

Burmese (Myanmar) amber taxa, on-line supplement v.2021.1

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This taxonomic list is a supplement to Ross (2021) and follows the same format. It includes taxa described or recorded from the beginning of January 2021 up to the end of May 2021, plus 3 species that were named in 2020 which were missed. Please note that only higher taxa that include new taxa or changed/corrected records are listed below. The list is until the end of May, however some papers published in June are listed in the 'in press' section at the end, but taxa from these are not yet included in the checklist.

As per the previous on-line checklists, in the bibliography page numbers have been added (in blue) to those papers that were published on-line previously without page numbers.

New additions or changes to the previously published list and supplements are marked in **blue**, corrections are marked in **red**.

In Ross (2021) new species of spider from Wunderlich & Müller (2020) were listed as being authored by both authors because there was no indication next to the new name to indicate otherwise, however in the introduction it was indicated that the author of the new taxa was Wunderlich only. Where there have been subsequent taxonomic changes to any of these species the authorship has been corrected below.

The total numbers of taxa described or recorded from Kachin amber up to the end of May (excluding trace fossils and marine encrusters) are: 51 classes (or similar rank), 125 orders (or similar rank), 651 families, 1382 genera and 2038 species. This includes 8 classes, 66 orders, 583 families, 1264 genera and 1908 species of arthropods.

Additional families rejected from occurring in Burmese amber-

Insecta: Trichoptera:

†[Dysoneuridae](#)

Arachnida: Araneae

[Deinopidae](#)

†[Mongolarachnidae](#)

[Palpimanidae](#)

If you find this list useful to your research please cite it as follows-

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HEXAPODA (2c., 32o., 439f., 1051g., 1499sp.)

Insecta (28o., 431f., 1038g., 1485sp.)

Palaeoptera

Ephemeroptera (8f., 6g., 6sp.)

Vietnamellidae

Burmella paucivenosa Godunko, Martynov & Staniczek, 2021

Polyneoptera

Dermaptera (4f., 13g., 15sp.)

Pygidicranidae

Eminepygia myanmarensis Chen & Zhang, 2021

Dictyoptera (including Blattodea, Mantodea, Isoptera, †Aethiocarenodea, †Alienoptera) (22f., 48g., 62sp.)

†Alienopteridae

Alienopterix mlynskyi Sendi, 2021 (in Vršanský *et al.*, 2021)

Alienopterix smidovae Hinkelman, 2021 (in Vršanský *et al.*, 2021)

Eminespina burma Chen, Zhang & Shi, 2021

Nadveruzenie postava Vršanský, Hinkelman & Sendi, 2021

Family *incertae sedis*

Cercoula brachyptera Li & Huang, 2021

Paraneoptera

Hemiptera (74f., 135g., 165sp.)

Cicadellidae

Duyana electronica Chen, Jiang, Shang, Zhang, Zheng, Zhang & Zhang, 2021

†Liadopsyllidae

~~*Mirala burmanica* Burckhardt & Poinar, 2019~~

†Malmopsyllidae

Burmala liaoyaoi Liu, Wang, Zhuo & Chen, 2021

Mirala burmanica Burckhardt & Poinar, 2019

†Mesophthiridae

Mesophthirus engeli Gao, Shih, Rasnitsyn & Ren, 2019

†Paraprotopsyllidiidae

Paraprotopsyllidium spinosum Hakim, Azar, Szwed, Drohojowska & Huang, 2021

Angustipsyllidium minutum Hakim, Azar, Szwed, Drohojowska & Huang, 2021

Burmopsyllidium setosum Hakim, Azar, Szwed, Drohojowska & Huang, 2021

Maliawa akrawna Hakim, Azar, Szwed, Drohojowska & Huang, 2021

Miridae

Cretamystilus herczeki Kim & Jung, 2021

†Sinoalidae

Cretomultinervis burmensis Fu, Szwed & Huang, 2021

Tingidae

- Burmacader grandis* Heiss & Guilbert, 2021
Burmavianaida anomalocapitata Souma, Yamamoto & Takahaski, 2021
Microtingis leptosoma Heiss & Golub, 2021

†Yuripopoviniidae

- Pseudocalulisoculus longicornis* Kóbor & Roca-Cusachs, 2021

Family *incertae sedis*

- Spinonympha shcherbakovi* Luo, Wang & Jarzembowski, 2021

Psocoptera (11f., 15g., 25sp.)

†Archaeatropidae

- ~~*Archaeatropos perantiqua* (Cockerell, 1919)~~
Heliadesdakruon morganae Cumming & Le Tirant, 2021

†Cormopsocidae

- Cormopsocus neli* Hakim, Azar & Huang, 2021
Cormopsocus perantiqua (Cockerell, 1919)

Holometabola

Coleoptera (97f., 281g., 385sp.)

Buprestidae

- Burmagrilus cretacus* Jiang, Song & Wang, 2021

Cantharidae

- Cretocantharis veda* Hsiao, Li, Ren & Pang, 2021
Hukawngichthyurus maha Hsiao, Li, Ren & Pang, 2021
Palaeocantharis panna Hsiao, Li, Ren & Pang, 2021

†Cretophengodidae

- Cretophengodes azari* Li, Kundrata, Tihelka & Cai, 2021

Cyclarixidae

- Pacyclaxyra azari* Tihelka, Huang & Cai, 2021

Histeridae

- Carinumerus maddisoni* Caterino, 2021
Carinumerus yingae (Jiang, Shi, and Wang, 2020)
Phasmister cristatus Caterino, 2021

Ithyceridae

- Paleopegorhinus micrommatus* Poinar, Brown & Legalov, 2021

Kateretidae

- Pelretes vivificus* Tihelka, Li, Fu, Su, Huang & Cai, 2021

Lycidae

- Murcybolus longiantennus* Li & Cai, 2021

Nosodendridae

- Mesonosa scandens* Tihelka, Li, Huang & Cai, 2021

Oedemeridae

- Ditysparedrus gigas* Vitali & Legalov, 2020
Ditysparedrus obscurus Vitali & Legalov, 2020
Ditysparedrus uniformis Vitali & legalov, 2020

Ommatidae

Paraodontomma leptocristatum Li, Yamamoto & Cai, 2021

Staphylinidae

Burmagluta rougemonti Yin & Cai, 2021

Megabythinus spinitibialis Yin, Zhao & Cai, 2021

Throscidae

Captopus depressiceps Li & Cai, 2021

Electrothroscus yanpingae Li & Cai, 2021

Pseudopactopus robustus Li & Cai, 2021

Family *incertae sedis*

Kulindrobora enigmaticus Tihelka, Yamamoto, Huang & Cai, 2021

Kulindrobora magnus Tihelka, Yamamoto, Huang & Cai, 2021

Diptera (51f., 145g., 215sp.)

Apsilocephalidae

Cascomixticus tubuliferous Poinar & Vega, 2021

Bibionidae (=†Cascopleciidae)

Burmahesperinus antennatus Ševčík, Skartveit, Krzemiński & Skibińska, 2021

Burmahesperinus conicus Ševčík, Skartveit, Krzemiński & Skibińska, 2021

Burmahesperinus pedicellatus Ševčík, Skartveit, Krzemiński & Skibińska, 2021

Cascoplecia insolitis Poinar, 2010

†Cascopleciidae

Cascoplecia insolitis Poinar, 2010

Cecidomyiidae

Johnsonomyia sp.?

Limoniidae

Decessia podenasi Krzemiński, Kania-Kłosok, Krzemińska, Ševčík & Soszyńska-Maj, 2021

Psychodidae

Palaeoglaesum pilosus Skibińska, Krzemiński & Zhang, 2021

Palaeoglaesum stebneri Skibińska & Krzemiński, 2021

Palaeoglaesum teres Skibińska & Albrycht, 2021

Tipulidae

Leptotarsus burmica Men & Hu, 2021

Family *incertae sedis*

Lebambromyia sacculifera Badano, Zhang, Yeates & Cerretti, 2021

Hymenoptera (64f., 159g., 269sp.)

†Allommationidae

Allommation elongatum Rosa & Melo, 2021

Allommation grande Rosa & Melo, 2021

Allommation procerum Rosa & Melo, 2021

Ampulicidae

Apodolichurus diaphanus Antropov, 2000

Apodolichurus sphaerocephalus Antropov, 2000

†Angarosphecidae

- DecaspheX cretacicus* Zheng, Zhang & Rasnitsyn, 2021
- Aulacidae
Paleoaulacus minutus Jouault & Nel, 2021
- Bethylidae
Burmapyris azevedoi Jouault, Perrichot & Nel, 2021
Merascylla atavella (Cockerell, 1920)
Protopyris myanmarensis Jouault & Nel, 2021
- Braconidae
Burmabracon gracilens Li, Shih & Ren, 2021
Burmabracon grossus Li, Shih & Ren, 2021
- †Cirrosphécidae
Cirrosphex admirabilis Antropov, 2000
Glenocephalus mandibularis Rosa & Melo, 2021
Haptodioctes apiformis Rosa & Melo, 2021
- Crabronidae (=†Discoscápidae)
Ammosphécium diabolicum Rosa & Melo, 2021
Cretastatus longevus Rosa & Melo, 2021
Discoscapa apicula Poinar, 2020
Helosericus verrucosus Rosa & Melo, 2021
Megarolium paradoxum Rosa & Melo, 2021
Odontosericus burmensis Rosa & Melo, 2021
Pristinopterus spectabilis Rosa & Melo, 2021
Pristopsen obscurus Rosa & Melo, 2021
- ~~†Discoscápidae~~
~~*Discoscapa apicula* Poinar, 2020~~
- Dryinidae
Hybristodryinus castaneus Olmi, Guglielmino & Chen, 2021
Hybristodryinus viriosus Wang, Olmi & Gao, 2021
Hybristodryinus zaifui Chen, Olmi & Perkovsky, 2021 (in Olmi *et al.*, 2021)
~~*Ponomarenkoa ellenbergeri* Olmi, Xu & He, 2013~~
- Embolemidae
Embolemus antiquus Perkovsky, Olmi, Müller, Guglielmino & Rasnitsyn, 2021
Embolemus brachypterus Olmi, Guglielmino, Müller, Capradossi & Perkovsky, 2021
Embolemus burmensis Perkovsky, Olmi, Müller, Guglielmino & Rasnitsyn, 2021
Embolemus cretacicus Perkovsky, Olmi, Müller, Guglielmino & Rasnitsyn, 2021
Embolemus micropterus Olmi, Guglielmino, Müller, Capradossi & Perkovsky, 2021
Embolemus ohmkuhnlei Perkovsky, Olmi, Müller, Guglielmino & Rasnitsyn, 2021
Embolemus zherikhini Perkovsky, Olmi, Müller, Guglielmino & Rasnitsyn, 2021
Ponomarenkoa burmensis Perkovsky, Olmi, Müller, Guglielmino & Rasnitsyn, 2021
Ponomarenkoa ellenbergeri Olmi, Xu & He, 2013
- Heterogynaidae
Apodolichurus diaphanus Antropov, 2000
Apodolichurus sphaerocephalus Antropov, 2000
Aulacosmus setosus Rosa & Melo, 2021
Ptilocosmus corniculatus Rosa & Melo, 2021
Thigmocosmus longicornis Rosa & Melo, 2021

Pelecinidae

Eopelecinus marechali Jouault, 2021

Roproniidae

Phoriestephanus exilis Engel & Huang, 2016

†Spheciellidae

Spheciellus aenigmaticus Rosa & Melo, 2021

Stephanidae

~~*Phoriestephanus exilis* Engel & Huang, 2016~~

Family incertae sedis

~~*Cirrosphecx admirabilis* Antropov, 2000~~

Lepidoptera (6f., 5g., 14sp.)

Agathiphagidae

Agathiphagama perdita Mey, Léger & Lien, 2021

Lophocoronidae

Acanthocorona bowangi Mey, Léger & Lien, 2021

Acanthocorona kuranishii Mey, Léger & Lien, 2021

Acanthocorona muelleri Mey, Léger & Lien, 2021

Acanthocorona sattleri Mey, Léger & Lien, 2021

Acanthocorona skalskii Mey, Léger & Lien, 2021

Acanthocorona spinifera Mey, Léger & Lien, 2021

Acanthocorona wichardi Mey, Léger & Lien, 2021

Neuroptera (21f., 98g., 122sp.)

†Araripeneuridae

~~*Allopteroneura burmana* Lu, Zhang & Liu, 2019~~

~~*Burmaneura minuta* Huang, Azar, Engel, Garrouste, Cai & Nel, 2016~~

~~*Cratoneura cuneata* Yang, Shi & Ren, 2020~~

~~*Phylloleon elegans* Lu, Wang & Liu, 2019~~

~~*Phylloleon stangei* Lu, Ohl & Liu, 2019~~

Dilaridae

~~*Cretadilar olei* Makarkin, 2016~~

Mantispidae

Paradoxomantispa hongii (Shi, Yang & Ren, 2019)

†Mesochrysopidae

Burmotachinymphes bilobata Cao, Wang & Liu, 2021

Myrmeleontidae (=†Araripeneuridae)

~~*Allopteroneura burmana* Lu, Zhang & Liu, 2019~~

~~*Burmaneura minuta* Huang, Azar, Engel, Garrouste, Cai & Nel, 2016~~

~~*Cratoneura cuneata* Yang, Shi & Ren, 2020~~

~~*Phylloleon elegans* Lu, Wang & Liu, 2019~~

~~*Phylloleon stangei* Lu, Ohl & Liu, 2019~~

Osmylidae

Nuddsia magnifica (Myskowiak, Huang, Azar, Cai, Garrouste & Nel, 2016)

Sisyridae

~~*Cretadilar olei* Makarkin, 2016~~

Trichoptera (10f., 14g., 34sp.)

†Burmapsychidae

Burmapsyche comosa Wichard, Neumann, Muller & Wang, 2017

Burmapsyche palpifurcata Wichard, Neumann, Muller & Wang, 2017

†Cretapsychidae

Cretapsyche circula Wichard, Neumann, Müller & Wang, 2017

Cretapsyche elegans Wichard, Neumann, Müller & Wang, 2017

Cretapsyche insueta Wichard, Neumann, Müller & Wang, 2017

Cretapsyche palpinova Wichard & Neumann, 2019

†Dysoneuridae

~~*Burmapsyche comosa* Wichard, Neumann, Muller & Wang, 2017~~

~~*Burmapsyche palpifurcata* Wichard, Neumann, Muller & Wang, 2017~~

~~*Cretapsyche circula* Wichard, Neumann, Müller & Wang, 2017~~

~~*Cretapsyche elegans* Wichard, Neumann, Müller & Wang, 2017~~

~~*Cretapsyche insueta* Wichard, Neumann, Müller & Wang, 2017~~

~~*Cretapsyche palpinova* Wichard & Neumann, 2019~~

Hydroptilidae

Cretacoptila botosaneanui Wichard, 2021

Kambaitipsychidae

Myanpsyche malaisei (Wichard & Wang, 2019)

Polycentropodidae

Electrocentropus dilucidus Wichard, 2021

Neucentropus macularis (Wang, Zhang, Wang & Ren, 2019)

Order *incertae sedis* (2f., 3g., 3sp.)

†Mesophthiridae

~~*Mesophthirus engeli* Gao, Shih, Rasnitsyn & Ren, 2019~~

CHELICERATA (1c, 12o., 123f., 198g., 394sp.)

Arachnida (12o., 123f., 198g., 394sp.)

Araneida (62f., 142g., 315sp.)

Archaeidae

~~*Eomysmauchenius dubius* Wunderlich, 2017~~

~~*Eomysmauchenius septentrionalis* Wunderlich, 2008~~

~~?*Eomysmauchenius longissipes* (Wunderlich, 2015)~~

~~*Planarchaea kopp* Wunderlich, 2015~~

~~*Planarchaea oblonga* Wunderlich, 2017~~

~~*Planarchaea ovata* Wunderlich, 2017~~

~~?*Planarchaea paucidentata* (Wunderlich, 2008)~~

~~*Planarchaea pilosa* (Wunderlich, 2015)~~

Spiniarchaea aberrans Wunderlich, 2021

†Burmadietynidae

~~*Burmadietyna clava* Wunderlich, 2015~~
~~*Burmadietyna excavata* Wunderlich, 2015~~
~~*Burmadietyna pectin* Wunderlich, 2008~~
~~*Burmadietyna postcopula* Wunderlich, 2017~~
~~*Eodeinopsis longipes* Wunderlich, 2017~~

†Burmorsolidae

Burmorsolus longitibia Wunderlich, 2021
Loxodercus curvatus (Wunderlich, 2017)
Loxodercus globosus (Wunderlich, 2020)
Loxodercus longembolus (Wunderlich, 2020)
Loxodercus longibulbus (Wunderlich, 2020)
Loxodercus rectus (Wunderlich, 2017)

†Crassicephalidae

Crassicephalus parvibulbus Wunderlich, 2021

Deinopidae

~~*Deinopedes tranquillus* Wunderlich, 2017~~

Dipluridae

Alterphyxioschemoides spicula Wunderlich, 2021

†Dubiodeinopsidae

Dubiodeinopsis spinifemora Wunderlich, 2021

†Dubiouloboridae

Dubiouloborix incompletus Wunderlich, 2021
Dubiouloborus praeta Wunderlich, 2021
Dubiouloborus procerembolus Wunderlich, 2021

†Eodeinopidae

Eodeinopsis longipes Wunderlich, 2017
Deinopedes tranquillus Wunderlich, 2017

†Eopsilodercidae

Propterpsiloderces similis Wunderlich, 2021

†Eotibiaapophysidae

Eoagelenomorphus cretaceus Wunderlich, 2021
Eotibiaapophysis reliquus Wunderlich, 2018

Leptonetidae

Palaeoleptoneta fissura Wunderlich, 2021

†Megasetidae

Megasetae colphepeiroides Wunderlich, 2021

Mecysmaucheniidae

Palaeozearchaea depressa Wunderlich, 2021

†Micropalpimanidae

Micropalpimanus gibber Wunderlich, 2021

†Mongolarachnidae

~~*Longissipalpus cochlea* Wunderlich, 2017~~
~~*Longissipalpus magnus* Wunderlich, 2015~~
~~*Longissipalpus maior* Wunderlich, 2015~~
~~*Longissipalpus minor* Wunderlich, 2015~~

- ~~*Pedipalparaneus seldeni* Wunderlich, 2015~~
- Nemesiidae
Burmesiana sordida (Wunderlich, 2020)
- Pacullidae
Furcembolus andersoni Wunderlich, 2008
Furcembolus armatura (Wunderlich, 2015)
Furcembolus biacutus (Wunderlich, 2015)
Furcembolus chuandiani Jiang & Li, 2021 (in Xin *et al.*, 2021)
Furcembolus crassitibia Wunderlich, 2017
Furcembolus dissolatus (Wunderlich, 2015)
Furcembolus equester (Wunderlich, 2015)
Furcembolus fengzheni Jiang & Li, 2021 (in Xin *et al.*, 2021)
Furcembolus grossus Wunderlich, 2017
Furcembolus longior Wunderlich, 2017
Furcembolus martensi Jiang & Li, 2021 (in Xin *et al.*, 2021)
Furcembolus tuberosus (Wunderlich, 2015)
- ~~Palpimanidae~~
- †Pholcochyroceridae
Autotomiana brevisetosa Wunderlich, 2021
Kachinarachne oblonga Wunderlich, 2021
Longissipalpus cochlea Wunderlich, 2017
Longissipalpus cochlea Wunderlich, 2021 [junior homonym]
Longissipalpus impudicus Wunderlich, 2021
Longissipalpus magnus Wunderlich, 2015
Longissipalpus maior Wunderlich, 2015
Longissipalpus minor Wunderlich, 2015
Pedipalparaneus seldeni Wunderlich, 2015
- †Planarchaeidae
Eomysmauchenius dubius Wunderlich, 2017
Eomysmauchenius ovata (Wunderlich, 2017)
Eomysmauchenius septentrionalis Wunderlich, 2008
Filiauchenius paucidentatus Wunderlich, 2008
Planarchaea incompleta Wunderlich, 2021
Planarchaea kopp Wunderlich, 2015
Planarchaea longissipes (Wunderlich, 2015)
Planarchaea oblonga Wunderlich, 2017
Planarchaea pilosa (Wunderlich, 2015)
Platythelae longicorpus Wunderlich, 2021
- †Protoaraneoididae
Proaraneoides lanceatum Wunderlich, 2021
- Psilodercidae
Priscaleclercera christae Magalhaes, Porta, Wunderlich, Proud, Ramírez & Pérez-González, 2021
Priscaleclercera ellenbergeri (Wunderlich, 2015)
Priscaleclercera longissipes (Wunderlich, 2012)
Priscaleclercera sexaculeata (Wunderlich, 2015)

- Priscaleclercera spicula* (Wunderlich, 2012)
- †Salticoididae (= Burmadictynidae)
- Burmadictyna clava* Wunderlich, 2015
- Burmadictyna crassebolus* Wunderlich, 2021
- Burmadictyna excavata* Wunderlich, 2015
- Burmadictyna fissura* Wunderlich, 2021
- Burmadictyna pectin* Wunderlich, 2008
- Burmadictyna postcopula* Wunderlich, 2017
- Burmadictyna similis* Wunderlich, 2021
- †Scuuloboridae
- Scutuloborella admirabilis* Wunderlich, 2021
- Scutuloboroides pumilio* Wunderlich, 2021
- Scutuloborus spiralembolus* Wunderlich, 2021
- Telemidae
- ?*Telemofila ovalis* Wunderlich, 2021
- Tetramblemmidae
- Alticoroma planfemur* Wunderlich, 2021
- Electroblemma bizarre* (Wunderlich, 2017)
- Electroblemma nala* (Wunderlich, 2017)
- Electroblemma paranala* (Wunderlich, 2017)
- Electroblemma spermaferens* Wunderlich, 2021
- ~~*Furcembolus andersoni* Wunderlich, 2008~~
- ~~*Furcembolus armatura* (Wunderlich, 2015)~~
- ~~*Furcembolus biacuta* (Wunderlich, 2015)~~
- Furcembolus crassitibia* Wunderlich, 2017
- ~~*Furcembolus dissolata* (Wunderlich, 2015)~~
- ~~*Furcembolus equester* (Wunderlich, 2015)~~
- ~~*Furcembolus grossa* Wunderlich, 2017~~
- ~~*Furcembolus longior* Wunderlich, 2017~~
- ~~*Furcembolus tuberosa* (Wunderlich, 2015)~~
- Procerclypeus deformans* Wunderlich, 2021
- Tenuicephalus penicillus* Wunderlich, 2021
- Unicornutiblemma unicornis* (Wunderlich, 2017)
- Theridiidae
- Cornutheridion concavum* Wunderlich, 2021
- Microtheridion longissispinae* Wunderlich, 2021
- Uloboridae
- Boavista crassifemora* Wunderlich, 2021
- ~~*Eotibiaapophysys reliquus* Wunderlich, 2018~~
- Microuloborus oblongus* Wunderlich, 2021
- Paramiagrammopes appendix* Wunderlich, 2021
- Paramiagrammopes curvatus* Wunderlich, 2021
- Paramiagrammopes furca* Wunderlich, 2021
- Paramiagrammopes granulatus* Wunderlich, 2021
- Paramiagrammopes inaequalis* Wunderlich, 2021
- Paramiagrammopes inclinatus* Wunderlich, 2021

- Paramiagrammopes multifemurspinae* Wunderlich, 2021
Paramiagrammopes patellaris (Wunderlich, 2017)
Paramiagrammopes paracurvatus Wunderlich, 2021
Paramiagrammopes pilosus Wunderlich, 2021
Paramiagrammopes pollex Wunderlich, 2021
Paramiagrammopes semiapertus Wunderlich, 2021
Paramiagrammopes simplex Wunderlich, 2021
Paramiagrammopes sulcus Wunderlich, 2021
Paramiagrammopes texter Wunderlich, 2021
Paramiagrammopes unibrevispina Wunderlich, 2021
Paramiagrammopes vesica (Wunderlich, 2008)
Propterkachin bispinatus Wunderlich, 2021
Pseudokachin tuberculatus Wunderlich, 2021
Spiniuloborus crux Wunderlich, 2021
- †Vetiatoridae
- Praetervetiator* (= *Praetervetianus*) *circulus* Wunderlich, 2021
Procervetiator fruticosus Wunderlich, 2021
- †Zarqaraneidae
- Burmaspiralis trispinae* Wunderlich, 2021
Crassitibia sicilicula Wunderlich, 2021
Spinicymbium unispina Wunderlich, 2021

Pseudoscorpiones (13f., 6g., 6sp.)

Chthoniidae

Prionochthonius burmiticus Wriedt, Harvey, Hammel, Kotthoff & Harms, 2021

Scorpiones (8f., 14g., 33sp.)

†Palaeoburmesebuthidae

Spinoburmesebuthus knodelorum Lourenço, 2021

†Protoischnuridae

Cretaceousousthacanthus smeelei Lourenço, 2021

CRUSTACEA (2c., 4o., 5f., 7g., 5sp.)

Malacostraca (2o., 3f., 4g., 4sp.)

Isopoda (3f., 4g., 4sp.)

~~Cirolanidae?~~

Family *incertae sedis*

Cryptolacruma nidis Schädel, Hörnig, Hyžný & Haug, 2021

Electrolana madelineae Schädel, Hyžný & Haug, 2021

MOLLUSCA (3c., 6o., 9f., 16g., 21sp.)

Bivalvia (1o., 1f., 1g., 1sp.)

Myoida (1f., 1g., 1sp.)

Pholadidae

~~*Martesia* sp.~~

Palaeolignopholas kachinensis Bolotov, Aksenova, Vikhrev, Konopleva, Chapurina & Kondakov, 2021

Gastropoda (6o., 9f., 17g., 25sp.)

Allogastropoda (1f., 1g.)

Architaenioglossa (4f., 12g., 21sp.)

Diplommatinidae

Euthema lophopleura (Bullis, Herhold, Czekanski-Moir, Grimaldi & Rundell, 2019)

Pulchraspira teneristoma Yu, Salvador & Jarzembowski, 2021

Pupinidae

Cretatortulosa cretakachinensis Yu, Salvador & Jarzembowski, 2021

Cretatortulosa gignens Jochum, Yu & Neubauer, 2021

Rhaphaulus zhuoi Yu, Salvador & Jarzembowski, 2021

Cycloneritida (1f., 1g., 1sp.)

Hydrocenidae

?*Hydrocena praecursor* Yu & Neubauer, 2021

Hygrophila (1f., 1g., 1sp.)

Lymnaeidae

Galba prima Yu, Neubauer & Jochum, 2021

VERTEBRATA (3c., 5o., 4f., 8g., 8sp.)

Reptilia (2o., 3f., 4g., 4sp.)

Squamata (3f., 4g., 4sp.)

Agamidae

Protodraco monocoli Wagner, Stanley, Daza & Bauer, 2021

PLANTAE (9c., 16o., 20f., 42g., 44sp.)

Angiospermae (6o., 7f., 24g., 26sp.)

Order *incertae sedis* (12g., 12sp.)

Family *incertae sedis*

Tricolpopollenites sp.

Jungermanniopsida (1o., 3f., 4g., 6sp.)

Porellales (3f., 4g., 6sp.)

Frullaniaceae

Frullania baerlocheri Heinrichs, M.E. Reiner, Feldberg, von Konrat, Hentschel, Váňa & A.R. Schmidt, 2011 (= *Frullania pinnata* Heinrichs, Feldberg, Schäf.-Verw. & Krings, 2017)

Hkamti (Khamti) amber

HEXAPODA (1c., 10o., 3f., 3g., 3sp.)

Insecta (10o, 3f., 3g., 3sp.)

Hymenoptera (3f., 3g., 3sp.)

Bethylidae

Protopyris myanmarensis Jouault & Nel, 2021

MOLLUSCA (1c., 1o., 2f., 2g., 2sp.)

Gastropoda (1o., 2f., 2g., 2sp.)

Architaenioglossa (2f., 2g., 2sp.)

Cyclophoridae

Archaeocyclotus cf. *A. plicatula* Asato & Hirano, 2019

Diplommatinidae

Euthema myanmarica Balashov, 2021

Trace fossils

Ichnotaxa (1f., 1g., 1sp.)

Gastrochaenolitidae

Teredolites clavatus Leymerie, 1842

Papers published on Burmese amber since the beginning of 2021, or missed previously

- Badano, D., Zhang, Q., Fratini, M., Maugeri, L., Bukreeva, I., Longo, E., Wilde, F., Yeates, D.K. & Cerretti, P. 2021. Discovery of *Lebambromyia* in Myanmar Cretaceous amber: phylogenetic and biogeographic implications (Insecta, Diptera, Phoroidea). *Insects*, **12**(4), 354, 1-12.
<https://doi.org/10.3390/insects12040354>
- Balashov, I. 2021 (on-line). The first records of mollusks from mid-Cretaceous Hkamti amber (Myanmar), with the description of a land snail, *Euthema myanmarica* n. sp. (Caenogastropoda, Cyclophoroidea, Diplommatinidae). *Journal of Paleontology*,
<https://doi.org/10.1017/jpa.2021.26>
- Batelka, J., Engel, M.S. & Prokop, J. 2021. The complete life cycle of a Cretaceous beetle parasitoid. *Current Biology*, **31**(3), R118-R119.
<https://doi.org/10.1016/j.cub.2020.12.007>
- Bolotov, I.N., Aksenova, O.V., Vikhrev, I.V., Konopleva, E.S., Chapurina, Y.E. & Kondakov, A.V. 2021. A new fossil piddock (Bivalvia: Pholadidae) may indicate estuarine to freshwater environments near Cretaceous amber-producing forests in Myanmar. *Scientific Reports*, **11**, 6646, 1-14.
<https://doi.org/10.1038/s41598-021-86241-y>
- Cao, L.-R., Wang, B. & Liu, X.-Y. 2021. A new genus and species of Mesochrysopidae (Neuroptera) from the mid-Cretaceous Burmese amber. *Palaeoentomology*, **4**(1), 77-84.
<https://doi.org/10.11646/palaeoentomology.4.1.12>
- Caterino, M.S. 2021. New fossil histerid species from Cretaceous Burmese amber (Coleoptera: Histeridae). *Coleopterists Bulletin*, **75**(1), 211-221.
<https://doi.org/10.1649/0010-065X-75.1.211>
- Chen, H.-y., Achterberg, C. van, Pang, H. & Liu, J.-x. 2021. Corrigendum to “Three new genera of Braconidae (Hymenoptera) from mid-Cretaceous amber of northern Myanmar, Cretaceous Research 118 (2021) 104669”. *Cretaceous Research*, **122**, 104774, 1.
<https://doi.org/10.1016/j.cretres.2021.104774>
- Chen, J., Jiang, H., Shang, T., Zhang, L., Zheng, Y., Zhang, Q., Zhang, H. 2021. The second leafhopper of the subfamily Ledrinae (Hemiptera, Cicadellidae) in mid-Cretaceous Burmese amber. *Cretaceous Research*, **122**, 104763, 1-7.
<https://doi.org/10.1016/j.cretres.2021.104763>
- Chen, X.-Y. & Zhang, H.-C. 2021. *Eminepygia myanmarensis* sp. nov., a new earwig (Dermaptera) nymph in Burmese amber. *Zootaxa*, **4952**(3), 571-579.
<https://doi.org/10.11646/zootaxa.4952.3.9>
- Chen, X.-Y., Zhang, H.-C., Shi, X. 2021. A new species and genus of Alienopteridae (Blattodea) from mid-Cretaceous amber of northern Myanmar. *Zootaxa*, **4941**(4), 580-586.

<https://doi.org/10.11646/zootaxa.4941.4.7>

- Colombo, W.D., Perkovsky, E.E., Waichert, C. & Azevedo, C.O. 2021. Synopsis of the fossil flat wasps Epyrinae (Hymenoptera, Bethyilidae), with description of three new genera and 10 new species. *Journal of Systematic Paleontology*, **19**(1), 39-89.
<https://doi.org/10.1080/14772019.2021.1882593>
- Cumming, R.T. & Le Tirant, S. 2021. Review of the Cretaceous †Archaeatropidae and †Empheriidae and description of a new genus and species from Burmese amber (Psocoptera). *Faunitaxys*, **9**(16), 1-11.
- Fedotova, Z.A. & Perkovsky, E.E. 2020. Mesozoic gall midges (Diptera, Cecidomyioidea) with a description of a new genus and species from the Santonian amber of Taimyr (Ugolyak). *Paleontological Journal*, **54**(12), 1400–1409.
- Fu, Y., Szwed, J. & Huang, D. 2021. A new sinoalid froghopper in mid-Cretaceous amber from northern Myanmar (Hemiptera, Cicadomorpha, Sinoalidae). *Cretaceous Research*, **125**, 104841, 1-7.
<https://doi.org/10.1016/j.cretres.2021.104841>
- Godunko, R.J., Martynov, A.V. & Staniczek, A.H. 2021. First fossil record of the mayfly family Vietnamellidae (Insecta, Ephemeroptera) from Burmese amber confirms its Oriental origin and gives new insights into its evolution. *ZooKeys*, **1036**, 99-120.
<https://doi.org/10.3897/zookeys.1036.66435>
- Grimaldi, D.A. & Veal, I.M. 2021. Insects with 100 million-year-old dinosaur feathers are not ectoparasites. *Nature Communications*, **12**, 1469, 1-3.
<https://doi.org/10.1038/s41467-021-21751-x>
- Hakim, M., Azar, D., Fu, Y.-Z., Cai, C.-Y. & Huang, D.-Y. 2021. A new cormopsocid from mid-Cretaceous Burmese amber (Psocodea: Trogiomorpha: Cormopsocidae). *Palaeoentomology*, **4**(2), 178–185.
<https://doi.org/10.11646/palaeoentomology.4.2.7>
- Hakim, M., Azar, D., Szwed, J., Drohojowska, J. & Huang, D. 2021. Paraprotosyllidiidae fam. nov., a new thrips-like protosyllidioid family from mid-Cretaceous Burmese amber (Hemiptera; Sternorrhyncha). *Cretaceous Research*, **120**, 104726,
<https://doi.org/10.1016/j.cretres.2020.104726>
- Haug, J.T. & Haug, C. 2021. A million-year-old armoured caterpillar supports the early diversification of moths and butterflies. *Gondwana Research*, **93**, 101-105.
<https://doi.org/10.1016/j.gr.2021.01.009>
- Haug, J.T. & Haug, C. 2021b (on-line). The fossil record of whip spiders: the past of Amblypygi. *Paläontologische Zeitschrift*,
<https://doi.org/10.1007/s12542-021-00552-z>

- Heiss, E. & Golub, V.B. 2021. A new genus and species of Tingidae from Cretaceous Burmese amber (Hemiptera, Heteroptera). *Palaeoentomology*, **4**(2), 137–140.
<https://doi.org/10.11646/palaeoentomology.4.2.2>
- Heiss, E. & Guilbert, E. 2021. A new species of *Burmacader* Heiss & Guilbert, 2013 from Cretaceous Burmese amber (Hemiptera, Heteroptera, Tingidae). *Palaeoentomology*, **4**(1), 30-33.
<https://doi.org/10.11646/palaeoentomology.4.1.6>
- Hsiao, Y., Li, Y., Ren, D. & Pang, H. 2021 (on-line). Morphological phylogenetics provide new insights into the classification and evolution of fossil soldier beetles from Mid-Cretaceous Burmese amber (Coleoptera: Cantharidae). *Zoological Journal of the Linnean Society*,
<https://doi.org/10.1093/zoolinnean/zlaa184>
- Jiang, R., Song, H., Zhang, H. & Wang, S. 2021. *Burmagrilus cretacus* gen. et sp. nov., the first Buprestidae from mid-Cretaceous Burmese amber. *Cretaceous Research*, **125**, 104866, 1-5.
<https://doi.org/10.1016/j.cretres.2021.104866>
- Jochum, A., Yu, T. & Neubauer, T.A. 2021. Mother snail labors for posterity in bed of mid-Cretaceous amber. *Gondwana Research*, **97**, 68-72.
<https://doi.org/10.1016/j.gr.2021.05.006>
- Jouault, C. 2021. Mid-Cretaceous Burmese amber peleciniid wasps (Hymenoptera, Pelecinidae) support the hypothesis of an Asian origin of the family. *Annales de Paléontologie*, **107**(1), 1-7.
<https://doi.org/10.1016/j.annpal.2020.102464>
- Jouault, C. & Nel, A. 2021. A new genus and species of Aulacidae (Hymenoptera: Evanioidea) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **124**, 1-6.
<https://doi.org/10.1016/j.cretres.2021.104799>
- Jouault, C., Ngô-Muller, V., Pouillon, J.-M. & Nel, A. 2020b (on-line). New Burmese amber fossils clarify the evolution of bethylid wasps (Hymenoptera: Chrysidoidea). *Zoological Journal of the Linnean Society*, **191**(4), 1044-1058.
<https://doi.org/10.1093/zoolinnean/zlaa078>
- Jouault, C. & Perrichot, V. & Nel, A. 2021. New flat wasps from mid-Cretaceous Burmese amber deposits highlight the bethylid antiquity and paleobiogeography (Hymenoptera: Chrysidoidea). *Cretaceous Research*, **123**, 104772, 1-10.
<https://doi.org/10.1016/j.cretres.2021.104772>
- Kim, J., Lim, H.-S. & Jung, S. 2021. A first member of bamboo-feeding lineage plant bug (Hemiptera: Heteroptera: Miridae: Mecistoscellini) in mid-Cretaceous Burmese amber. *Cretaceous Research*, **121**, 104741, 1-6.
<https://doi.org/10.1016/j.cretres.2020.104741>

- Kóbor, P. & Roca-Cusachs, M. 2021. *Pseudocaulisoculus longicornis*: description of a new yuripopoviniid true bug from mid-Cretaceous Burmese amber (Heteroptera: Coreoidea: Yuripopoviniidae). *Cretaceous Research*, **125**, 104849, 1-5.
<https://doi.org/10.1016/j.cretres.2021.104849>
- Krzemiński, W., Kania-Kłosok, I., Krzemińska, E., Ševčík, J. & Soszyńska-Maj, A. 2021. Fossils shed a new light on the diversity and disparity of the Family Limoniidae (Diptera, Nematocera). *Insects*, **12** (206), 1-16.
<https://doi.org/10.3390/insects12030206>
- Li, L., Shih, C., Yang, J., Wang, L., Li, D. & Ren, D. 2021. New amber record of Braconidae (Insecta: Hymenoptera) from the mid-Cretaceous of Myanmar. *Cretaceous Research*, **124**, 104794, 1-7.
<https://doi.org/10.1016/j.cretres.2021.104794>
- Li, X.-R. & Huang, D.-Y. 2021. A brachypterous cockroach (Dictyoptera: Blattaria: Blattoidea) and its potential relevance to the palaeoenvironment of mid-Cretaceous Myanmar amber locality. *Cretaceous Research*, **120**, 104730, 1-6.
<https://doi.org/10.1016/j.cretres.2020.104730>
- Li, Y., Li, L.-Q., Feldberg, K., Wu, P.-C., Schneider, H., Schmidt, A.R. & Wang, Y.-D. 2021. Re-appraisal of two fossil Frullaniaceae species (Marchantiophyta, Porellales) from the mid-Cretaceous Burmese amber. *Cretaceous Research*, **124**, 104803, 1-10.
<https://doi.org/10.1016/j.cretres.2021.104803>
- Li, Y.-D., Huang, D.-Y. & Cai, C.-Y. 2021. New genera and species of the family Throscidae (Coleoptera: Elateroidea) in mid-Cretaceous Burmese amber. *Insects*, **12**(63), 1-13.
<https://doi.org/10.3390/insects12010063>
- Li, Y.-D., Kundrata, R., Tihelka, E., Liu, Z., Huang, D. & Cai, C. 2021. Cretophengodidae, a new Cretaceous beetle family, sheds light on the evolution of bioluminescence. *Proceedings of the Royal Society B*, **288**(1943), 20202730, 1-8.
<https://doi.org/10.1098/rspb.2020.2730>
- Li, Y.-D., Tihelka, E., Huang, D. & Cai, C. 2021. *Murcybolus* gen. nov., a new net-winged beetle genus from mid-Cretaceous Burmese amber (Coleoptera: Lycidae: Burmolycini). *Zootaxa*, **4966**(1), 77-83.
<https://doi.org/10.11646/zootaxa.4966.1.8>
- Li, Y.-D., Yamamoto, S., Huang, D.-Y. & Cai, C.-Y. 2021. New species of *Paraodontomma* from mid-Cretaceous Burmese amber with muscle tissue preservation (Coleoptera: Archostemata: Ommatidae). *Papéis Avulsos de Zoologia*, **61**, e20216153, 1-13.
<http://doi.org/10.11606/1807-0205/2021.61.53>
- Liu, G., Wang, X., Zhuo, D. & Chen, J. 2021. A new non-jumping plant-louse (Hemiptera, Sternorrhyncha, Malmopsyllidae) in mid-Cretaceous Kachin amber, northern Myanmar. *Cretaceous Research*, **124**, 104816,

<https://doi.org/10.1016/j.cretres.2021.104816>

- Lourenço, W.R. 2021. Further comments on the elements of the family Palaeoburmesebuthidae Lourenço, 2015 with description of a new species of *Spinoburmesebuthus* Lourenço, 2017 from Early Cretaceous Burmite amber (Scorpiones). *Faunitaxys*, **9**(17), 1-6.
- Lourenço, W.R. & Velten, J. 2021. One more new genus and species of scorpion from Early Cretaceous Burmese amber (Scorpiones: Protoischnuridae). *Faunitaxys*, **9**(14), 1-5.
- Lu, X. & Liu, X. 2021. The Neuropterida from the mid-Cretaceous of Myanmar: A spectacular palaeodiversity bridging the Mesozoic and present faunas. *Cretaceous Research*, **121**, 104727, 1-15.
<https://doi.org/10.1016/j.cretres.2020.104727>
- Luo, C., Wang, B. & Jarzembowski, E.A. 2021. A bizarre planthopper nymph (Hemiptera: Fulgoroidea) from mid-Cretaceous Kachin amber. *Insects*, **12**(318), 1-10.
<https://doi.org/10.3390/insects12040318>
- Magalhaes, I.L.F., Porta, A.O., Wunderlich, J., Proud, D.N., Ramírez, M.J. & Pérez-González, A. 2021. Taxonomic revision of fossil Psilodercidae and Ochyroceratidae spiders (Araneae: Synspermiata), with a new species of *Priscacleclercera* from mid-Cretaceous Burmese amber, northern Myanmar. *Cretaceous Research*, **121**, 104751, 1-17.
<https://doi.org/10.1016/j.cretres.2020.104751>
- Men, Q. & Hu, Z. 2021. *Leptotarsus (Longurio) burmica* sp. nov. –The first species of Tipulidae (Diptera) from the mid-Cretaceous Burmese amber. *Cretaceous Research*, **121**, 104723, 1-5.
<https://doi.org/10.1016/j.cretres.2020.104723>
- Mey, W., Léger, T. & Lien, V.V. 2021. New taxa of extant and fossil primitive moths in South-East Asia and their biogeographic significance (Lepidoptera, Micropterigidae, Agathiphagidae, Lophocoronidae). *Nota Lepidopterologica*, **44**, 29-56.
<https://doi.org/10.3897/nl.44.52350>
- Musa, M., Kaye, T.G., Bieri, W. & Peretti, A. 2021 (on-line). Burmese amber compared using micro-attenuated total reflection infrared spectroscopy and ultraviolet imaging. *Applied Spectroscopy*, <https://doi.org/10.1177%2F0003702820986880>
- Olmi, M., Chen, H.-Y., Shih, C., Müller, P., Capradossi, L., Ren, D., Perkovsky, E.E. & Guglielmino, A. 2021. New species of *Hybristodryinus* Engel (Hymenoptera, Dryinidae) from mid-Cretaceous amber of northern Myanmar, with notes on their possible hosts. *Journal of Hymenoptera Research*, **81**, 43-55.
<https://doi.org/10.3897/jhr.81.57792>
- Olmi, M., Guglielmino, A., Müller, P., Capradossi, L. & Perkovsky, E.E. 2021. Descriptions of the first females of *Embolemus* (Hymenoptera: Chrysidoidea) from Kachin (Myanmar) amber. *Palaeoentomology*, **4**(1), 44–49.

<https://doi.org/10.11646/palaeontomology.4.1.9>

- Perkovsky, E.E., Olmi, M., Müller, P., Guglielmino, A., Jarzembowski, E.A., Capradossi, L. & Rasnitsyn, A.P. 2021. A review of the fossil Embolemidae (Hymenoptera: Chrysidoidea), with description of seven new species and history of the family. *Cretaceous Research*, **121**, 104708, 1-20.
<https://doi.org/10.1016/j.cretres.2020.104708>
- Peretti, A. 2021. An alternative perspective for acquisitions of amber from Myanmar including recommendations of the United Nations Human Rights Council. *Journal of International Humanitarian Action*, **6**(12), 1-6.
<https://doi.org/10.1186/s41018-021-00101-y>
- Pohl, H., Wipfler, B., Boudinot, B., Beutel, R.G. 2020 (on-line). On the value of Burmese amber for understanding insect evolution: Insights from †*Heterobathmilla* – an exceptional stem group genus of Strepsiptera (Insecta). *Cladistics*, **37**(2), 211-229.
<https://doi.org/10.1111/cla.12433>
- Poinar, G.O. & Brown, A.E. 2019 (on-line). A green algae (Chaetophorales: Chaetophoraceae) in Burmese amber. *Historical Biology*, **33**(3), 323-327.
<https://doi.org/10.1080/08912963.2019.1616719>
- Poinar, G.O., Brown, A.E. & Legalov, A.A. 2021. First record of the subfamily Chilecarinae (Coleoptera; Ithyceridae) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **124**, 104793, 1-6.
<https://doi.org/10.1016/j.cretres.2021.104793>
- Poinar, G.O. & Vega, F.E. 2019b (on-line). Mid-Cretaceous cellular slime mold (Eukarya: Dictyostelia?) in Burmese amber. *Historical Biology*, **33**(5), 712-715.
<https://doi.org/10.1080/08912963.2019.1658095>
- Poinar, G.O. & Vega, F.E. 2021. A new genus of Apsilocephalidae (Diptera) in mid-Cretaceous Burmese amber. *Biosis: Biological Systems*, **2**(1), 1-8.
<https://doi.org/10.37819/biosis.002.01.0091>
- Rasnitsyn, A.P. & Öhm-Kühnle, C. 2021. Non-aculeate Hymenoptera in the Cretaceous ambers of the world. *Cretaceous Research*, **124**, 104805, 1-5.
<https://doi.org/10.1016/j.cretres.2021.104805>
- Rosa, B.B. & Melo, A.R. 2021. Apoid wasps (Hymenoptera: Apoidea) from mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*, **122**, 104770, 1-38.
<https://doi.org/10.1016/j.cretres.2021.104770>
- Ross, A.J. 2021. Supplement to the Burmese (Myanmar) amber checklist and bibliography, 2020. *Palaeontomology*, **4**(1), 57-76.
<https://doi.org/10.11646/palaeontomology.4.1.11>

- Schädel, M., Hörnig, M.K., Hyžný, M. & Haug, J.T. 2021 (on-line). Mass occurrence of small isopodan crustaceans in 100-million-year-old amber: an extraordinary view on behaviour of extinct organisms. *Paläontologische Zeitschrift*, <https://doi.org/10.1007/s12542-021-00564-9>
- Schädel, M., Hyžný, M. & Haug, J.T. 2021. Ontogenetic development captured in amber – the first record of aquatic representatives of Isopoda in Cretaceous amber from Myanmar. *Nauplius*, **29**, e2021003, 1-29. <http://doi.org/10.1590/2358-2936e2021003>
- Ševčík, J., Skartveit, J., Krzemiński, W. & Skibińska, K. 2021. A peculiar new genus of Bibionomorpha (Diptera) with Brachycera-like modification of antennae from mid-Cretaceous amber of Myanmar. *Insects*, **12**(364), 1-11. <https://doi.org/10.3390/insects12040364>
- Skibińska, K., Krzemiński, W. & Zhang, Q. 2019 (on-line). A revised diagnosis of *Palaeoglaesum* Wagner (Diptera, Psychodidae, Bruchomyiinae) with description of two new species from Cretaceous Myanmar amber. *Historical Biology*, **33**(2), 230-236. <https://doi.org/10.1080/08912963.2019.1607321>
- Skibińska, K., Albrycht, M., Zhang, Q., Giłka, W., Zakrewska, M. & Krzemiński, W. 2021. Diversity of the fossil genus *Palaeoglaesum* Wagner (Diptera, Psychodidae) in the Upper Cretaceous amber of Myanmar. *Insects*, **12**(3), 247, 1-9. <https://doi.org/10.3390/insects12030247>
- Souma, J., Yamanoto, S. & Takahashi, Y. 2021. Discovery of the smallest lace bug from mid-Cretaceous of northern Myanmar supports the hypothesis of a miniaturization phenomenon of insects in Kachin amber (Hemiptera: Heteroptera: Tingidae). *Taxonomy*, **1**, 60–68. <https://doi.org/10.3390/taxonomy1020007>
- Tihelka, E., Huang, D. & Cai, C. 2019b (on-line). A new subfamily of hide beetles from the Cretaceous of northern Myanmar (Coleoptera: Scarabaeoidea: Trogidae). *Historical Biology*, **33**(4), 506-513. <https://doi.org/10.1080/08912963.2019.1641705>
- Tihelka, E., Huang, D. & Cai, C. 2021. A new genus of giant sooty mould beetles from mid-Cretaceous Burmese amber (Coleoptera: Cyclaxyridae). *Cretaceous Research*, **125**, 104876, 1-6. <https://doi.org/10.1016/j.cretres.2021.104876>
- Tihelka, E., Li, L., Fu, Y., Su, Y., Huang, D. & Cai, C. 2021. Angiosperm pollinivory in a Cretaceous beetle. *Nature Plants*, **7**, 445-451. <https://doi.org/10.1038/s41477-021-00893-2>

- Tihelka, E., Li, Y.-D., Huang, D.-Y. & Cai, C.-Y. 2021. Are wounded-tree beetles living fossils? A new nosodendrid genus from Burmese amber with bilobed tarsi (Coleoptera: Nosodendridae). *Palaeoentomology*, **4**(1), 50-56.
<https://doi.org/10.11646/palaeoentomology.4.1.10>
- Tihelka, E., Yamamoto, S., Huang, D. & Cai, C. 2021. Enigmatic tenebrionoid beetles from mid-Cretaceous Burmese amber (Coleoptera: Tenebrionoidea). *Cretaceous Research*, **123**, 104779, 1-9.
<https://doi.org/10.1016/j.cretres.2021.104779>
- Vršanský, P., Sendi, H., Hinkelman, J. & Hain, M. 2021 (on-line). *Alienopterix* Mlynský et al., 2018 complex in North Myanmar amber supports Umenocoleoidea/ae status. *Biologia*,
<https://doi.org/10.1007/s11756-021-00689-x>
- Wagner, P., Stanley, E.L., Daza, J.D. & Bauer, A.M. 2021. A new agamid lizard in mid-Cretaceous amber from northern Myanmar. *Cretaceous Research*, **124**, 104813, 1-8.
<https://doi.org/10.1016/j.cretres.2021.104813>
- Wang, Z., Olmi, M., Shih, C., Ren, D. & Gao, T. 2021. New species of *Hybristodryinus* from mid-Cretaceous Myanmar amber (Hymenoptera, Dryinidae). *Cretaceous Research*, **125**, 104861, 1-6.
<https://doi.org/10.1016/j.cretres.2021.104861>
- Wichard, W. 2021. Overview of the caddisflies (Insecta, Trichoptera) in mid-Cretaceous Burmese amber. *Cretaceous Research*, **119**, 104707, 1-15.
<https://doi.org/10.1016/j.cretres.2020.104707>
- Winterton, S. L., Califre Martins, C., Makarkin, V. N., Ardila Camacho, J. A. & Wang, Y. J. 2019. Lance lacewings of the world (Neuroptera: Archeosmylidae, Osmylidae, Saucrosmylidae): review of living and fossil genera. *Zootaxa*, 4581, 1-99.
- Wriedt, A.-L., Harvey, M.S., Hammel, J.U., Kotthoff, U. & Harms, D. 2021. The second chthonioid pseudoscorpion (Pseudoscorpiones: Chthoniidae) from mid-Cretaceous Burmese amber: a new genus with unique morphological features and potential Gondwanan affinities. *Journal of Arachnology*, **48**, 311–321.
<https://doi.org/10.1636/JoA-S-20-017>
- Wunderlich, J. 2021. Supplement, synonymy. *Beiträge zur Araneologie*, **14**, 193-194.
- Wunderlich, J & Müller, P. 2021. Description of new fossil spiders (Araneae) in Late (mid) Cretaceous Burmese (Kachin) amber with focus on the superfamilies Palpimanoidea and Deinopoidea and members of the RTA-clade, as well as remarks on palaeobehaviour, palaeofauna, taxonomy and phylogenetics. In Jörg Wunderlich (ed.). *Beiträge zur Araneologie*, **14**, 25–192, 195-262.
- Xin, Y., Jiang, T., Yao, Z. & Li, S. 2021. Three new species of the extinct spider genus *Furcembolus* (Araneae: Pacullidae) from Late Cretaceous Burmese amber. *Zootaxa*, **4984**(1), 258-273.
<https://doi.org/10.11646/zootaxa.4984.1.19>

- Yin, Z.-W. & Cai, C.-Y. 2021. A new Brachyglutini from mid-Cretaceous amber of northern Myanmar (Coleoptera: Staphylinidae: Pselaphinae). *Cretaceous Research*, **124**, 104807, 1-6. <https://doi.org/10.1016/j.cretres.2021.104807>
- Yin, Z.-W., Lü, L., Yamamoto, S., Thayer, M.K., Newton, A.F. & Cai, C.Y. 2020 (on-line). Dasycerine rove beetles: Cretaceous diversification, phylogeny and historical biogeography (Coleoptera: Staphylinidae: Dasycerinae). *Cladistics*, **37**(2), 185-210. <https://doi.org/10.1111/cla.12430>
- Yin, Z.-W., Zhao, Q.-H. & Cai, C.-Y. 2021. *Megabythinus* gen. nov., a new stem-group Pselaphinae from mid-Cretaceous Myanmar amber (Coleoptera, Staphylinidae). *Cretaceous Research*, **125**, 104879, 1-6. <https://doi.org/10.1016/j.cretres.2021.104879>
- Yu, T. & Neubauer, T.A. 2021. The oldest fossil Hydrocenidae found in mid-Cretaceous Burmese amber (Gastropoda: Cycloneritida). *Cretaceous Research*, **122**, 104765, 1-5. <https://doi.org/10.1016/j.cretres.2021.104765>
- Yu, T., Neubauer, T.A. & Jochum, A. 2021. First freshwater gastropod preserved in amber suggests long-distance dispersal during the Cretaceous Period. *Geological Magazine*, **158**(7), 1327-1334. <https://doi.org/10.1017/S0016756821000285>
- Yu, T., Salvador, R.B. & Jarzembowski, E.A. 2021. New terrestrial gastropods of Pupinidae and Diplommatinidae (Cyclophoroidea) from mid-Cretaceous Burmese amber. *Cretaceous Research*, **124**, 104828, 1-7. <https://doi.org/10.1016/j.cretres.2021.104828>
- Zheng, Y., Chen, J., Zhang, H. & Rasnitsyn, A.P. 2021. New angarosphecoid wasp (Hymenoptera: Apoidea, Angarosphecidae) from the mid-Cretaceous Burmese amber. *Cretaceous Research*, **121**, 104742, 1-7. <https://doi.org/10.1016/j.cretres.2020.104742>

In press (or published in June)

Anon. 2021. Fossilized ethics. *Nature Ecology & Evolution*, **5**, 703-704.

<https://doi.org/10.1038/s41559-021-01493-1>

Badano, D., Fratini, M., Maugeri, L., Palermo, F., Pieroni, N., Cedola, A., Haug, J.T., Weiterschan, T., Velten, J., Mei, M., Giulio, A.D. & Cerretti, P. 2021. X-ray microtomography and hylogenomics provide insights into the morphology and evolution of an enigmatic Mesozoic insect larva. *Systematic Entomology*, **46**, 672-684.

<https://doi.org/10.1111/syen.12482>

Barrett, P.M., Johanson, Z. & Long, S.L. 2021. Law, ethics, gems and fossils in Myanmar amber. *Nature Ecology & Evolution*, **5**, 708.

<https://doi.org/10.1038/s41559-021-01478-0>

Belokobyskij, S.A. & Jouault, C. (in press) Two new striking braconid genera (Hymenoptera: Braconidae) from the mid-Cretaceous Burmese amber. *Proceedings of the Geologists' Association*,

<https://doi.org/10.1016/j.pgeola.2021.04.003>

Bolet, A., Stanley, E.L., Daza, J.D., Arias, J.S., Čerňanský, A., Vidal-Garcia, M., Bauer, A.M., Bevirt, J.J., Peretti, A. & Evans, S.E. (in press). Unusual morphology in the mid-Cretaceous lizard *Oculudentavis*. *Current Biology*,

<https://doi.org/10.1016/j.cub.2021.05.040>

Chen, H.-y., Achterbeg, C. van & Hong, P. (in press) Two new genera of Protobraconinae (Hymenoptera, Braconidae) from mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*, **XX**, 104914,

<https://doi.org/10.1016/j.cretres.2021.104914>

Giłka, W., Zakrzewska, M., Lukashevich, E.D., Vorontsov, D.D., Soszyńska-Maj, A., Skibińska, K. & Cranston, P.S. 2021 (on-line). Wanted, tracked down and identified: Mesozoic non-biting midges of the subfamily Chironominae (Chironomidae, Diptera). *Zoological Journal of the Linnean Society*,

<https://doi.org/10.1093/zoolinnea/zlab020>

Jouault, C. & Legendre, F., Grandcolas, P. & Nel, A. 2021. Revising dating estimates and the antiquity of eusociality in termites using the fossilized birth–death process. *Systematic Entomology*, **46**(3), 592-610.

<https://doi.org/10.1111/syen.12477>

Jouault, C., Maréchal, A., Condamine, F., Wang, B., Nel, A., Legendre, F. & Perrichot, V. (in press) Including fossils in phylogeny: A glimpse into the evolution of the superfamily Evanioidea (Hymenoptera, Apocrita) under tip-dating and the fossilized birth-death process. *Zoological Journal of the Linnean Society*,

<https://dx.doi.org/10.1093/zoolinnea/zlab034>

- Jouault, C., Perrichot, V. & Nel, A. 2021. Taxonomic addition to the early diverged parasitic wasps (Hymenoptera: Orussoidea) from the mid-Cretaceous Burmese amber. *Proceedings of the Geologists' Association*, **132**(3), 324-331.
<https://doi.org/10.1016/j.pgeola.2021.02.002>
- Jouault, C., Yoshizawa, K., Hakim, M., Huang, D. & Nel, A. 2021 (on-line). New psocids (Psocodea: Prionoglarididae, Psyllipsocidae) from Cretaceous Burmese amber deposits. *Cretaceous Research*, **126**, 104890, 1-9.
<https://doi.org/10.1016/j.cretres.2021.104890>
- Luo, C., Beutel, R.G., Xu, C. & Jarzembowski, E.A. (in press) †*Laticephalana liuyani* gen. et sp. nov., a new bizarre roachoid of †Umenocoleidae (Insecta, Dictyoptera) from mid-Cretaceous Kachin amber. *Proceedings of the Geologists' Association*,
<https://doi.org/10.1016/j.pgeola.2021.04.004>
- Men, Q. & Podenas, S. (in press) A new genus of Limoniidae (Diptera: Tipuloidea) from the mid-Cretaceous Burmese amber. *Cretaceous Research*, **XX**, 104915,
<https://doi.org/10.1016/j.cretres.2021.104915>
- Qiao, D., Zhang, W., Zhang, X., Ren, D. & Yao, Y. (in press). New genus and species of Tettigarctidae (Hemiptera: Cicadomorpha: Cicadoidea) from the mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*, **XX**, 104900,
<https://doi.org/10.1016/j.cretres.2021.104900>
- Shi, C., Cai, H.-h., Jiang, R.-x., Wang, S., Engel, M.S., Yuan, J., Bai, M., Yang, D., Long, C.-l., Zhao, Z.-t., Zhang, D.-x., Zhang, X.-c., Peng, H., Wang, Y.-d. & Spicer, R.A. 2021. Balance scientific and ethical concerns to achieve a nuanced perspective on 'blood amber.' *Nature Ecology & Evolution*, **5**, 705-706.
<https://doi.org/10.1038/s41559-021-01479-z>
- Song, Z.-S., Zhang, C.-L., Xi, H.-Y., Szwedo, J. & Bourgoin, T. 2021. First record of adult Dorytocidae — *Dorytocus jiaxiaoe* Song, Szwedo & Bourgoin sp. nov. (Hemiptera: Fulgoromorpha: Fulgoroidea) from mid-Cretaceous Kachin amber. *Cretaceous Research*, **125**, 104863, 1-11.
<https://doi.org/10.1016/j.cretres.2021.104863>
- Souma, J., Yamamoto, S. & Takahashi, Y. (in press) A new species of the fossil lace bug genus *Burmacader* (Hemiptera: Heteroptera: Tingidae) from mid-Cretaceous Kachin amber from northern Myanmar. *Cretaceous Research*, **XX**, 104911,
<https://doi.org/10.1016/j.cretres.2021.104911>
- Thein, Z.-M.-M.- & Zaw, K. 2021. Parachute research is another ethical problem for Myanmar amber. *Nature Ecology & Evolution*, **5**, 707.
<https://doi.org/10.1038/s41559-021-01472-6>

Wang, J., Zhang, W., Shih, C. & Ren, D. 2021. Two new mid-Cretaceous caddisflies (Trichoptera, Philopotamidae) from amber of Northern Myanmar. *Cretaceous Research*, **125**, 104891, <https://doi.org/10.1016/j.cretres.2021.104891>

Xing, L., Liu, Y., McKellar, R.C., Luque, J., Li, G., Wang, Y., Yi, Q., Sun, R., Wang E. & Audo, D. (in press). The first shrimp preserved in mid-cretaceous Kachin amber: systematics, palaeoecology, and taphonomy. *Science Bulletin*, <https://doi.org/10.1016/j.scib.2021.05.008>