion detoxification and establishment of an RNA interference method in *Liposcelis bostrychophila*. *Frontiers Physiology* 2020; 11: 274. doi: 10.3389/fphys.2020.00274 *pdf available

Will K. Barklice, booklice, and parasitic lice (Order Psocodea). In: *Field guide to California insects*. Berkeley, University of California Press, 2020; 114-121. doi: 10.1525/9780520963573-018.

Yoshizawa K, Lienhard C. Cormopsocidae: A new family of the suborder Trogiomorpha (Insecta: Psocodea) from Burmese amber. *Entomological Science* 2020; 23(2): 208-215. doi: 10.1111/ens.12414. *

Yoshizawa K, Lienhard C. The *Trichadenotecnum corniculum* species group from Thailand (Psocodea: Psocidae). *Dugesiana* 2020; 27(2): 173-181. doi: 10.32870/dugesiana.v27i2.7111. *pdf available.

Young DW, Mockford EL. Courtship and mating behavior in four Pachytroctidae species (Psocodea: 'Psocoptera': Troctomorpha: Nanopsocetae: Pachytroctidae). *Dugesiana* 2020; 27(2): 109-114. doi: 10.32870/dugesiana.v27i2.7104. *pdf available.

Missed from 2019

Li ZH, Wang Y, Sun JS, Li JG, Zou KX, Liu H, Li GX, Hu ZZ, Nong LZ, Ning ZX, Wu Y, Du SS. Repellent activities of essential oils rich in sesquiterpenoids from *Saussurea amara* (L.) DC. and *Sigesbeckia pubescens* Makino against two stored-product insects. *Environmental Science and Pollution Research International* 2019; 26(35): 36048-36054. doi: 10.1007/s11356-019-06876-3