

Volker Assing

**Monograph of Palaearctic, Oriental, and New Guinean
Pinophilina (Coleoptera: Staphylinidae: Paederinae)**



Assing Volker, 2022:
Monograph of Palaearctic, Oriental, and New Guinean Pinophilina (Coleoptera: Staphylinidae: Paederinae)

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The Palaearctic, Oriental, and New Guinean fauna of the Pinophilina was previously represented by 78 valid species and one subspecies in seven genera, with 68 (87 %) of the species in the nominal genus *Pinophilus* Gravenhorst, 1802. This paederine subtribe had never been subject to a comprehensive revision. In order to assess the taxonomy, systematics, and diversity of the Pinophilina in the study region, the accessible type material of previously named species, as well as numerous additional specimens, both previously identified and unidentified, from the major public and private collections were examined. In addition, relevant genera and species, in particular *Pinophilus* (type genus of Pinophilina) and *Pinophilus latipes* Gravenhorst, 1802 (type species of *Pinophilus*), from other zoogeographic regions were included in the study. The revision revealed that *Pinophilus* is absent from the Palaearctic and Oriental regions and probably confined to the New World. The subtribe is represented in the Palaearctic and Oriental regions, including New Guinea, by as many as 309 named species in 16 genera, and none of the previously described species remains in *Pinophilus*. Numerous species groups are newly established particularly in speciose genera. Except for two recently described species and one species whose type material is inaccessible, all the species are (re-)described and illustrated.

Eleven genera and 241 species are described for the first time: *Mimopinophilus compar* sp. nov. (Iran; Oman; Pakistan; India); *M. hamatus* sp. nov. (Indonesia: Sulawesi); *M. triangularis* sp. nov. (South India; Sri Lanka); *M. uncinatus* sp. nov. (Indonesia: Sumbawa); *Neopinophilus abscissus* sp. nov. (Malaysia: Selangor); *N. crockermontis* sp. nov. (Malaysia: Sabah); *N. edentulus* sp. nov. (South India); *N. fulgens* sp. nov. (Malaysia: Sarawak); *N. glaber* sp. nov. (Malaysia: Sarawak); *N. kinabalucus* sp. nov. (Malaysia: Sabah); *N. minodoronus* sp. nov. (Philippines: Mindoro); *N. muluanus* sp. nov. (Malaysia: Sarawak); *N. palawanus* sp. nov. (Philippines: Palawan); *N. rubellus* sp. nov. (Indonesia: Sumatra); *N. sandakanus* sp. nov. (Malaysia: Sabah); *N. selatanus* sp. nov. (Indonesia: Sulawesi); *N. tensicollis* sp. nov. (Indonesia: Sulawesi); *N. umbilicatus* sp. nov. (Sri Lanka); *Phinopilus acutior* sp. nov. (China: Sichuan, Zhejiang); *P. adclinis* sp. nov. (China: Yunnan; Laos; Vietnam); *P. adesus* sp. nov. (Papua New Guinea); *P. alishanus* sp. nov. (Taiwan); *P. ambangus* sp. nov. (Indonesia: Sulawesi); *P. ambulans* sp. nov. (Philippines: Leyte); *P. ampliatus* sp. nov. (Papua New Guinea); *P. amplicornis* sp. nov. (North India); *P. angustior* sp. nov. (Indonesia: Kalimantan Selatan); *P. arcticornis* sp. nov. (Papua New Guinea); *P. arquatus* sp. nov. (Indonesia: Java); *P. artior* sp. nov. (China: Fujian, Zhejiang); *P. auriculatus* sp. nov. (North India); *P. aviformis* sp. nov. (Singapore); *P. baculatus* sp. nov. (Malaysia; Indonesia: Sumatra); *P. biacifer* sp. nov. (Sri Lanka); *P. bilamellatus* sp. nov. (China: Sichuan); *P. boops* sp. nov. (Malaysia: Sarawak); *P. brevior* sp. nov. (Malaysia: Sarawak); *P. cacharicus* sp. nov. (Northeast India); *P. cacuminatus* sp. nov. (Thailand; Laos; Cambodia); *P. callicollis* sp. nov. (Papua New Guinea, New Ireland, New Britain; Indonesia: Maluku Islands); *P. candens* sp. nov. (Malaysia; Indonesia); *P. caninus* sp. nov. (Thailand; Laos); *P. celebesicus* sp. nov. (Indonesia: Sulawesi); *P. cernens* sp. nov. (Malaysia: Sabah); *P. chiangicus* sp. nov. (Thailand); *P. clavifer* sp. nov. (Malaysia: Sabah); *P. clinatus* sp. nov. (New Guinea); *P. coauditus* sp. nov. (Thailand); *P. collevatus* sp. nov. (Western New Guinea; Papua New Guinea); *P. confossus* sp. nov. (Philippines: Palawan); *P. cordiformis* sp. nov. (South India); *P. crenatus* sp. nov. (Indonesia: Western New Guinea); *P. cubans* sp. nov. (Malaysia: Sabah); *P. cultellatus* sp. nov. (Brunei); *P. curtatus* sp. nov. (South India); *P. digitalis* sp. nov. (Cambodia); *P. edolatus* sp. nov. (Indonesia: Western New Guinea); *P. eminens* sp. nov. (Malaysia: Peninsular, Sabah, Sarawak); *P. esuriens* sp. nov. (Malaysia: Sarawak); *P. excavatus* sp. nov. (Cambodia); *P. fibulatus* sp. nov. (Thailand); *P. figens* sp. nov. (Indonesia: Java); *P. firmicornis* sp. nov. (Malaysia); *P. fodens* sp. nov. 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(Sri Lanka); *P. monstrans* sp. nov. (Nepal; Northeast India); *P. peniculatus* sp. nov. (Malaysia; Indonesia); *P. perfodens* sp. nov. (Thailand; Malaysia); *P. petiolatus* sp. nov. (Myanmar); *P. reflexus* sp. nov. (India; Myanmar; China; Thailand; Laos; Vietnam); *P. robusticornis* sp. nov. (Papua New Guinea); *P. rossii* sp. nov. (Thailand; Laos; Cambodia; Vietnam); *P. rostratus* sp. nov. (Southwest India); *P. rotundatus* sp. nov. (Indonesia: Western New Guinea); *P. rubidipennis* sp. nov. (Northwest India); *P. schawalleri* sp. nov. (Thailand; Laos); *P. schillhammeri* sp. nov. (Indonesia: Sumatra); *P. shavrini* sp. nov. (Philippines); *P. solomonicus* sp. nov. (Solomon Islands); *P. spectans* sp. nov. (Brunei); *P. spiralis* sp. nov. (Sri Lanka); *P. substrictus* sp. nov. (Solomon Islands; Papua New Guinea); *P. subvexus* sp. nov. (Laos); *P. sulawesicus* sp. nov. (Indonesia: Sulawesi); *P. tamilus* sp. nov. (South India); *P. taurus* sp. nov. (Malaysia: Sabah, Sarawak; Brunei); *P. tensissimus* sp. nov. (Nepal; India); *P. torifer* sp. nov. (Brunei); *P. triacer* sp. nov. (Papua New Guinea); *P. tricuspid* sp. nov. (Indonesia: Western New Guinea; Papua New Guinea); *P. trifidus* sp. nov. (Indonesia: Western New Guinea); *P. trigonalis* sp. nov. (India; Myanmar; Laos); *P. trispinosus* sp. nov. (Brunei); *P. unguicus* sp. nov. (Philippines: Palawan); *P. unguifer* sp. nov. (Indonesia: Sulawesi); *P. unicuspis* sp. nov. (New Guinea); *P. validicornis* sp. nov. (Malaysia: Sarawak); *P. vates* sp. nov. (Philippines: Leyte); *P. vellicans* sp. nov. (South India); *P. vespertilio* sp. nov. (Vietnam); *P. vesperugo* sp. nov. (Thailand; Cambodia); *P. yunnanicus* sp. nov. (China: Yunnan); *Pinachenium* gen. nov. (type species: *Pinophilus longicornis* Baudi di Selve, 1848); *Pinobelus* gen. nov. (type species: *Pinophilus punctatissimus* Sharp, 1889); *Pinocavus* gen. nov. (type species *Pinocavus excisus* sp. nov.; Saudi Arabia); *P. volans* sp. nov. (South India); *Pinocharis acifera* sp. nov. (Laos); *P. biacuta* sp. nov. (Myanmar); *P. bifida* sp. nov. (Thailand; Cambodia); *P. burmana* sp. nov. (Myanmar); *P. clivis* sp. nov. (Thailand; Laos; Cambodia; Vietnam); *P. flagrans* sp. nov. (South India; Sri Lanka); *P. forans* sp. nov. (India; Sri Lanka); *P. furcillata* sp. nov. (Laos); *P. migra* sp. nov. (Cambodia; Vietnam); *P. proiecta* sp. nov. (Thailand; Cambodia); *P. unguica* sp. nov. (Myanmar); *P. velifera* sp. nov. (Thailand; Laos; Cambodia; Vietnam); *Pinocolis* gen. nov. (type species: *Pinophilus leucopus* Kraatz, 1859); *P. appendiculatus* sp. nov. (Southwest India); *P. asperifrons* sp. nov. (Nepal; India: Assam); *P. atrifemoralis* sp. nov. (Philippines); *P. bifilifer* sp. nov. (South India); *P. bisinuatus* sp. nov. (China; Thailand; Laos; Vietnam); *P. commixtus* sp. nov. (Myanmar); *P. fuscitibialis* sp. nov. (Hong Kong; China); *P. gemellus* sp. nov. (Myanmar); *P. insectus* sp. nov. (Indonesia: Kalimantan Selatan); *P. mastigans* sp. nov. (Thailand; Malaysia); *P. piscator* sp. nov. (South India); *Pinocrenum* gen. nov. (type species: *Pinocrenum dentatum* sp. nov.; Nepal); *Pinonepalus aduncus* sp. nov. (Malaysia: Perak); *P. affimbriatus* sp. nov. (Malaysia: Sabah); *P. aquilus* sp. nov. (Indonesia: Kalimantan Tengah); *P. atricollis* sp. nov. (Philippines: Luzon, Leyte); *P. atricrus* sp. nov. (Vietnam; Indonesia: Sumbawa, Lombok); *P. auctus* sp. nov. (Indonesia: Sulawesi); *P. basoricus* sp. nov. (Malaysia: Kelantan); *P. bellipes* sp. nov. (Malaysia: Sarawak; Indonesia: Kalimantan Tengah); *P. bicarinatus* sp. nov. (Malaysia: Sarawak); *P. bicoloripes* sp. nov. (Philippines: Mindanao); *P. biconstrictus* sp. nov. (Indonesia: Sumatra); *P. biconvexus* sp. nov. (Indonesia: Sumatra); *P. brevilobatus* sp. nov. (Indonesia: Sulawesi); *P. claripes* sp. nov. (Indonesia: Sumatra); *P. coccinus* sp. nov. (Indonesia: Sulawesi); *P. contegens* sp. nov. (Thailand); *P. contractus* sp. nov. (Malaysia); *P. corculatus* sp. nov. (Indonesia: Sulawesi); *P. cordatus* sp. nov. (Indonesia: Sulawesi); *P. cybaeus* sp. nov. (Philippines);

Abstract

P. deambulans sp. nov. (Philippines: Mindanao); *P. demorsus* sp. nov. (Malaysia: Sabah); *P. derectus* sp. nov. (Malaysia: Sarawak); *P. disparilis* sp. nov. (Malaysia); *P. distortus* sp. nov. (Indonesia: Sumatra); *P. districtus* sp. nov. (Malaysia: Sabah); *P. divexus* sp. nov. (Indonesia: Sumatra); *P. elevatus* sp. nov. (Sri Lanka); *P. extensus* sp. nov. (Indonesia: Sumatra); *P. fissus* sp. nov. (India: Meghalaya); *P. fusus* sp. nov. (China: Guangxi); *P. gilvipes* sp. nov. (Malaysia: Sabah); *P. goanus* sp. nov. (South India); *P. hamulatus* sp. nov. (Indonesia: Sumatra); *P. hebetatus* sp. nov. (Indonesia: Sulawesi); *P. ingens* sp. nov. (Indonesia: Sulawesi); *P. iniquus* sp. nov. (Thailand); *P. latilobatus* sp. nov. (Thailand); *P. ligulatus* sp. nov. (Philippines); *P. limus* sp. nov. (Malaysia); *P. linguifer* sp. nov. (Malaysia: Sarawak); *P. luteipennis* sp. nov. (Indonesia: Sumatra); *P. luteipes* sp. nov. (Philippines: Leyte); *P. luzonicus* sp. nov. (Philippines: Luzon); *P. mancus* sp. nov. (Malaysia); *P. manasicus* sp. nov. (India: Assam); *P. migrus* sp. nov. (Malaysia: Sabah); *P. mulucus* sp. nov. (Malaysia: Sarawak); *P. muscicola* sp. nov. (Malaysia: Sarawak); *P. nigriceps* sp. nov. (Thailand); *P. ostentans* sp. nov. (Philippines: Mindanao); *P. palatus* sp. nov. (Myanmar); *P. parilis* sp. nov. (Indonesia: Sumatra); *P. pauli* sp. nov. (Indonesia: Bali); *P. pellucidus* sp. nov. (Malaysia: Sabah, Sarawak); *P. perlucens* sp. nov. (Malaysia: Sarawak); *P. polisticus* sp. nov. (Philippines: Luzon); *P. pravus* sp. nov. (Indonesia: Sumatra); *P. procerus* sp. nov. (Philippines: Mindanao); *P. pungens* sp. nov. (Malaysia); *P. retuns* sp. nov. (Indonesia: Sulawesi); *P. sabahicus* sp. nov. (Malaysia: Sabah); *P. sagittans* sp. nov. (Indonesia: Sumatra); *P. sagittarius* sp. nov. (Indonesia: Sumatra); *P. siporanus* sp. nov. (Indonesia: Metawai Islands); *P. subtilior* sp. nov. (Indonesia: Sulawesi); *P. taleatus* sp. nov. (Thailand); *P. tortus* sp. nov. (Malaysia: Selangor); *P. translucidus* sp. nov. (Malaysia: Sarawak); *P. triquerus* sp. nov. (Laos; Vietnam); *P. venetus* sp. nov. (Malaysia: Sabah); *Pinopellis* gen. nov. (type species: *Pinophilus borneensis* Fauvel, 1895); *Pinopellis apona* sp. nov. (Philippines: Mindanao); *P. aspera* sp. nov. (Borneo: Brunei); *P. biexcisa* sp. nov. (Myanmar); *P. breviata* sp. nov. (Philippines: Mindanao, Leyte); *P. burmana* sp. nov. (Myanmar); *P. clavulata* sp. nov. (China: Jiangxi, ?Guizhou); *P. laotica* sp. nov. (Laos); *P. longior* sp. nov. (Malaysia: Pahang); *P. mutabilis* sp. nov. (Indonesia: Sulawesi); *P. nepalensis* sp. nov. (Nepal); *P. russipes* sp. nov. (Philippines: Luzon); *P. spiculata* sp. nov. (Philippines: Mindanao); *P. tecta* sp. nov. (Indonesia: Sulawesi); *P. tensa* sp. nov. (Indonesia: Sulawesi); *P. tricarinata* sp. nov. (Laos); *P. truncata* sp. nov. (Laos); *P. turana* sp. nov. (India: Meghalaya); *P. volitans* sp. nov. (Philippines: Mindanao); *P. yunnanica* sp. nov. (China: Yunnan); *Pinoplanus* gen. nov. (type species: *Pinophilus aegyptius* Erichson, 1840); *Pinopressus* gen. nov. (type species: *Pinophilus complanatus* Erichson, 1840); *Pinoremus* gen. nov. (type species: *Pinoremus cuneatus* sp. nov.; Papua New Guinea); *Pinorima* gen. nov. (type species: *Pinorima spinosa* sp. nov.; Thailand; China; Laos; Cambodia; Vietnam); *Pinosenex* gen. nov. (type species: *Pinosenex falcatus* sp. nov.; South India).

In addition, one genus and four species from other zoogeographic regions are described: *Pinoplanus spathulatus* sp. nov. (Kenya; Namibia; Ethiopia); *P. auctior* sp. nov. (Tanzania); *P. constrictus* sp. nov. (South Africa; Zimbabwe); *Novipinophilus* gen. nov. (type species: *Novipinophilus caledonicus* sp. nov.; New Caledonia).

Five names are revalidated: *Pinocolis curtipennis* (Bernhauer, 1935) (previously a synonym of *Pinophilus femoratus* Schubert, 1911); *Pinocolis insignis* (Sharp, 1874) (previously a synonym of *Pinophilus javanus* Erichson, 1840); *Pinocolis pallipes* (Kraatz, 1859) (previously a synonym of *Pinophilus javanus*); *Pinoplanus densior* (Bernhauer, 1935); *Pinoplanus punctulatus* (Fauvel, 1905).

One genus-group and 17 species-group synonymies are proposed: *Pinophilinus* Eichelbaum, 1908 = *Pinogalus* Fagel, 1963, syn. nov.; *Mimopinophilus formosae* (Bernhauer, 1935) = *M. coomani* (Bernhauer, 1935), syn. nov.; *Mimopinophilus picticornis* (Kraatz, 1859) = *M. laocoon* (Fernando, 1959), syn. nov.; *Mimopinophilus rufipennis* (Sharp, 1874) = *M. chinensis* (Bernhauer, 1938), syn. nov.; *Phinopilus sondaicus* (Bernhauer, 1915) = *P. proximatus* (Cameron, 1936), syn. nov.; *Pinachenium longicorne* (Baudi di Selve, 1848) = *P. depressum* (Kraatz, 1859), syn. nov., = *P. planum* (Kraatz, 1859), syn. nov., = *P. verticale* (Fauvel, 1895), syn. nov., = *P. wittmeri* (Koch, 1934), syn. nov.; *Pinobelus punctatissimus* (Sharp, 1889) = *P. parapunctatissimus* (Li & Wang, 1993), syn. nov., = *P. lini* (Rougemont, 2017), syn. nov.; *Pinocolis curtipennis* (Bernhauer, 1935) = *P. assamensis* (Coiffait, 1982), syn. nov.; *Pinocolis pallipes* (Kraatz, 1859) = *P. ferrugineus* (Bernhauer, 1902), syn. nov.; *Pinonepalus cassagnai* Coiffait, 1982 = *P. nepalicus* (Coiffait, 1982), syn. nov.; *Pinonepalus rotundicollis* (Kraatz, 1859) = *P. orientalis* (Cameron, 1920), syn. nov., = *P. jacobsoni* (Cameron, 1930), syn. nov., = *P. perakanus* (Cameron, 1950), syn. nov.; *Pinopressus complanatus* (Erichson, 1840) = *P. ruficeps* (Kraatz, 1859), syn. nov.

In all, 104 new combinations are proposed, including 42 species distributed in the Afrotropical region: *Mimopinophilus formosae* (Bernhauer, 1935), comb. nov. (ex *Pinophilus*); *Mimopinophilus rufipennis* (Sharp, 1874), comb. nov. (ex *Pinophilus*); *Mimopinophilus sanguinipennis* (Bernhauer, 1935), comb. nov. (ex *Pinophilus*); *Neopinophilus brachypterus* (Kraatz, 1859), comb. nov. (ex *Pinophilus*); *Neopinophilus funestus* (Bernhauer, 1902), comb. nov. (ex *Pinophilus*); *Phinopilus bomfordi* (Eppelsheim, 1890), comb. nov. (ex *Pinophilus*); *Phinopilus brevicornis* (Cameron, 1952), comb. nov. (ex *Pinophilus*); *Phinopilus brevis* (Kraatz, 1859), comb. nov. (ex *Pinophilus*); *Phinopilus ceylonicus* (Cameron, 1931), comb. nov. (ex *Pinophilus*); *Phinopilus drescheri* (Cameron, 1936), comb. nov. (ex *Pinophilus*); *Phinopilus falsus* (Cameron, 1940), comb. nov. (ex *Pinophilus*); *Phinopilus hindostanus* (Cameron, 1945), comb. nov. (ex *Pinophilus*); *Phinopilus lewisi* (Sharp, 1874), comb. nov. (ex *Pinophilus*); *Phinopilus papuanus* (Cameron, 1937), comb. nov. (ex *Pinophilus*); *Phinopilus peninsularis* (Cameron, 1932), comb. nov. (ex *Pinophilus*); *Phinopilus piceus* (Fauvel, 1904), comb. nov. (ex *Pinophilus*); *Phinopilus pilicollis* (Motschulsky, 1858), comb. nov. (ex *Pinophilus*); *Phinopilus preangeranus* (Cameron, 1936), comb. nov. (ex *Pinophilus*); *Phinopilus sachtlebeni* (Bernhauer, 1935), comb. nov. (ex *Pinophilus*); *Phinopilus sautteri* (Bernhauer, 1935), comb. nov. (ex *Pinophilus*); *Phinopilus senescens* (Cameron, 1925), comb. nov. (ex *Pinophilus*); *Phinopilus sondaicus* (Bernhauer, 1915), comb. nov. (ex *Pinophilus*); *Phinopilus uniformis* (Cameron, 1928), comb. nov. (ex *Pinophilus*); *Pinachenium longicorne* (Baudi di Selve, 1949), comb. nov. (ex *Pinophilus*); *Pinobelus punctatissimus* (Sharp, 1889), comb. nov. (ex *Pinophilus*); *Pinocavus abnormalis* (Bernhauer, 1915), comb. nov. (ex *Pinophilinus*); *Pinocavus africanus* (Gestro, 1873), comb. nov. (ex *Pinophilinus*); *Pinocavus auberti* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus australis* (Gemminger & Harold, 1868), comb. nov. (ex *Pinophilinus*); *Pinocavus gestroi* (Gridelli, 1928), comb. nov. (ex *Pinophilinus*); *Pinocavus gibbifrons* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus grandicollis* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus itombwensis* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus kaboboensis* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus kahuziensis* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus lamottei* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus leleupi* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus luberoensis* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus luberoensis dubius* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus minutus* (Gridelli, 1928), comb. nov. (ex *Pinophilinus*); *Pinocavus mwengensis* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus raffrayi* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus rugegensis* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus rugosus* (Gridelli, 1928), comb. nov. (ex *Pinophilinus*); *Pinocavus schatzmayri* (Koch, 1934), comb. nov. (ex *Pinophilinus*); *Pinocavus sjostedti* (Eichelbaum, 1908), comb. nov. (ex *Pinophilinus*);

Pinocavus socotranus (Assing, 2012), comb. nov. (ex *Pinophilinus*); *Pinocavus somalicus* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus spinosus* (Assing, 2013), comb. nov. (ex *Pinophilinus*); *Pinocavus strictipennis* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocavus tshuapaensis* (Fagel, 1963), comb. nov. (ex *Pinophilinus*); *Pinocharis genalis* (Fauvel, 1895), comb. nov. (ex *Pinophilus*); *Pinocharis rufoferruginea* (Cameron, 1936), comb. nov. (ex *Pinophilus*); *Pinocolis chapmani* (Bernhauer, 1935), comb. nov. (ex *Pinophilus*); *Pinocolis curtipennis* (Bernhauer, 1935), comb. nov. (ex *Pinophilus*); *Pinocolis femoratus* (Schubert, 1911), comb. nov. (ex *Pinophilus*); *Pinocolis insignis* (Sharp, 1874), comb. nov. (ex *Pinophilus*); *Pinocolis javanus* (Erichson, 1840), comb. nov. (ex *Pinophilus*); *Pinocolis leucopus* (Kraatz, 1859), comb. nov. (ex *Pinophilus*); *Pinocolis malabarensis* (Cameron, 1931), comb. nov. (ex *Pinophilus*); *Pinocolis mixtus* (Cameron, 1914), comb. nov. (ex *Pinophilus*); *Pinocolis pallipes* (Kraatz, 1859), comb. nov. (ex *Pinophilus*); *Pinocolis variipes* (Fauvel, 1895), comb. nov. (ex *Pinophilus*); *Pinocolis vicinus* (Cameron, 1931), comb. nov. (ex *Pinophilus*); *Pinonepalus amicus* (Bernhauer, 1915), comb. nov. (ex *Pinophilus*); *Pinonepalus beccarii* (Fauvel, 1895), comb. nov. (ex *Pinophilus*); *Pinonepalus bettotanus* (Cameron, 1930), comb. nov. (ex *Pinophilus*); *Pinonepalus brunneipennis* (Cameron, 1932), comb. nov. (ex *Pinophilus*); *Pinonepalus cameroni* (Scheerpeltz, 1933), comb. nov. (ex *Pinophilus*); *Pinonepalus eppelsheimi* (Bernhauer, 1904), comb. nov. (ex *Pinophilus*); *Pinonepalus melanocephalus* (Motschulsky, 1858), comb. nov. (ex *Pinophilus*); *Pinonepalus melanomerus* (Kraatz, 1859), comb. nov. (ex *Pinophilus*); *Pinonepalus parvus* (Bernhauer, 1914), comb. nov. (ex *Pinophilus*); *Pinonepalus philippinus* (Bernhauer, 1915), comb. nov. (ex *Pinophilus*); *Pinonepalus rotundicollis* (Kraatz, 1859), comb. nov. (ex *Pinophilus*); *Pinonepalus selangorensis* (Cameron, 1950), comb. nov. (ex *Pinophilus*); *Pinonepalus separandus* (Cameron, 1928), comb. nov. (ex *Pinophilus*); *Pinonepalus thoracicus* (Fauvel, 1895), comb. nov. (ex *Pinophilus*); *Pinopellis borneensis* (Fauvel, 1895), comb. nov. (ex *Pinophilus*); *Pinopellis coarcticollis* (Cameron, 1941), comb. nov. (ex *Pinophilus*); *Pinopellis nigripes* (Cameron, 1914), comb. nov. (ex *Pinophilus*); *Pinophilinus anosyanus* (Lecoq, 1986), comb. nov. (ex *Pinogalus*); *Pinophilinus betschi* (Jarrige, 1978), comb. nov. (ex *Pinogalus*); *Pinophilinus brunneorufus* (Bernhauer, 1937), comb. nov. (ex *Pinogalus*); *Pinophilinus cameroni* (Fagel, 1963), comb. nov. (ex *Pinogalus*); *Pinophilinus clementi* (Lecoq, 1986), comb. nov. (ex *Pinogalus*); *Pinophilinus cordicollis* (Jarrige, 1978), comb. nov. (ex *Pinogalus*); *Pinophilinus daressalamensis* (Bernhauer, 1937), comb. nov. (ex *Pinogalus*); *Pinophilinus delkeskampi* (Fagel, 1963), comb. nov. (ex *Pinogalus*); *Pinophilinus fauveti* (Schubert, 1902), comb. nov. (ex *Pinogalus*); *Pinophilinus levasseuri* (Lecoq, 1986), comb. nov. (ex *Pinogalus*); *Pinophilinus mantasoa* (Lecoq, 1986), comb. nov. (ex *Pinogalus*); *Pinophilinus matumbianus* (Bernhauer, 1937), comb. nov. (ex *Pinogalus*); *Pinophilinus micropterus* (Bernhauer, 1937), comb. nov. (ex *Pinogalus*); *Pinophilinus peyrierasi* (Lecoq, 1986), comb. nov. (ex *Pinogalus*); *Pinophilinus rufus* (Lecoq, 1986), comb. nov. (ex *Pinogalus*); *Pinophilinus schuberti* (Fauvel, 1905), comb. nov. (ex *Pinogalus*); *Pinophilinus zambezianus* (Fagel, 1963), comb. nov. (ex *Pinogalus*); *Pinoplanus aegyptius* (Erichson, 1840), comb. nov. (ex *Pinophilus*); *Pinoplanus grandis* (Reitter, 1906), comb. nov. (ex *Pinophilus*); *Pinoplanus densior* (Bernhauer, 1935), comb. nov.; *Pinoplanus punctulatus* (Fauvel, 1905), comb. nov.; *Pinopressus complanatus* (Erichson, 1840), comb. nov. (ex *Pinophilus*); *Pinopressus indicus* (Cameron, 1931), comb. nov. (ex *Pinophilus*).

Mimopinophilus sanguinipennis (Bernhauer, 1935), previously a subspecies of *M. formosae* (Bernhauer, 1935) is regarded as a distinct species.

A neotype is designated for *Pinophilus siculus* Kraatz, 1857. Lectotypes are designated for *Pinophilus fossor* Wollaston, 1868, *P. zarudnyi* Semenov, 1909, *P. formosae* Bernhauer, 1935, *P. coomani* Bernhauer, 1935, *P. picticornis* Kraatz, 1859, *P. rufipennis* Sharp, 1874, *P. chinensis* Bernhauer, 1938, *P. sanguinipennis* Bernhauer, 1935, *P. punctatissimus* Sharp, 1889, *P. pallipes* Kraatz, 1859, *P. chapmani* Bernhauer, 1935, *P. variipes* Fauvel, 1895, *P. vicinus* Cameron, 1931, *P. malabarensis* Cameron, 1931, *P. curtipennis* Bernhauer, 1935, *P. mixtus* Cameron, 1914, *Pinophilus ruficeps* Kraatz, 1859, *P. indicus* Cameron, 1931, *P. depressus* Kraatz, 1859, *P. wittmeri* Koch, 1934, *P. brevicollis* Erichson, 1840, *P. bomfordi* Eppelsheim, 1890, *P. sachtlebeni* Bernhauer, 1935, *P. falsus* Cameron, 1940, *P. sautteri* Bernhauer, 1935, *P. ceylonicus* Cameron, 1931, *P. papuanus* Cameron, 1937, *P. uniformis* Cameron, 1928, *P. eppelsheimi* Bernhauer, 1904, *P. melanomerus* Kraatz, 1859, *P. rotundicollis* Kraatz, 1859, *P. amicus* Bernhauer, 1915, *P. philippinus* Bernhauer, 1915, *P. speculifrons* Cameron, 1914, *P. borneensis* Fauvel, 1895, *P. nigripes* Cameron, 1914, *P. coarcticollis* Cameron, 1941, and *P. genalis* Fauvel, 1895,

Numerous examined species are represented only by females and consequently not named. This and the general rarity of records suggest that a substantial number of species remains to be discovered and described in the future.

A comprehensive catalogue and keys to the genera and species of Pinophilina of the Palaearctic and Oriental regions are provided.

Aside from a derived aedeagal morphology, the genera represented in the study region share two evident synapomorphies: fused abdominal tergites IX and X and strongly dilated, compact protarsomeres I–IV (usually broader than combined length). The sole exception is *Pinopressus*, a genus characterised by an aedeagus of primitive condition, unfused tergites IX and X, and moderately dilated (not compact) protarsomeres I–IV. These observations suggest that *Pinopressus* forms a basal lineage within Pinophilina. At the generic level, there is currently no overlap between the fauna of the study region and that of the New World. On the other hand, many genera distributed in the Palaearctic and Oriental regions are present also in sub-Saharan Africa and/or Australia. Species diversity is highest in the warmer climates of the Oriental region, particularly in continental Southeast Asia and the Sunda Islands. With few exceptions (records with specified localities unknown), the distributions of all the species in the study region are mapped.

Rather little is known regarding the natural history of Pinophilina. Most of the species were found at low to intermediate altitudes, few at high elevations (up to more than 3000 m). A substantial proportion of the species and specimens examined was collected primarily or exclusively at light, mostly close to lakes or rivers and streams. A number of species was exclusively extracted from litter and soil of forests, partly also from dead wood (bark, logs). The available ecological data and the general rarity of records suggest that the reproduction habitats are of a cryptic, partly probably subterranean nature.

Keywords. Coleoptera, Staphylinidae, Paederinae, Pinophilina, taxonomy, new genera, new species, revalidations, new synonymies, new combinations, neotype designation, lectotype designations, new records, Palaearctic region, Oriental region, New Guinea, keys to species, distribution maps

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