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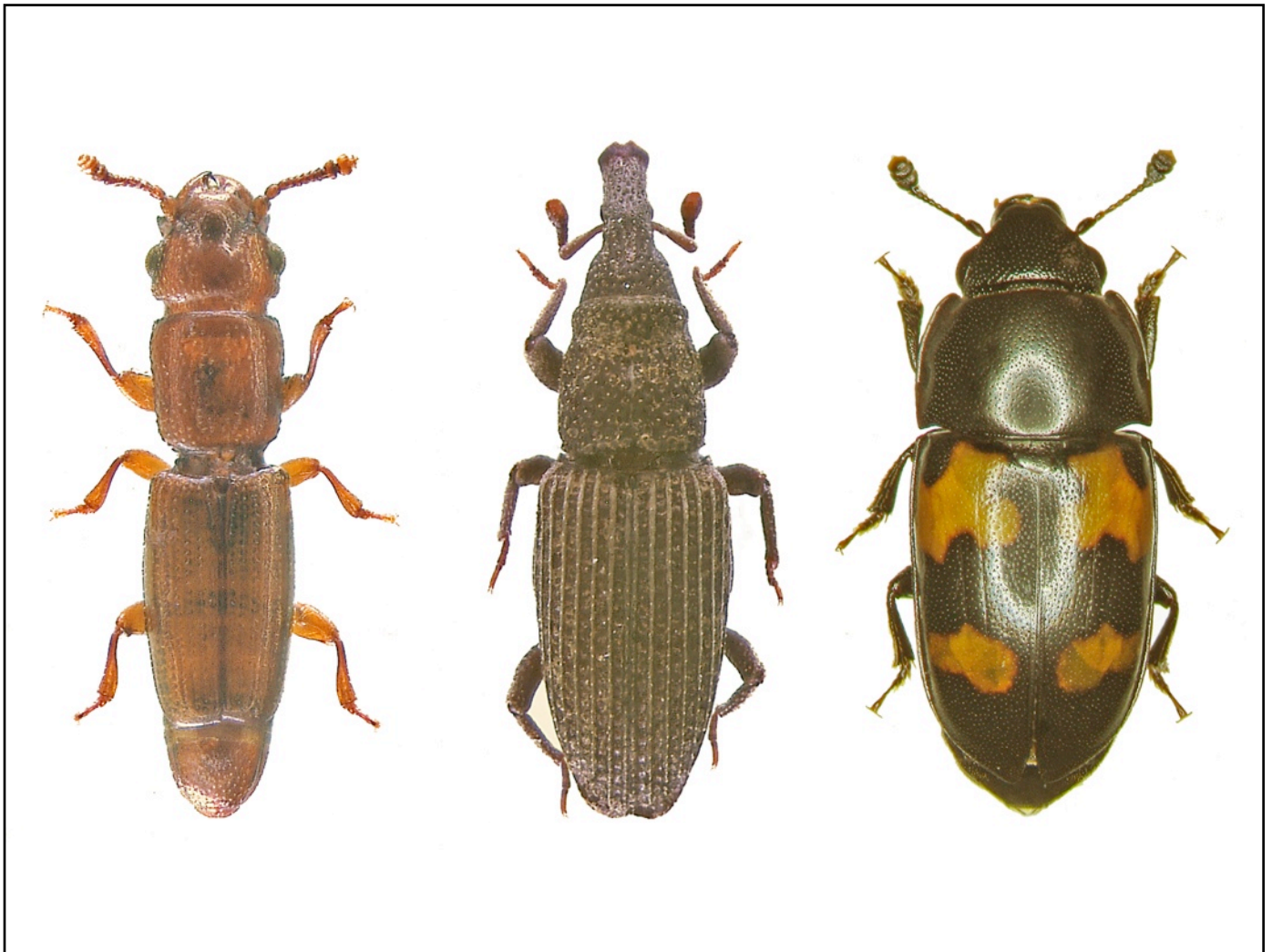
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First or new records of non-native beetles in France (Coleoptera: Bostrichidae, Carabidae, Dryophthoridae, Monotomidae, Nitidulidae, Tenebrionidae and Zopheridae)

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first reports;
new interceptions;
Europe;
France;
Corsica.

Abstract. – A detailed presentation of eight non-native beetle species for mainland France is made, including new interceptions or first records in this country. *Dryophthorus americanus* (Bedel, 1885) (Dryophthoridae), *Glischrochilus fasciatus* (A. G. Olivier, 1790) (Nitidulidae), *Neoisocerus ferrugineus* (Fabricius, 1798) (Tenebrionidae), *Stenolophus (Egadroma) quinquepustulatus* (Wiedemann, 1823) (Carabidae), *Xyloperthodes nitidipennis* (Murray, 1867) (Bostrichidae), as well as an undetermined species belonging to the genus *Europs* (Monotomidae), are reported for the first time in France. *D. americanus*, *S. quinquepustulatus* and *Europs* sp. were also observed for the first time on the European continent. Photographs of specimens of all these species coming from France are presented, and an illustrated key is provided to separate the American species *Dryophthorus americanus* (Bedel, 1885) from its European counterpart *D. corticalis* (Paykull, 1792).

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Introduction

Biological invasions are considered among the main threats to biodiversity and causing many negative impacts on forest and agro-ecosystems (Pimentel et al., 2005; Kenis & Branco 2010). For example, Ichter et al. (2024) estimate that all invasive alien species (EES) currently represent in France 12% of proven threats to ecosystems, behind changes to natural environments (44%) and pollution (22%) or urbanization (20%). However, their relative ranking of biodiversity threats depends on local context and metrics used (Bellard et al., 2022).

Correlated with the rise of international trade, the number of alien insects tend to increase exponentially in the world since 1950 (Seebens et al., 2017). Amongst European countries, France has one

of the highest numbers of intercepted, adventive or established non-native Coleoptera (Beneen & Roques, 2010; Barnouin et al., 2020; Cocquemot & Lindelöw, 2010; Denux & Zagatti 2010; Kirkendall & Faccoli, 2010; Rassati et al., 2016; Roy & Migeon, 2010; Sauvard et al., 2010). For 15 years, many first records of non-native beetle species were reported in France (e.g. Allemand, 2009; Alonso & Levebvre, 2022; Barnouin et al., 2021; Baumgart & Callot, 2010; Chapelin-Viscardi et al., 2018; Chapin et al., 2016; Cocquemot et al., 2019; Cocquemot & Gattus, 2013; Ferrand, 2016; Fritzsche & Delobel, 2012; Gay, 2023; Haran et al., 2019; Huchet & Labatut, 2022; Jelínek et al., 2016; Koken et al., 2022; Lagarde & Noblecourt, 2018; Lemaire & Raffaldi, 2014; Lessieur, 2021; Martin & Leraut, 2019; Maudet & Cherpitel, 2019; Mouttet et al., 2016, 2017, 2020; Nageleisen et al., 2015; Saurat et al., 2023; Secq & Secq, 2017, 2018; Soldati et al., 2018, 2019; Thieren et al., 2014; Van Meer & Artéro, 2022; Van Meer

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& Cocquemot, 2013). Additionally, some main works on the whole alien Coleoptera (Aberlenc et al., 2024), ambrosia and bark beetles (Barnouin et al., 2020), Bostrichidae (Brustel & Aberlenc, 2014) and Tenebrionidae (Soldati & Soldati, 2014) were published.

In the perspective of an increasingly globalized world in which goods and people move at an ever-increasing speed, maintaining a high level of attention towards non-native and invasive species is fundamental (Ruzzier et al., 2023). The high number of alien species reports in France over the past 15 years has led to the strengthening of surveillance of international port and airport areas, the main points-of-entry, as well as to the deployment of a specific monitoring program for the survey of these new invaders (Daubrée, 2016; Fan et al., 2019; Roques & Auger-Rozenberg, 2023).

The aim of this work is to share faunistic data and to deal with eight France non-native beetles, including new interceptions or first reports in France or Europe.

Material & methods

Sampling methods

Data on the species come from different projects or field research. The main project, followed since 2014, is intended to test traps baited with generic lures consisting of a multipheromone blend of cerambycids implemented with plant volatiles (ethanol and α -pinene) for the early detection of new introductions of exotic xylophagous insects within the French port and airport areas (Fan et al. 2019; Roques & Auger-Rozenberg, 2023; Roques et al., 2023) and concern four species in this work. Another species was captured with Crosstrap® traps baited with Galloprotect pack® as part of the national Pinewood Nematode monitoring plan (Benistand-Hector et al., 2020). Two species were captured in part by Polytrap™ windows traps baited with 20 % ethanol.

Finally, six species were totally or partly captured by hand collecting (under pieces of wood, in packaging, under bark, in sawdust, in bark beetle galleries, etc.).

Examined collections and specimen depositories

All specimens belonging to the species treated in this work are deposited in the institutional or private collections below. For each species, data are arranged by French department order and presented as follows: municipality, location, geolocation (if available), date of observation (day, month in Roman numerals, year), collecting method, number of collected individuals and collectors. The acronyms of the collections where the specimens were deposited are indicated in brackets. That said, due to the large number of data and the variability of collecting methods for the not yet identified *Europs* species, this formalism has not been fully respected for this taxon but rather formalized in the remarks.

ANSES, Laboratoire de la Santé des Végétaux (Montferrier-sur-Lez, France) (ANSES)

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Preparation of specimens and illustrations

The photographed specimens were prepared as much as possible with particular care, immersed in a solution containing 95% water and 5% detergent (e.g. dishwashing detergent) for several hours then cleaned with a fine brush and rinsed thoroughly with water. The photographs of species whose size is less than 5 mm, or of morphological details, were taken on the technical image acquisition

platform of the ONF National Forest entomology laboratory (LNEF-ONF) with the Entovision multifocus system. The construction of clear images from multifocal stacks (focus stacking) was carried out with the Cartograph software from Microvision instruments (Evry, France). Specimens with a total length greater than or equal to 5 mm were taken with a Sony DSC-W7 digital camera mounted on a Wild M5 stereomicroscope and the focal planes were assembled with Combine ZP software (www.hadleyweb.pwp.blueyonder.co.uk). The infographic work was carried out with Adobe Photoshop CC 2018 software.

Results

Bitoma siccana (Pascoe, 1863) (Zopheridae)

(Fig. 1A)

France

– **Corsica**, Bastia, in the harbour, 42.70509°, 9.454747°, 02.X.2023, Lindgren funnel trap baited with a multipheromone blend of cerambycids implemented with plant volatiles, 1 ex., INRAE-URZF leg. (LNEF-ONF).

– **Calvados**, Blainville-sur-Orne, 18.IV.2024, 4 ex., Iroko log from the Democratic Republic of Congo, FREDON Normandie leg. (ANSES). There are the third and fourth reports in France and only the second in Corsica, where the species is perhaps naturalized, having been collected in 2023 in the fungus *Inonotus dryadeus* in a cork grove in Zonza, Sainte-Lucie-de-Porto-Vecchio (Vincent et al., 2023) and having also been found in southern Sardinia under the bark of *Eucalyptus camaldulensis* (Cillo & Bazzato, 2011).

Status in France. – Possibly established in Corsica; only intercepted in mainland France.

Geographical distribution. – Native to the tropical areas of the Old World, this species occupies a large part of Asia and the Oriental, Australian and Afrotropical regions. It is also reported from Algeria, Egypt, and Yemen, and has even been introduced to the United States, Central America and some Caribbean islands (Dajoz, 1977; Mifsud et al., 2020; Schuh, 2020). Hence, we can now consider it as a cosmopolitan. In Europe, it was only known from the ports of Venice (Italy) and La Rochelle (France), Corsica, Sardinia and Malta, as well as the extreme south of Spain, between Almería and Málaga (Mifsud et al., 2020; Vincent et al., 2023).

Remarks. – The species is found under the bark of dead trees and in fungi where it would be predatory. It does not present any economic risks but a competition with native saproxylophagous relatives may occur.

Dryophthorus americanus (Bedel, 1885) (Dryophthoridae)

(Fig. 2A, C, E)

France

– **Gironde**, Biganos, 44.63052°, -0.97618°, 28.VI.2023, Lindgren funnel trap baited with a multipheromone blend of cerambycids implemented with plant volatiles, 2 ex., INRAE-URZF leg. (LNEF-ONF). La Teste-de-Buch, state forest, 44.50538°, -1.20122°, 13.VI.2023, Polytrap™ baited with ethanol, 1 ex., LNEF-ONF (LNEF-ONF).

– **Pyrénées-Atlantiques**, Pontacq, 43.20157°, -0.08097°, 22.VI.2023, Crosstrap® baited with Galloprotect pack®, 2 ex., DSF leg. (LNEF-ONF). New country record for France and first report in Europe.

Status in France. – Possibly established.

Geographical distribution. – The only representative of the genus in North America, particularly common in dead pine wood, widely distributed in the United States (O'Brian, 1997),

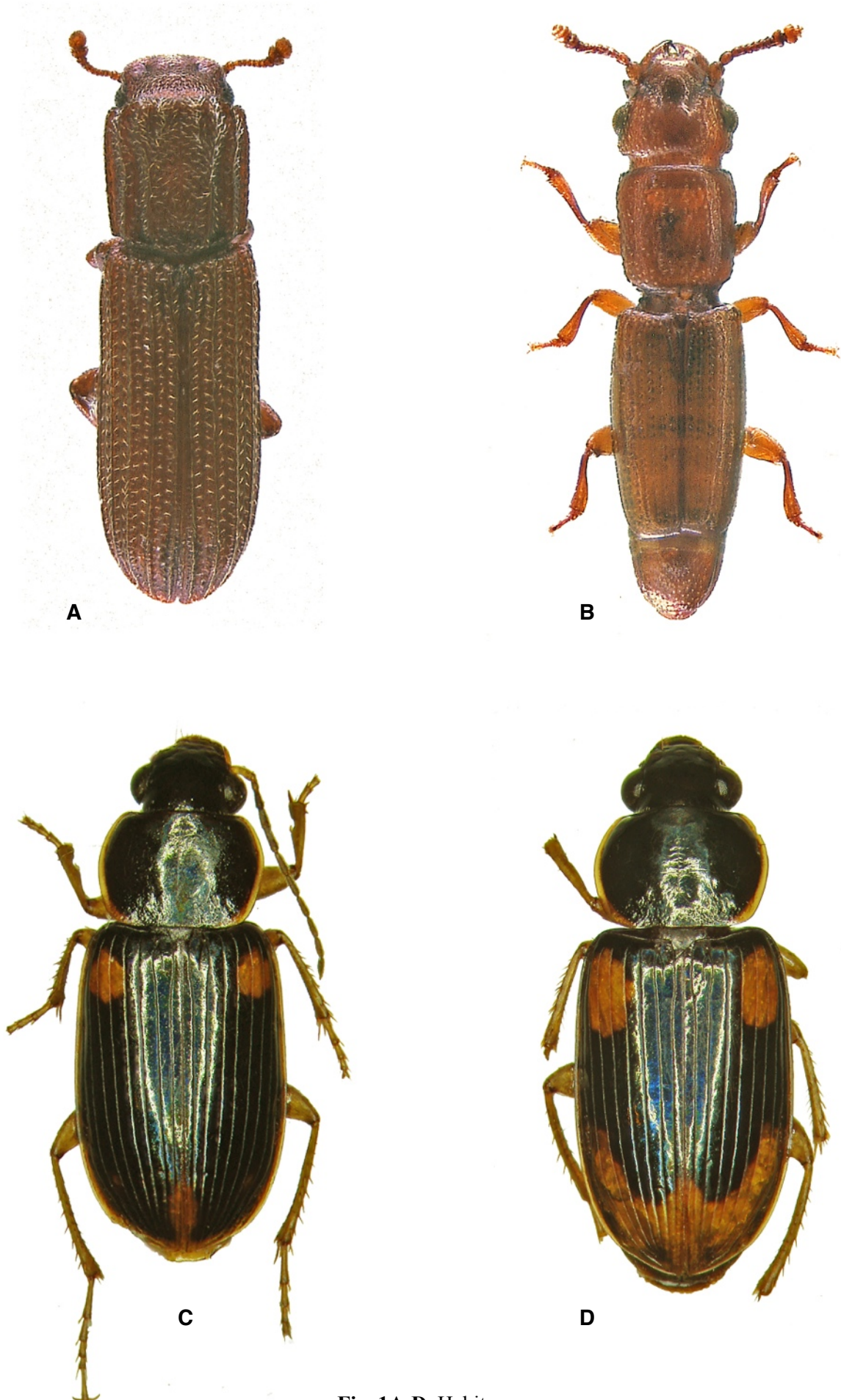


Fig. 1A-D. Habitus.

A. *Bitoma sicca* (Pascoe, 1863) (2.7 mm). B. *Europs* sp. (2.7 mm). C-D. *Stenolophus* (*Egadroma*) *quinquepustulatus* (Wiedemann, 1823) (5.6 and 6.3 mm).

mainly in the eastern part (GBIF, 2024a). Not reported in Europe and the whole Palearctic region (Lyal, 2011).

Remarks. – Adults are found under the bark of old decayed trunks or in forest litter (Anderson, 2002). This species, as well as a fairly wide range of other saproxylic beetles, could very occasionally carry the pathogenic fungus *Geosmithia morbida*, cause of thousand cankers disease on Black Walnut (Moore et al., 2019). However, according to these latter authors, only *Pityophthorus juglandis* Blackman, 1928 (Coleoptera, Scolytinae) is currently able of inoculating the disease. Further investigations must be carried out to prove that other potentially carrier species can really play the role of vectors. Consequently, *D. americanus* does not normally present any economic risk. However, a competition with native saproxylophagous relatives may occur, in particular with its Palearctic vicariant *D. corticalis* (Paykull, 1792), with which it was collected in the forest of La Teste.

We can easily separate *Dryophthorus americanus* from the European species *D. corticalis* with the following key:

- 1(2) Larger on average (3.4-4.1 mm); elytra quite elongated, widened at the base but moderately narrowed posteriorly, mucronate at the apex, the mucro having a clearly raised lateral edge (Fig. 2B, F); suture and 3rd interstria no more prominent on the elytral declivity than other interstriae, apex of elytra concave (Fig. 2F); fine, sharp interstriae on the disc, clearly narrower than striae (Fig. 2B, D) *corticalis*
- 2(1) Smaller on average (3.0-3.7 mm); elytra quite short, strongly enlarged at the base and quite abruptly narrowed posteriorly, without any mucro and without clearly raised lateral edge at the apex (Fig. 2A, E); suture and 3rd interstria very prominent on the elytral declivity, costiform, apex of elytra convex (Fig. 2E); interstriae wider and flattened on the disc, barely narrower than striae (Fig. 2A, C) *americanus*

Europs sp. (Monotomidae)

(Fig. 1B)

France

– **Pyrénées-Atlantiques**, Saint-Jean-de-Luz, quartier Kechilooa, 43.40325°, -1.63863°, 01.VI.2020, 4 ex., C. Van Meer. *Idem*, 21.VIII.2020, 1 ex., C. Van Meer. *Idem*, 01.VII.2021, 1 ex., C. Van Meer. *Idem*, 08.VII.2021, 1 ex., C. Van Meer. *Idem*, 30.VII.2021, 3 ex., C. Van Meer. *Idem*, 10.IX.2021, 1 ex., C. Van Meer. *Idem*, 06.V.2023, 1 ex., C. Van Meer. *Idem*, 9.V.2023, 8 ex., C. Van Meer. *Idem*, 16.V.2023, 4 ex., C. Van Meer. *Idem*, 31.V.2023, 8 ex., C. Van Meer. *Idem*, 7.VI.2023, 1 ex., C. Van Meer. *Idem*, 14.VI.2023, 5 ex., C. Van Meer. *Idem*, 01.VII.2023, 1 ex., C. Van Meer. *Idem*, 14.VII.2023, 2 ex., C. Van Meer. *Idem*, 21.VII.2023, 1 ex., C. Van Meer. *Idem*, 16.VIII.2023, 9 ex., C. Van Meer. *Idem*, 25.VIII.2023, 5 ex., C. Van Meer. *Idem*, 16.IX.2023, 3 ex., C. Van Meer. *Idem*, 27.IX.2023, 4 ex., C. Van Meer. *Idem*, 31.I.2024, 2 ex., C. Van Meer. *Idem*, 05.IV.2024, 2 ex., C. Van Meer. *Idem*, 10.IV.2024, 40 ex., C. Van Meer. Most of the specimens (CVM), other specimens (LNEF-ONF). The genus *Europs* Wollaston, 1854 is new for France and for the European continent, despite its name.

Status in France. – Established.

Geographical distribution. – About 50 species of *Europs* exist in the world (V. Alekseev, pers. comm.) including 32 in the New World (MonotomidGen, 2024) and only 6 species in the very large Palearctic region, with an enigmatic distribution: Canary Islands and Madeira (2), India (2), Far East and Japan (2) (Jelinek, 2007). Most live in the tropics. As we do not yet

know the identity of the species reported in France, we cannot detail its geographical distribution.

Remarks. – All these observations took place from June 1, 2020, to April 10, 2024, i.e. over almost 4 years, totaling 107 individuals observed. Most were caught with PolytrapTM interception traps baited with ethanol, but 15 ex. were found by hand collecting, under *Hibiscus* bark, in the sawdust of maple stumps (*Acer* sp.), in ivy (*Hedera helix*) and under the bark of *Laurus nobilis*. They were found in association with or inside the galleries of the following main bark beetles: *Xyleborus saxesenii* (Ratzeburg, 1837), *Xylosandrus germanus* (Blandford, 1894), *Hypothenemus eruditus* Westwood, 1836 and *Kissophagus vicinus* (Comolli, 1837). Also, we can consider this species as naturalized in France and it is perhaps a commensal cleaner or a predator of bark beetle eggs, larvae, and pupae. Adults of this species are mainly active between April and September. Note in the area the proximity of a botanical garden, as well as properties or small areas in a natural state where many exotic plant species from the Americas and Asia have been introduced, favored by the mild and very humid climate on the Basque Coast. The presence of a harbour in Bayonne, an airport in Biarritz, the highway linking France to Spain and Portugal, a high-speed rail line and large garden centers also provide access to facilitate new arrivals and the installation of numerous exotic beetles (Soldati et al., 2024).

Ecology of *Europs* is poorly known. While most have been observed under the bark of the trees, many species are associated with flowers and can be important pollinators in tropical areas (MonotomidGen, 2024; Morales et al., 2020).

Identification of *Europs* is not easy, often relying on old, short original descriptions lacking illustrations because the genus has never been fully revised (Bousquet, 2003). The species now established in France does not correspond to the less far to Europe relatives, from the Canary Islands and Madeira (Palm, 1975). Moreover, it does not correspond to a North American (Bousquet, 2003) or Korean species (Lee et al., 2020) either. Thus, it cannot be ruled out that this species, probably of tropical origin, could be new to science. From photos initially sent to world-renowned specialists, the identification could not go further than the genus level (V. Alekseev & T. McElrath, pers. comm.).

Glischrochilus fasciatus (A. G. Olivier, 1790) (Nitidulidae)

(Fig. 3C)

France

– **Seine-Maritime**, Le Havre, 17.V.2024, on wood of *Juglans nigra* imported from Canada, 3 ex., PEC76 leg. (ANSES, LNEF-ONF). First report of this species in France.

Status in France. – Only intercepted.

Geographical distribution. – Widely distributed in the United States, mainly in the eastern part (GBIF, 2024b), from Maine south to Florida, west through Missouri, Kansas, Iowa to Oregon, and in New Mexico (Majka et al., 2008). Also, in Canada, reported from British Columbia, Manitoba, Ontario, Quebec, New Brunswick, Nova Scotia, and Prince Edward Island (Reed et al., 2023). Introduced in Europe since 1992 in Austria, Finland, Germany, Slovenia, and Switzerland (Jelinek et al., 2016), it does not yet appear to have been established.

Remarks. – This species is common on fungi, flowers, decaying or ripe fruits (Downie & Arnett, 1996) and is associated with oak wilt fungus mats (Cease & Juzwik, 2001). Price & Young (2006) found it associated with oak (*Quercus*), poplar (*Populus*), and butternut (*Juglans cinerea*).

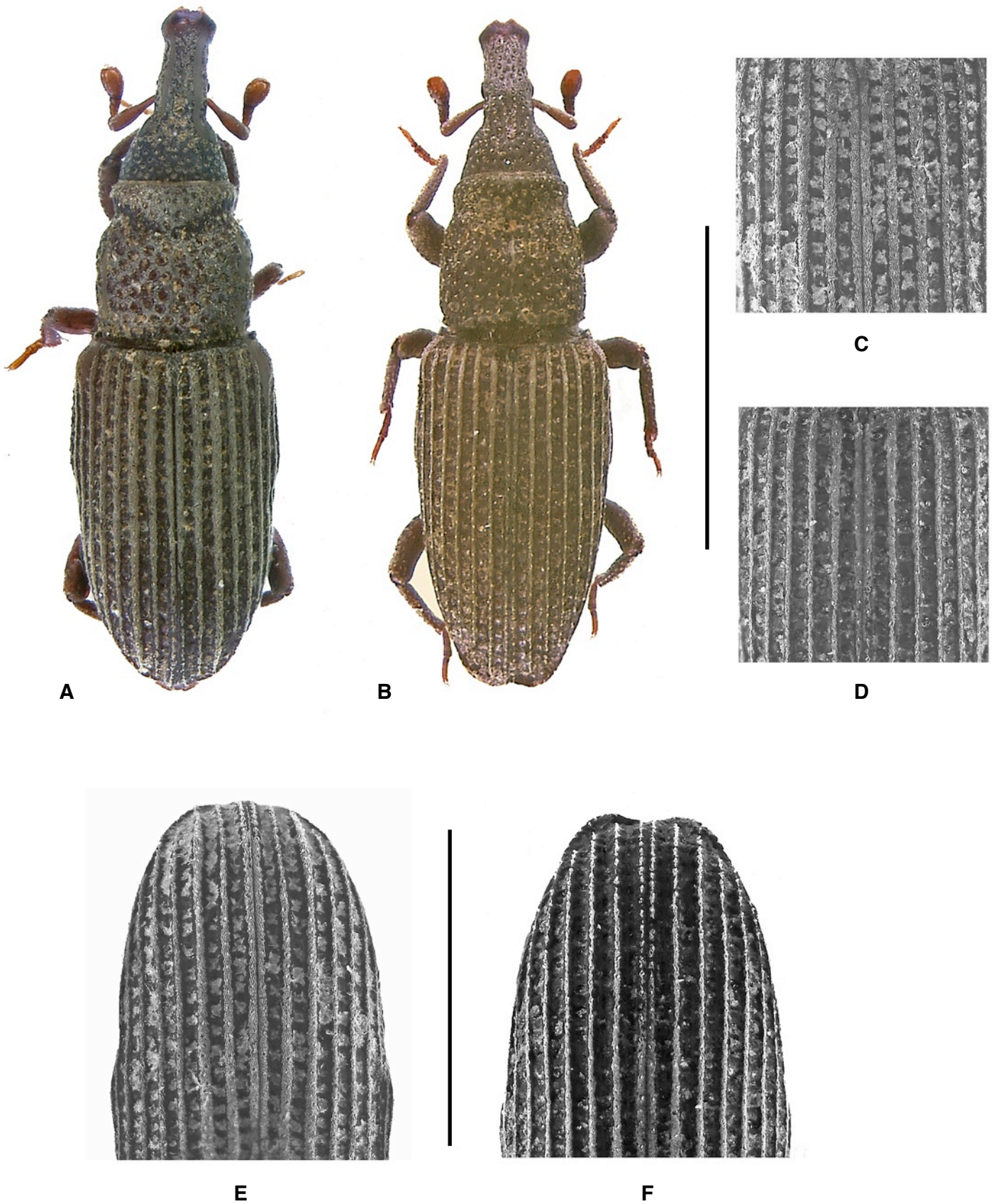


Fig. 2A-F. *Dryophthorus* spp.

A-B. Habitus. **A.** *Dryophthorus americanus* (Bedel, 1885) (3.1 mm). **B.** *D. corticalis* (Paykull, 1792) (3.6 mm). **C-D.** Disc of elytra, detail. **C.** *D. americanus*. **D.** *D. corticalis*. **E-F.** Back of elytra. **E.** *D. americanus*. **F.** *D. corticalis*. Scale bars: 1.0 mm.

Neoisocerus ferrugineus (Fabricius, 1798)
(= *purpurascens* Herbst, 1799) (Tenebrionidae)
(Fig. 3D)

France

– **Gironde**, Lacanau, Lacanau-Océan, 45.00703°, -1.20114°, 22.VI.2023, under a piece of wood in coastal dunes, 1 ex., Sylvain Bonifait leg. (FS). First report of this species in France.

Status in France. – Only intercepted.

Geographical distribution. – Atlantic coastline of Spain and Portugal, from the strait of Gibraltar to Galicia (Español, 1956; Novoa et al., 2009) and Mediterranean coastline of Morocco, between Tangier and Melilla (Kocher, 1958).

Remarks. – The single individual was found dead under a piece of wood, in coastal dunes managed by protection and cleaning interventions, in a habitat which coincides with that of this strictly psammo-halophilous species. Indeed, it is mainly found on the first dunes and the tops of the beaches, and not behind the dunes (Leo & Fancello, 2019). One of the authors (FS) also observed it several times, at night, in the coastal dunes with *Ammophila arenaria* of southern Portugal, moving on the sand in search of plant remnants on which it feeds. The individual observed at Lacanau is either the result of an accidental introduction, e.g. by tourists, of which there are many in this seaside resort, by horticultural or ecological engineering plantations, or a shipwreck coming from Galicia, for example, and transported by sea currents. It would be interesting to check in the future whether this species could not settle locally on a portion of the Gironde coastline.

Sinoxylon unidentatum (Fabricius, 1801) (Bostrichidae)
(Fig. 3A)

France

– **Bouches-du-Rhône**, Marseille, 15.XII.2014, on wood packaging material imported from Indonesia, 6 ex., PEC13 leg. (ANSES). *Idem*, 28.IX.2015, on wood packaging material imported from Vietnam, 1 ex., PEC13 leg. (ANSES). *Idem*, 28.X.2021, on wood packaging material imported from India, 9 ex., PEC13 leg. (ANSES). *Idem*, 18.IX.2023, on wood packaging material imported from India, 3 ex., PEC13 leg. (ANSES).

– **Oise**, Clermont, 09.VII.2020, on wood packaging material from Asia, 2 ex., SRAL Hauts-de-France leg. (ANSES).

– **Seine-Maritime**, Le Havre, in the harbour, N 49.48070°, E 0.14384°, 11.IX.2023, Lindgren funnel trap baited with a multipheromone blend of cerambycids implemented with plant volatiles, 1 ex., INRAE-URZF leg. (LNEF-ONF). *Idem*, 08.VIII.2014, on wood packaging material imported from Sri Lanka, 1 ex., PEC76 leg. (ANSES). Since its first finding in Mions (**Rhône**), on January 29, 2014, by the SRAL Rhône-Alpes in pallet wood coming from Indonesia (Brustel & Aberlenc, 2014), this species is now regularly intercepted in France.

Status in France. – Only intercepted.

Geographical distribution. – Native to tropical and subtropical areas of Asia, it was introduced to Europe in France, Germany, Great Britain, Greece, Italy, Malta, Poland, Russia, Spain, Switzerland and Ukraine (Borowski, 2007; Brustel & Aberlenc, 2014; Chittaro & Sanchez, 2019; Lykidis et al., 2016; Nardi & Mifsud, 2015; Ruzzier et al., 2023; Savoldelli & Regalin, 2009) where it does not seem to have established. It was also introduced in tropical and subtropical areas of Africa, Oceania, and the Americas where it appears established (Wilstermann & Schrader, 2019). It is also considered introduced to Japan (Iwata & Nakano, 2006). In that respect, this species has become cosmopolitan.

Remarks. – This species presents a low phytosanitary risk in Europe where it does not yet appear to have been established. However, in Ukraine and Moldova it is on the list of quarantine pests (Wilstermann & Schrader, 2019). In Italy, it was able to do its complete cycle in buildings and cause notable damage to all the pallet wood stocked (Savoldelli & Regalin, 2009). It is polyphagous and infests the sap wood of dry dead/felled trees including wooden packaging. Due to its low damage potential for living plants, *S. unidentatum* does not pose any phytosanitary risk for EU Member States (Wilstermann & Schrader, 2019). This species is mainly introduced into Europe with packaging, pallet, or construction wood. If the damage does not concern living trees, it can sometimes be significant on timber and wooden objects, sometimes cultural (Lykidis et al., 2016).

Stenolophus (Egadroma) quinquepustulatus (Wiedemann, 1823)
(Carabidae)
(Fig. 1C, D)

France

– **Calvados**, Thaon, 49.25422°, -0.45388°, 14.XII.2021, 3 ex., S. Etienne (LNEF-ONF, SE). This is the first report of this seed corn beetle in France and Europe.

Status in France. – Only intercepted.

Geographical distribution. – Widely distributed in the Oriental region, the south-eastern portion of the Palearctic region (China, India, Nepal, Pakistan), Japan and northern parts of the Australian region (Jaeger & Ahmed, 2017; Jaeger & Kataev, 2003).

Remarks. – Three specimens of this species were found dead in a box of clothing from China, in a private home. Like its congeners, often auxiliary predators of crops, *S. quinquepustulatus* is present in cultivated areas and is even described as an enemy of Lepidoptera (probably caterpillars) in the List of insect species conserved and developed for agricultural production of an FAO report concerning Vietnam (FAO, 2014). It is subject to strong variability in the size, presence, and shape of the elytral maculae, already visible among the only 3 intercepted individuals (Fig. 1C, D).

Xyloperthodes nitidipennis (Murray, 1867) (Bostrichidae)
(Fig. 3B)

France

– **Bouches-du-Rhône**, Marseille, 30.VIII.2006, on wood packaging material imported from Ivory Coast, 1 ex., PEC13 leg. (ANSES).

– **Charente-Maritime**, La Rochelle, in the harbour, 46.16530°, -1.21521°, 01.VIII.2023, Lindgren funnel trap baited with a multipheromone blend of cerambycids implemented with plant volatiles, 1 ex., INRAE-URZF leg. (LNEF-ONF). These are the first interception records of this species in France.

Status in France. – Only intercepted.

Geographical distribution. – Native from sub-Saharan tropical Africa, this species was introduced to Europe, in Great Britain and Germany (Borowski, 2007, 2021). In Italy, it was reported for the first time in 1999-2000, at the port of Venice, introduced with wood from Cameroon (Ratti, 2004), not cited by Borowski (2007, 2021).

Remarks. – This species grows in the sapwood of various tropical forest tree species but is also reported to be able of infesting cassava chips (Delobel & Tran, 1993). It is also considered one of the most dangerous beetles for depreciating and altering timber (Lesne, 1924). Indeed, this insect attacks plywood and other

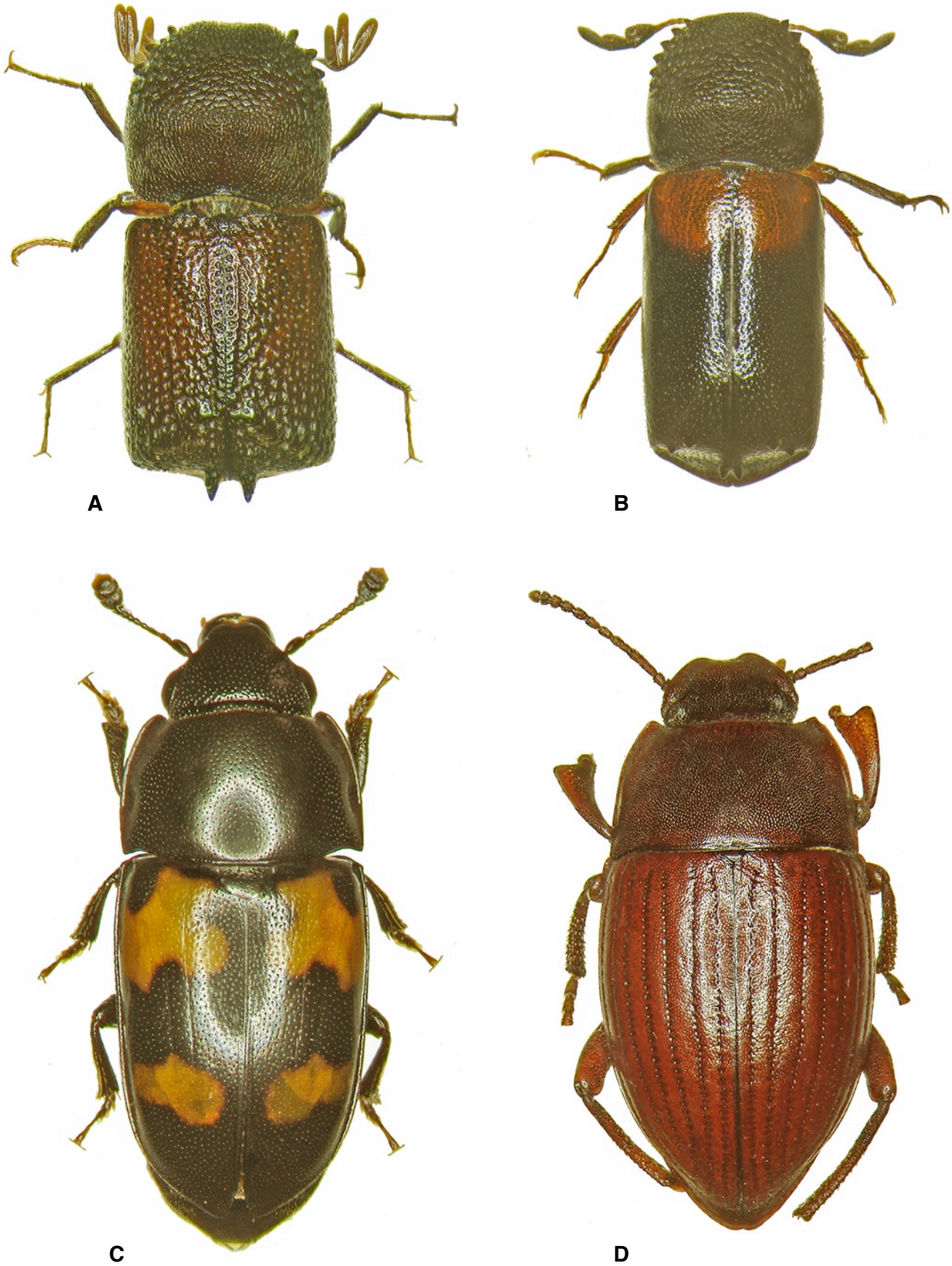


Fig. 3A-D. Habitus.

A. *Sinoxylon unidentatum* (Fabricius, 1801) (5.3 mm). B. *Xyloperthodes nitidipennis* (Murray, 1867) (5.0 mm).
C. *Glischrochilus fasciatus* (A. G. Olivier, 1790) (6.6 mm). D. *Neoisocerus ferrugineus* (Fabricius, 1798) (8.5 mm).

wooden furniture made from Fromager (*Ceiba pentandra*) Koto (*Pterygota macrocarpa*) and Samba (*Triplochiton scleroxylon*) with spectacular damage (Doumbia & Kra Kouadio, 2009). It also attacks many African sapwood species such as Iroko (*Milicia excelsa*) or Fraké (*Terminalia superba*). The insect is the cause of the collapse of frames and wooden houses made with Samba wood, which is the cheapest tree species on the market in Africa (Doumbia & Kra Kouadio, 2009).

Discussion

France is a territory particularly favourable for the arrival and establishment of new invasive beetles due to its large surface area, the variety of climatic conditions, the many international ports and airports (Barnouin et al., 2020), its geographical location in Europe and its extensive motorway network. It should be noted that many species of beetles recently introduced into France have become established and are even expanding. Their list would be too long to establish here but some such as *Scyphophorus acupunctatus* Gyllenhal, 1838 (Dryophthoridae), *Xylosandrus compactus* (Eichhoff, 1875), *X. crassiusculus* (Motschulsky, 1866) (Curculionidae Scolytinae) and *Xylotrechus chinensis* (Chevrolat, 1842) (Cerambycidae) spread fairly quickly from several points-of-entry (Aberlenc et al., 2024; Barnouin et al., 2020; Soldati et al., 2024).

The number of new introduced species continues to grow in most European countries, due to increasingly intensive international trade (Seebens et al. 2017). In France, several very recently introduced beetles, mainly bark beetles, have not yet been officially published, for example: *Cyclorhipidion pelliculosum* (Eichhoff, 1878), *Monarthrum mali* (Fitch, 1855) or *Xyleborus volvulus* (Fabricius, 1775).

As part of this work, the treated species were detected for the first time or newly discovered in areas with high potential for introductions in France. It is not so surprising that concerns Corsica, port area of Bastia; Calvados and Seine-Maritime departments, with the port of Le Havre as the main source of introduction; Bouches-du-Rhône department, with the port of Marseille; Gironde department, with the port area of Bordeaux as the main point-of-entry; Pyrénées-Atlantiques department, with numerous sources of introductions including the port of Bayonne; finally, the Charente-Maritime department with the port of La Rochelle.

If seven species among the eight treated were captured by active research methods, four were contacted as part of the SORE project dedicated to test traps baited with generic lures for the early detection of new introductions of exotic xylophagous insects within the French port and airport areas (Fan et al. 2019; Roques & Auger-Rozenberg, 2023; Roques et al., 2023).

The implementation of early detection programs deserves to be continued and should be strengthened. Therefore, it is essential for an effective surveillance of the national territory that new detections are reported quickly to the national phytosanitary services (ANSES), so that specific eradication or containment measures can be implemented as soon as possible in case of possible damage and infestation risks when the detected species are considered as pests.

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References

- Aberlenc H. P., Barnouin T., Brustel H., Cocquempot C., Mouttet R. & Valladarès L., 2024. – Espèces interceptées, introduites et invasives (mars 2024), p. 54-75. In: Tronquet M. (ed), *Catalogue des Coléoptères de France*. Edition actualisée en temps réel. Perpignan, Association roussillonnaise d'entomologie, 861 p. Available from : www.f-a-r-f.fr (accessed 23 April 2024).
- Allemand R., 2009. – Observation de *Semanotus ruscicus* (F.) dans la région lyonnaise (Coleoptera Cerambycidae). *L'Entomologiste*, 65 (3): 199.
- Alonso C. & Lefebvre V., 2022. – Découverte en France continentale et en Corse de *Monoxia obesula* Blake, 1939 (Coleoptera Chrysomelidae Galerucinae). *L'Entomologiste*, 78 (1): 29-32.
- Anderson R. S., 2002. – Family 131. Curculionidae, p. 722-815. In: Arnett R. H., jr, Thomas M. C., Skelley P. E. & Frank J. H. (eds.), *American Beetles, Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea*. CRC Press, Boca Raton-London-New York, 861 p.
- Barnouin T., Bourdonné A., Etienne S., Madary J., Micas L., Soldati F., Van Meer C., Perez C. & Ponel P., 2021. – Sur quelques Coléoptères saproxyliques remarquables ou nouveaux pour la France métropolitaine. *L'Entomologiste*, 77 (5): 303-318.
- Barnouin T., Soldati F., Roques A., Faccoli M., Kirkendall L. R., Mouttet R., Daubrée J.-B., & Noblecourt T., 2020. – Bark beetles and pinhole borers recently or newly introduced to France (Coleoptera: Curculionidae, Scolytinae and Platypodinae). *Zootaxa*, 4877 (1): 51-74. <https://doi.org/10.11646/zootaxa.4877.1.2>
- Baumgart G. & Callot H., 2010. – *Gonioctena fornicata* Bruggemann 1873, espèce probablement nouvelle pour la faune de France et présente en Alsace (Coleoptera Chrysomelidae Chrysomelinae). *L'Entomologiste*, 66 (3): 175-176.
- Beneen R. & Roques A., 2010. – Leaf and Seed Beetles (Coleoptera, Chrysomelidae). *BioRisk*, 4 (1): 267-292. <https://doi.org/10.3897/biorisk.4.52>
- Bellard C., Marino C. & Courchamp F., 2022. – Ranking threats to biodiversity and why it doesn't matter. *Nature communications*, 13, n°2616. <https://doi.org/10.1038/s41467-022-30339-y>
- Benistand-Hector L., Goudet M. & Kersaudy E., 2020. – Analyse du réseau de suivi du vecteur du nématode du pin : le *Monochamus galloprovincialis*. Département de la santé des forêts, DGAL / SDQSPV, 7 p. Available from : www.agriculture.gouv.fr (accessed 25 April 2024).

- Borowski J., 2007. – Family Bostrichidae Latreille, 1802, p. 320-328. In: Löbl I. & Smetana A. (eds.), *Catalogue of Palaearctic Coleoptera, Volume 4: Elateroidea, Derodontoidea, Bostrichoidea, Lymexyloidea, Cleroidea, Cucujoidea*. Apollo Books, Stenstrup, 935 p. <https://doi.org/10.1163/9789004260894>
- Borowski T., 2021. – World Inventory of Beetles of the Family Bostrichidae (Coleoptera). Part 2. Check List from 1758 to 2007. *World News of Natural Sciences*, 36: 9-41.
- Bousquet Y., 2003. – Review of the genus *Europs* Wollaston (Coleoptera: Monotomidae) of America, north of Mexico. *Pan-Pacific Entomologist*, 79: 11-22.
- Brustel H. & Aberlenc H.-P., 2014. – Les Bostrichidae Latreille, 1802 de la faune de France : espèces autochtones, interceptées, introduites ou susceptibles de l'être (Coleoptera). *Revue de l'Association Roussillonaise d'Entomologie*, 23 (2): 65-68.
- Cease K. R. & Juzwik J., 2001. – Predominant nitidulid species (Coleoptera: Nitidulidae) associated with spring oak wilt mats in Minnesota. *Canadian Journal of Forest Research*, 31: 635-643. <https://doi.org/10.1139/x00-201>
- Chapelin-Viscardi J. D., Bouyon H. & Moncoutier B., 2018. – Les espèces du genre *Xenostrogylus* Wollaston, 1854 de France métropolitaine (Coleoptera Nitidulidae). *L'Entomologiste*, 74 (4): 245-249.
- Chapin E., Mouttet R. & Chauvel G., 2016. – *Xylosandrus compactus* trouvé en France métropolitaine. *Phytoma, La santé des végétaux*, 697: 10-12.
- Chittaro Y. & Sanchez A., 2019. – Liste commentée des Bostrichoidea et Derodontoidea de Suisse (Coleoptera: Bostrichiformia, Derodontiformia). *Alpine Entomology*, 3: 175-205. <https://doi.org/10.3897/alpento.3.38582>
- Cillo D. & Bazzato E., 2011. – Segnalazioni faunistiche italiane n°512 : *Bitoma siccana* Pascoe, 1863. *Bollettino della Società Entomologica Italiana*, 143 (1): 43-44.
- Cocquemot C. & Lindelöw A., 2010. – Longhorn beetles (Coleoptera, Cerambycidae). *BioRisk*, 4 (1): 193-218. <https://doi.org/10.3897/biorisk.4.56>
- Cocquemot C., Desbles F., Mouttet R. & Valladares L., 2019. – *Xylotrechus chinensis* (Chevrolat, 1852), nouvelle espèce invasive pour la France métropolitaine (Coleoptera, Cerambycidae, Clytini). *Bulletin de la Société entomologique de France*, 124 (1): 122-126. https://doi.org/10.32475/bsef_2064
- Cocquemot C. & Gattus J.-C., 2013. – Première interception en France de *Semanotus sinoauster* Gressitt, 1951 (Coleoptera Cerambycidae Cerambycinae Callidiini). *L'Entomologiste*, 69 (4): 193-195.
- Dajoz R., 1977. – *Coléoptères Colydiidae et Anommidae paléarctiques*. Faune de l'Europe et du Bassin méditerranéen 8. Masson, Paris-New York-Barcelone-Milan, 275 p.
- Daubrée J.-B., 2016. – Le scolyte *Xylosandrus crassiusculus* (Coleoptera: Curculionidae) en France: de la détection à la lutte. *Annales de l'AFPP*, 4e Conférence sur l'entretien des Jardins, Espaces Végétalisés et Infrastructures, 19 et 20 octobre 2016, ENSAT Toulouse: 35-44.
- Delobel A. & Tran M., 1993. – *Les Coléoptères des denrées alimentaires entreposées dans les régions chaudes*. Faune tropicale XXXII. Orstom / CTA, Paris, 424 p.
- Denux O. & Zagatti P., 2010. – Coleoptera families other than Cerambycidae, Curculionidae *sensu lato*, Chrysomelidae *sensu lato* and Coccinellidae. *BioRisk*, 4 (1): 315-406. <https://doi.org/10.3897/biorisk.4.52>
- Doumbia M. & Kra Kouadio D., 2009. – Sensibilité de trois essences de bois d'œuvre aux attaques de *Xyloperthodes nitidipennis* (Murray) (Coleoptera : Bostrichidae). *Journal of Applied Biosciences*, 22: 1344-1349.
- Downie N. M. & Arnett R. H., Jr, 1996. – *The beetles of northeastern North America*. Sandhill Crane Press, Gainesville, 1721 p.
- Español F., 1956. - Contribución al estudio de los tenebriónidos del noroeste de España (Col. Heterómeros). *Publicaciones del Instituto de Biología Aplicada*, 24: 5-71.
- Fan J.-T., Denux O., Courtin C., Bernard A., Javal M., Jocelyn G., Millar J. G., Hanks L. M. & Roques A., 2019. – Multi-component blends for trapping native and exotic longhorn beetles at potential points-of-entry and in forests. *Journal of Pest Science*, 92 (1): 281-297. <https://doi.org/10.1007/s10340-018-0997-6>
- FAO, 2014. – *Vietnam's Report for the State of the World's Biodiversity for Food and Agriculture*. FAO, Hanoi, 185 p.
- Ferrand M., 2016. – Présence en France du charançon aquatique du riz *Lissorhoptrus oryzophilus* Kuschel, 1952 (Coleoptera, Eirrhinidae). *Ephemera*, 18 (1): 31-39.
- Fritzsche K. & Delobel A., 2012. – *Megabruchidius dorsalis* (Fähræus, 1839), Bruche nouvelle pour la faune française (Col., Chrysomelidae, Bruchinae). *Bulletin de la Société entomologique de France*, 117 (3): 389-390. <https://doi.org/10.3406/bsef.2012.29314>
- Gay A., 2023. – Découverte en France de *Rugilus ceylanensis* (Kraatz, 1859) (Coleoptera, Staphylinidae, Paederinae). *L'Entomologiste*, 79 (2): 143-144.
- GBIF Secretariat, 2024a. – *Dryophthorus americanus* (Bedel, 1885). GBIF Backbone Taxonomy. Available from: www.gbif.org (accessed 13 February 2024).
- GBIF Secretariat, 2024b. – *Glischrochilus fasciatus* Olivier, 1790. GBIF Backbone Taxonomy. Available from : www.gbif.org (accessed 11 June 2024).
- Haran J., Cocquemot C. & Anderson R., 2019. – *Lignyodes helvolus* (LeConte, 1876), une espèce associée aux Frênes nouvellement établie en France continentale (Coleoptera Curculionidae). *L'Entomologiste*, 75 (5): 309-311.
- Huchet J.-B. & Labatut S., 2022. – *Atenius heinekeni* (Wollaston, 1854) découvert en France. Première citation pour la région paléarctique continentale (Coleoptera : Scarabaeoidea : Aphodiidae : Eupariinae). *Faunitaxys*, 10, n°31: 1-7. [https://doi.org/10.57800/faunitaxys-10\(31\)](https://doi.org/10.57800/faunitaxys-10(31))
- Ichter J., Prima M. C. & Gigot G., 2024. – Quelles menaces pèsent sur la faune et la flore de France hexagonale et de Corse ? Un éclairage à partir de la Liste rouge nationale. *Naturae*, 2024 (7): 121-141. <https://doi.org/10.5852/naturae2024a7>
- Iwata R. & Nakano K., 2006. – Occurrence of *Synoxylon conigerum* Gerstaecker (Coleoptera: Bostrichidae: Bostrichinae) on a picture frame manufactured in Java. *House and household Insect Pests*, 28 (1): 81-83.
- Jaeger B. & Ahmed Z., 2017. – Preliminary Checklist of the Stenolophina species of Pakistan (Coleoptera, Carabidae, Harpalini, Stenolophina). *Linzer biologische Beiträge*, 49 (1): 609-617.
- Jaeger B. & Kataev B. M., 2003. – Family Carabidae Latreille, 1802, subtribe Stenolophina Kirby, 1837, p. 397-406. In: Löbl I. & Smetana A. (eds.), *Catalogue of Palaearctic Coleoptera, Volume 1: Archostemata, Myxophaga, Adephaga*. Apollo Books, Stenstrup, 819 p.
- Jelínek J., 2007. – Family Monotomidae Laporte, 1840, p. 491-495. In: Löbl I. & Smetana A. (eds.), *Catalogue of Palaearctic Coleoptera, Volume 4: Elateroidea, Derodontoidea*,

- Bostrichoidea, Lymexyloidea, Cleroidea, Cucujoidea*. Apollo Books, Stenstrup, 935 p. <https://doi.org/10.1163/9789004260894>
- Jelínek J., Audisio P., Hájek J., Baviera C., Moncoutier B., Barnouin T., Brustel H., Genç H. & Leschen R. A. B., 2016. – *Epuraea imperialis* (Reitter, 1877), new invasive species of Nitidulidae (Coleoptera) in Europe, with a checklist of Sap Beetles introduced to Europe and Mediterranean areas. *Atti della Accademia Peloritana dei Pericolanti, Classe di Scienze Fisiche, Matematiche e Naturali*, 94: 1-24.
- Kenis M. & Branco M., 2010. – Impact of alien terrestrial arthropods in Europe. *BioRisk*, 4: 51-71. <https://doi.org/10.3897/biorisk.4.42>
- Kirkendall L. & Faccoli M., 2010. – Bark beetles and pinhole borers (Curculionidae, Scolytinae, Platypodinae) alien to Europe. *ZooKeys*, 56: 227-251. <https://10.3897/zookeys.56.529>
- Kocher L., 1958. – *Catalogue commenté des Coléoptères du Maroc. Fascicule VI, Ténébrionides*. Institut Scientifique Chérifien, Rabat, 185 p.
- Koken M., Guzmán-Álvarez J. R., Gil-Tapetado D., Romo Bedate M. A., Laurent G., Rubio L. E. & Cock R. D., 2022. – Quick spreading of populations of an exotic firefly throughout Spain and their recent arrival in the French Pyrenees. *Insects*, 13 (148): 1-19. <https://doi.org/10.3390/insects13020148>
- Lagarde M. & Noblecourt T., 2018. – Une nouvelle espèce de Scolyte pour la France: *Liparthrum mandibulare* (Wollaston, 1854) (Coleoptera Curculionidae Scolytinae). *L'Entomologiste*, 74 (3): 191-192.
- Lee M. H., Hong K.-J., Lee J.-S. & Lee S., 2020. – Review of family Monotomidae Laporte, 1840 (Coleoptera: Cucujoidea) in Korea. *Journal of Asia-Pacific Biodiversity*, 13: 539-544. <https://doi.org/10.1016/j.japb.2020.06.016>
- Lemaire J.-M. & Raffaldi J., 2014. – Un Aphodiide exotique nouveau pour la faune franco-monégasque : *Ataenius picinus* Harold, 1867 (Coleoptera Scarabaeoidea, Aphodiidae, Eupariini). *Biocosme mésogéen*, 32 (1-2): 1-2.
- Leo P. & Fancello L., 2019. – Tenebrionidos de la Isla de Barreta en el Parque Natural de Ría Formosa (Algarve, Portugal) y nuevos datos sobre la distribución de *Gonocephalum (Opatropis) affine* (Billberg, 1815) en la Península Ibérica (Coleoptera). *Revista gaditana de Entomología*, 10 (1): 111-115.
- Lesne P., 1924. – *Les Coléoptères Bostrychides de l'Afrique tropicale française*. Presses universitaires de France, Librairie Paul Lechevalier, Paris, 301 p.
- Lessieur D., 2021. – *Polydrusus armipes* Brullé, 1832 en Gironde, première citation en France (Coleoptera Curculionidae Entiminae). *L'Entomologiste*, 77 (4): 275-277.
- Lyal C. H. C., 2011. – Family Dryophthoridae Schoenherr, 1825, p. 185-192. In: Löbl I. & Smetana A. (eds.), *Catalogue of Palaearctic Coleoptera, Volume 7: Curculionoidea I*. Apollo Books, Stenstrup, 373 p. <https://doi.org/10.1163/9789004260931>
- Lykidis C. T., Nardi G. & Petrakis P. V., 2016. – First record of *Sinoxylon anale* and *S. unidentatum* in Greece, with an updated account on their global distribution and host plants (Coleoptera: Bostrichidae). *Fragmenta Entomologica*, 48 (2): 102-121. <https://doi.org/10.4081/fe.2016.171>
- Majka C. G., Webster R. & Cline A. R., 2008. – New records of Nitidulidae and Kateretidae (Coleoptera) from New Brunswick, Canada. *ZooKeys*, 2: 337-356. <https://doi.org/10.3897/zookeys.2.23>
- Martin G. & Leraut P., 2019. – Deux trouvailles singulières... (Coleoptera : Tenebrionidae, Carabidae). *Le Coléoptériste*, 22 (2): 133-134.
- Maudet Y. & Cherpitel T., 2019. – Première mention d'*Euophryum rufum* (Broun, 1880) en France (Coleoptera Curculionidae). *L'Entomologiste*, 75 (1): 13-15.
- Mifsud D., Cassar T. & Schuh R., 2020. – On the presence of *Bitoma siccana* (Pascoe, 1863) (Coleoptera: Zopheridae) in Malta. *Bulletin of the Entomological Society of Malta*, 11: 65-66.
- MonotomidGen, 2024. – Genus fact sheets: *Europs* Wollaston, 1854. Available from: www.monotomidae.com (accessed 28 March 2024).
- Moore M., Juzwik J., Miller F., Roberts L. & Ginzel M. D., 2019. – Detection of *Geosmithia morbida* on numerous insect species in four Eastern States. *Plant Health Progress*, 20 (3): 133-139. <https://doi.org/10.1094/PHP-02-19-0016-RS>
- Morales B., Bautista J. & Vergara C., 2020. – Pollinating insects of cherimoya (*Annona cherimola* Miller) in La Molina, Lima, Peru. *Peruvian Journal of Agronomy*, 4 (1): 10-16. <http://dx.doi.org/10.21704/pja.v4i1.1451>
- Mouttet R., Ginez A., Germain J.-F. & Streito J.-C., 2017. – Présence en France d'*Epirix hirtipennis* (Melsheimer, 1847) (Coleoptera, Chrysomelidae, Alticinae). *Bulletin de la Société entomologique de France*, 122 (4): 451-454. https://doi.org/10.32475/bsef_1989
- Mouttet R., Haran J., Boriani M., Meragalli M., Taddei A., Panchaud K., Vernier F. & Streito J.-C., 2020. – *Aclees* sp. ravageur des Figuiers établi en France métropolitaine (Coleoptera Curculionidae). *L'Entomologiste*, 76 (2): 65-68.
- Mouttet R., Moreto M., Delobel A. & Kergoat G., 2016. – Une Bruche nouvelle pour la France: *Bruchidius terrenus* (Sharp, 1886) (Coleoptera, Chrysomelidae, Bruchinae). *Bulletin de la Société entomologique de France*, 121 (1): 87-89. <https://doi.org/10.3406/bsef.2016.2332>
- Nageleisen L.-M., Bouget C. & Noblecourt T., 2015. – Les Scolytes du genre *Xylosandrus* en France (Coleoptera Curculionidae Scolytinae). *L'Entomologiste*, 71: 267-271.
- Nardi G. & Mifsud D., 2015. – The Bostrichidae of the Maltese Islands (Coleoptera). *ZooKeys* 481: 69-108. <http://dx.doi.org/10.3897/zookeys.481.8294>
- Novoa F., Baselga A., Gañán I., X. M. González & Eiroa E., 2009. – *Guía de los Coleópteros. Parque natural do complexo dunar de Corrubedo e lagoas de Carregal e Vixán*. Xunta de Galicia, Dirección General de Conservación de la Naturaleza, A Coruña, 95 p.
- O'Brian C.W., 1997. – *A Catalog of the Coleoptera of America north of Mexico. Family Curculionidae, subfamilies: Acicnemidinae, Cossoninae, Rhytirrhininae, Molytinae, Petalochilinae, Trypetidinae, Dryophthorinae, Tachygoninae, Thecesterninae*. Agriculture Handbook. United States Department of Agriculture, Washington, 49 p.
- Palm T., 1975. – Zur Kenntnis der Käferfauna der Kanarischen Inseln, 4-7. *Entomologisk tidskrift*, 96 (1-2): 37-50.
- Pimentel D., Zuniga R. & Morrison D., 2005. – Update on the environmental and economic costs associated with alien-invasive species in the United States. *Ecological Economics*, 52 (3): 273-288. <https://doi.org/10.1016/j.ecolecon.2004.10.002>
- Price M. B. & Young D. K., 2006. – An annotated checklist of Wisconsin sap and short-winged flower beetles (Coleoptera: Nitidulidae, Kateretidae). *Insecta Mundi*, 20 (1-2): 68-84.
- Rassati D., Lieutier F. & Faccoli M., 2016. – Alien wood-boring beetles in Mediterranean regions, p. 293-327. In: Paine T.D. & Lieutier, F. (eds.), *Insects and diseases of Mediterranean forest systems*. Springer

- International Publishing, Cham, 892 p. https://doi.org/10.1007/978-3-319-24744-1_11
- Ratti E., 2004. – Coleoptera Lyctidae e Bostrichidae intercettati nel porto e negli ambienti urbani di Venezia. *Bollettino del Museo civico di Storia naturale di Venezia*, 55: 121-125.
- Reed S. E., Dutkiewicz D., Ross F., Llewellyn J. & Fraser H., 2023. – New records of Nitidulidae (Nitidulidae, Coleoptera) species in Canada, Ontario, and Manitoba. *Zookeys*, 1156: 33-52. <https://doi.org/10.3897/zookeys.1156.94589>
- Roques A. & Auger-Rozenberg M.-A., 2023. – Chapitre 9. Anticiper les invasions et les détecter précocement, p. 137-150. In: Lannou C., Rasplus J. Y., Soubeyrand S., Gautier M. & Rossi J. P. (eds.), *Crises sanitaires en agriculture. Les espèces invasives sous surveillance*. Collection Savoir-faire. Editions Quae, Versailles, 326 p.
- Roques A., Ren L., Rassati D., Shi J., Akulov E., Audsley N., Auger-Rozenberg M.-A., Avtzis D., Battisti A., Bellanger R., Bernard A., Bernadinelli I., Branco M., Cavaletto G., Cocquempot C., Contarini M., Courtial B., Courtin C., Denux O., Dvořák M., Jian-ting Fan J.-T., Feddern N., Francese J., Franzen E. K. L., Garcia A., Georgiev G., Georgieva M., Giarruzzo F., Gossner M., Gross L., Guameri D., Hoch G., Hölling D., Jonsell M., Kirichenko N., Loomans A., Luo Y.-Q., McCullough D., Maddox C., Magnoux E., Marchioro M., Martinek P., Mas H., Mériquet B., Pan Y.-Z., Phélut R., Pineau P., Ray A. M., Roques O., Ruiz M.-C., Sarto i Monteys V., Speranza S., Sun J.-H., Sweeney J. D., Touroult J., Valladares L., Veillat L., Yuan Y., Zalucki M. P., Zou Y., Žunič-Kosi A., Hanks L. M. & Millar J. G., 2023 – Worldwide tests of generic attractants, a promising tool for early detection of non-native cerambycid species. *NeoBiota*, 84: 169-209. <https://doi.org/10.3897/neobiota.84.91096>
- Roy H. & Migeon A., 2010. – Ladybeetles (Coccinellidae). *BioRisk*, 4 (1): 293-313. <https://doi.org/10.3897/biorisk.4.49>
- Ruzzier E., Morin L., Zugno M., Tapparo A., Bani L. & Di Giulio A., 2023. – New records of non-native Coleoptera in Italy. *Biodiversity Data Journal*, 11: e111487. <https://doi.org/10.3897/BDJ.11.e111487>
- Sauvard D., Branco M., Lakatos F., Faccoli M. & Kirkendall L. R., 2010. – Weevils and Bark Beetles (Coleoptera, Curculionioidea). *BioRisk*, 4 (1): 219-266. <https://doi.org/10.3897/biorisk.4.64>
- Saurat C., Mouttet R., Jeandel C., Prost J., Tellez D. & Ios R., 2023. – First report of thousand cankers disease caused by the fungus *Geosmithia morbida* and its vector *Pityophthorus juglandis* on *Juglans regia* in France. *New Disease Reports*, 47: e12151. <https://doi.org/10.1002/ndr2.12151>
- Savoldelli S. & Regalin R., 2009. – Infestations of wood pallets by *Sinoxylon unidentatum* (Fabricius) (Coleoptera Bostrichidae) in Italy. *Bollettino di Zoologia agraria e di Bachicoltura*, Ser. II, 41 (3): 235-238.
- Schuh R., 2020. – Family Zopheridae Solier, 1834, p. 66-79. In: Iwan D. & Löbl I. (eds.), *Catalogue of Palaearctic Coleoptera, Volume 5: Tenebrionoidea*. Revised and Updated Second Edition. Leiden-Boston, Brill, 945 p. https://doi.org/10.1163/9789004434998_004
- Secq M. & Secq B., 2017. – *Bacanius* (s. str.) *punctiformis* (J. L. LeConte, 1853), espèce nouvelle pour la faune de France (Coleoptera Histeridae). *L'Entomologiste*, 73 (1): 5-8.
- Secq M. & Secq B., 2018. – Sur la capture de quelques Histeridae peu ordinaires provenant du département de la Dordogne (Coleoptera Histeridae). *L'Entomologiste*, 74 (1): 59-60.
- Seebens H., Blackburn T. M., Dyer E. E., Genovesi P., Hulme P. E., Jeschke J. M., Pagad S., Pyšek P., Winter M., Arianoutsou M., Bacher S., Blasius B., Brundu G., Capinha C., Celesti-Grapow L., Dawson W., Dullinger S., Fuentes N., Jäger H., Kartesz J., Kenis M., Kreft H., Kühn I., Lenzner B., Liebhold A., Mosen A., Moser D., Nishino M., Pearman D., Pergl J., Rabitsch W., Rojas-Sandoval J., Roques A., Rorke S., Rossinelli S., Roy H. E., Scalera R., Schindler S., Štajerová K., Tokarska-Guzik B., Van Kleunen M., Walker K., Weigelt P., Yamanaka T. & Essl F., 2017. – No saturation in the accumulation of alien species worldwide. *Nature Communications*, 8, n°14435. <https://doi.org/10.1038/ncomms14435>
- Soldati F., Barnouin T., Mouttet R. & Van Meer C., 2024. – Alien bark beetle *Xylosandrus compactus* (Chapuis & Eichhoff, 1875) reaches the Atlantic coast in Europe; *Liparthrum colchicum* Semenov, 1903 newly reported in France. *Revue de l'Association Roussillonnaise d'Entomologie*, n°110: 33-43.
- Soldati F., Barnouin T., Noblecourt T. & Audisio P., 2019. – Première mention en France de *Phenolia* (*Lasiodites*) *tibialis* (Boheman, 1851) (Coleoptera Nitidulidae). *L'Entomologiste*, 75 (2):103-106.
- Soldati F., Noblecourt T. & Barnouin T., 2018. – Première mention en France de *Bitoma siccana* (Pascoe, 1863) (Coleoptera Zopheridae). *L'Entomologiste*, 74 (1): 31-32.
- Soldati F. & Soldati L., 2014. – Compléments faunistiques et taxonomiques au catalogue et atlas des Coléoptères Tenebrionidae de France. *Revue de l'Association Roussillonnaise d'Entomologie*, 23 (1): 15-26.
- Thieren Y., Brustel H. & Secq M., 2014. – *Platylomalus gardineri* (Scott, 1913), une espèce nouvelle pour la France (Coleoptera : Histeroidea). *L'Entomologiste*, 70 (5): 313-316.
- Van Meer C. & Artéro A., 2022. – Présence en France de l'espèce exotique *Monocrepidius posticus* (Eschscholtz, 1822) (Coleoptera, Elateridae, Agrypninae). *L'Entomologiste*, 78 (5): 353-357.
- Van Meer C. & Cocquempot C., 2013. – Découverte d'un foyer de *Callidiellum rufipenne* (Motschulsky, 1861) dans les Pyrénées-Atlantiques (France) et correction nomenclaturale (Cerambycidae Cerambycinae Callidiini). *L'Entomologiste*, 69 (3): 65-72.
- Vincent A., Barnouin T., Soldati F., Descaves S. & Amboise P., 2023. – Nouvelles observations de Coléoptères saproxyliques remarquables pour la France métropolitaine. *L'Entomologiste*, 79 (4): 261-270.
- Wilstermann A. & Schrader G., 2019. – Express pest risk analysis for *Sinoxylon unidentatum*. Julius Kühn-Institut, Institut for National and International Plant Health, 5 p.

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Résumé

Soldati F., Barnouin T., Van Meer C., Mouttet R., Vincent A., Bonifait S., Barbéris S. & Etienne S., 2024. – Premières ou nouvelles observations de Coléoptères exotiques en France (Bostrichidae, Carabidae, Dryophthoridae, Monotomidae, Nitidulidae, Tenebrionidae et Zopheridae). *Faunitaxys*, 12(40): 1 – 12.

Huit espèces non autochtones de Coléoptères pour la France métropolitaine sont présentées en détails, incluant de nouvelles interceptions ou des premières observations dans ce pays. *Dryophthorus americanus* (Bedel, 1885) (Dryophthoridae), *Glischrochilus fasciatus* (A. G. Olivier, 1790) (Nitidulidae), *Neoisocerus ferrugineus* (Fabricius, 1798) (Tenebrionidae), *Stenolophus (Egadroma) quinquepustulatus* (Wiedemann, 1823) (Carabidae), *Xyloperthodes nitidipennis* (Murray, 1867) (Bostrichidae), ainsi qu'une espèce encore indéterminée appartenant au genre *Europs* (Monotomidae), sont signalées pour la première fois en France. De plus, *D. americanus*, *S. quinquepustulatus* et *Europs* sp. sont également observés pour la première fois sur le continent européen. Des individus capturés en France de toutes ces espèces sont présentés en photos et une clé illustrée permettant de séparer l'espèce américaine *Dryophthorus americanus* (Bedel, 1885) de son homologue européen *D. corticalis* (Paykull, 1792) est proposée.

Mots-clés. – Coléoptères, Bostrichidae, Carabidae, Dryophthoridae, Monotomidae, Nitidulidae, Tenebrionidae, Zopheridae, espèces exotiques, premières observations, nouvelles interceptions, Europe, France, Corse.

Derniers articles publiés

Cumming R.T., Le Tirant S. & Chen H., 2024. – An additional Cretaceous *Ferriantenna* Cumming & Le Tirant, 2021 species with wildly exaggerated antennae (Hemiptera, Coreidae). *Faunitaxys*, 12(5): 1 – 6. [https://doi.org/10.57800/faunitaxys-12\(5\)](https://doi.org/10.57800/faunitaxys-12(5))

Bezark L. G. & Santos-Silva A., 2024. – New World Lamiinae (Coleoptera, Cerambycidae): new species, new records, and notes. *Faunitaxys*, 12(4): 1 – 11. [https://doi.org/10.57800/faunitaxys-12\(6\)](https://doi.org/10.57800/faunitaxys-12(6))

Lingafelter S. W., Touroult J. & Hodecek J., 2024. – A new species of *Eburia* (Coleoptera: Cerambycidae: Cerambycinae: Eburini) from the Dominican Republic. *Faunitaxys*, 12(7): 1 – 7. [https://doi.org/10.57800/faunitaxys-12\(7\)](https://doi.org/10.57800/faunitaxys-12(7))

Bollino M. & Bouyer T., 2024. – A new subspecies of *Graphium bouyeri* Cipolla, 2021 and notes on taxonomic status of *Graphium biokoensis* Gauthier, 1984 (Lepidoptera, Papilionidae). *Faunitaxys*, 12(8): 1 – 6. [https://doi.org/10.57800/faunitaxys-12\(8\)](https://doi.org/10.57800/faunitaxys-12(8))

Sadine S. E., Souilem Z., Chedad A., Chebihi B., Zebba R., Houhamdi M., Lourenço W. R. & Ythier E., 2024. – A new species of *Buthacus* Birula, 1908 from the Algerian Saharan Desert (Scorpiones: Buthidae). *Faunitaxys*, 12(9): 1 – 9. [https://doi.org/10.57800/faunitaxys-12\(9\)](https://doi.org/10.57800/faunitaxys-12(9))

Dalens P.-H. & Robin F., 2024. – *Recchia hirticornis* (Klug, 1825) et description d'une nouvelle espèce de *Recchia* Lane, 1966 de Guyane (Coleoptera : Cerambycidae, Lamiinae). *Faunitaxys*, 12(10): 1 – 7. [https://doi.org/10.57800/faunitaxys-12\(10\)](https://doi.org/10.57800/faunitaxys-12(10))

Robin F. & Dalens P.-H., 2024. – Deux nouvelles espèces de *Rosalba* Thomson, 1864 de Guyane (Coleoptera : Cerambycidae, Lamiinae). *Faunitaxys*, 12(11): 1 – 6. [https://doi.org/10.57800/faunitaxys-12\(11\)](https://doi.org/10.57800/faunitaxys-12(11))

Gouverneur X., 2024. – Description d'une nouvelle espèce du genre *Mimapatellarthron* Breuning, 1940 du Vietnam (Coleoptera, Cerambycidae). *Faunitaxys*, 12(12): 1 – 3. [https://doi.org/10.57800/faunitaxys-12\(12\)](https://doi.org/10.57800/faunitaxys-12(12))

Lourenço W. R. & Velten J., 2024. – An exceptional new genus of fossil scorpion from Burmese Cretaceous amber belonging to the family Palaeoburmesebuthidae Lourenço, 2015. *Faunitaxys*, 12(13): 1 – 7. [https://doi.org/10.57800/faunitaxys-12\(13\)](https://doi.org/10.57800/faunitaxys-12(13))

Gouverneur X. & Guérard P., 2024. – Description d'une nouvelle espèce du genre *Stenhomalus* White, 1855 du Laos (Coleoptera, Cerambycidae, Oribini). *Faunitaxys*, 12(14): 1 – 3. [https://doi.org/10.57800/faunitaxys-12\(14\)](https://doi.org/10.57800/faunitaxys-12(14))

Gouverneur X., 2024. – Description d'une nouvelle espèce du genre *Margites* Gahan, 1891 du Laos (Coleoptera, Cerambycidae, Cerambycini). *Faunitaxys*, 12(15): 1 – 3. [https://doi.org/10.57800/faunitaxys-12\(15\)](https://doi.org/10.57800/faunitaxys-12(15))

Gouverneur X., 2024. – Description d'une nouvelle espèce du genre *Glenida* Gahan, 1888 (Coleoptera : Cerambycidae) du Vietnam. *Faunitaxys*, 12(16): 1 – 7. [https://doi.org/10.57800/faunitaxys-12\(16\)](https://doi.org/10.57800/faunitaxys-12(16))

Gerstmeier R., 2024. – *Phloiocopus bimaculatus* sp. n., a new apterous species from Somalia (Coleoptera, Cleridae, Clerinae). *Faunitaxys*, 12(17): 1 – 3. [https://doi.org/10.57800/faunitaxys-12\(17\)](https://doi.org/10.57800/faunitaxys-12(17))

Wang F.-L., 2024. – A new species of the genus *Dedaloapterus* Sabatinelli & Pontuale, 1998 from China (Coleoptera, Scarabaeidae, Melolonthinae). *Faunitaxys*, 12(18): 1 – 5. [https://doi.org/10.57800/faunitaxys-12\(18\)](https://doi.org/10.57800/faunitaxys-12(18))

Ythier E., 2024. – A new high-altitude scorpion species of the genus *Ananteris* Thorell, 1891 (Scorpiones: Ananteridae) from the Pico da Neblina, Brazil. *Faunitaxys*, 12(19): 1 – 9. [https://doi.org/10.57800/faunitaxys-12\(19\)](https://doi.org/10.57800/faunitaxys-12(19))

Keith D., 2024. – Description de deux espèces nouvelles du genre *Miridiba* Reitter, 1902 du Vietnam (Coleoptera: Scarabaeidae, Melolonthinae, Rhizotrogini). *Faunitaxys*, 12(20): 1 – 6. [https://doi.org/10.57800/faunitaxys-12\(20\)](https://doi.org/10.57800/faunitaxys-12(20))

Deslisle G. & Plante É., 2024. – Une nouvelle sous-espèce d'*Ornithoptera (O.) priamus* (Linnaeus, 1758) découverte sur l'île de Gorong, Moluques, Indonésie (Lepidoptera, Papilionidae, Troidini). *Faunitaxys*, 12(21): 1 – 19. [https://doi.org/10.57800/faunitaxys-12\(21\)](https://doi.org/10.57800/faunitaxys-12(21))

Vives E. & Trócoli S., 2024. – Una nueva especie de *Pseudochoeromorpha* Breuning, 1936 de Sulawesi, Indonesia (Coleoptera, Cerambycidae: Lamiinae). *Faunitaxys*, 12(22): 1 – 3. [https://doi.org/10.57800/faunitaxys-12\(22\)](https://doi.org/10.57800/faunitaxys-12(22))

- Huchet J-B., 2024. – *Nothochodaeus lycaon*, a new species from Palawan Island, Philippines (Coleoptera: Scarabaeoidea: Ochodaeidae). *Faunitaxys*, 12(23) : 1 – 4. [https://doi.org/10.57800/faunitaxys-12\(23\)](https://doi.org/10.57800/faunitaxys-12(23))
- Lourenço W. R. & Velten J., 2024. – One more particular new species belonging to the genus *Chaerilobuthus* Lourenço & Beigel, 2011 (Scorpiones: Chaerilobuthidae). *Faunitaxys*, 12(24): 1 – 5. [https://doi.org/10.57800/faunitaxys-12\(24\)](https://doi.org/10.57800/faunitaxys-12(24))
- Háva J., 2024. – A new *Anthrenus* Geoffroy, 1762 species from Iran (Coleoptera: Dermestidae: Megatominae: Anthrenini). *Faunitaxys*, 12(25) : 1 – 3. [https://doi.org/10.57800/faunitaxys-12\(25\)](https://doi.org/10.57800/faunitaxys-12(25))
- Lourenço W. R. & Velten J., 2024. – An unusual new species of *Betaburmesebuthus* Lourenço, 2015 trapped in Burmite (Scorpiones: Palaeoburmesebuthidae). *Faunitaxys*, 12(26): 1 – 5. [https://doi.org/10.57800/faunitaxys-12\(26\)](https://doi.org/10.57800/faunitaxys-12(26))
- Gouverneur X. & Chemin G., 2024. – Notes sur le genre *Xenohammus* Schwarzer, 1931 (Coleoptera, Cerambycidae) et description d'une nouvelle espèce du Laos. *Faunitaxys*, 12(27): 1 – 6. [https://doi.org/10.57800/faunitaxys-12\(27\)](https://doi.org/10.57800/faunitaxys-12(27))
- Opitz W., 2024. – Systematics of the checkered beetle genus *Teneromimus* Gahan (Coleoptera: Cleroidea: Cleridae: Orthopleurinae). *Faunitaxys*, 12(28): 1 – 16. [https://doi.org/10.57800/faunitaxys-12\(28\)](https://doi.org/10.57800/faunitaxys-12(28))
- Háva J., 2024. – Descriptions of ten new *Trogoderma* Dejean, 1821 species from Australia (Coleoptera: Dermestidae: Megatominae). *Faunitaxys*, 12(29) : 1 – 7. [https://doi.org/10.57800/faunitaxys-12\(29\)](https://doi.org/10.57800/faunitaxys-12(29))
- Geshev G. A. (Qiao-Zhi Yang), 2024. – A peculiar new genus and species of rhinoceros beetle, *Ceratohyphus luzonicus*, from the Philippines (Coleoptera: Scarabaeidae: Dynastinae). *Faunitaxys*, 12(30) : 1 – 10. [https://doi.org/10.57800/faunitaxys-12\(30\)](https://doi.org/10.57800/faunitaxys-12(30))
- Gouverneur X., 2024. – Descriptions de deux nouvelles espèces de Cerambycidae (Coleoptera) du Laos. *Faunitaxys*, 12(31): 1 – 6. [https://doi.org/10.57800/faunitaxys-12\(31\)](https://doi.org/10.57800/faunitaxys-12(31))
- Gouverneur X., 2024. – Description d'une nouvelle espèce du genre *Oculohammus* Breuning & de Jong du Vietnam (Coleoptera, Cerambycidae). *Faunitaxys*, 12(32): 1 – 4. [https://doi.org/10.57800/faunitaxys-12\(32\)](https://doi.org/10.57800/faunitaxys-12(32))
- Porion T. & Audibert C., 2024. – Description d'une nouvelle espèce du genre *Eupholus* Boisduval, 1835 de Papouasie-Nouvelle-Guinée (Coleoptera, Curculionidae, Entiminae). *Faunitaxys*, 12(33): 1 – 4. [https://doi.org/10.57800/faunitaxys-12\(33\)](https://doi.org/10.57800/faunitaxys-12(33))
- Vives E., 2024. – Cerambícidos nuevos o interesantes de Vietnam (Coleoptera, Cerambycidae) (Pars 11). *Faunitaxys*, 12(34) : 1 – 4. [https://doi.org/10.57800/faunitaxys-12\(34\)](https://doi.org/10.57800/faunitaxys-12(34))
- Keith D., Pham P.V. & Sabatinelli G., 2024. – Description d'une remarquable nouvelle espèce du genre *Eotrichia* Medvedev, 1951 (Coleoptera: Scarabaeidae, Melolonthinae, Rhizotrogini). *Faunitaxys*, 12(35): 1 – 4. [https://doi.org/10.57800/faunitaxys-12\(35\)](https://doi.org/10.57800/faunitaxys-12(35))
- Sabatinelli G. & Pham P.V., 2024. – A new species of *Didrepanephorus* Wood-Mason, 1878 from Vietnam with notes on the genus (Coleoptera: Scarabaeidae Rutelinae). *Faunitaxys*, 12(36): 1 – 4. [https://doi.org/10.57800/faunitaxys-12\(36\)](https://doi.org/10.57800/faunitaxys-12(36))
- Laguerre M., 2024. – Description of three new species and a new genus of Lithosiini from Dominican Republic (Lepidoptera: Erebiidae: Arctiinae: Lithosiini). *Faunitaxys*, 12(37): 1 – 9. [https://doi.org/10.57800/faunitaxys-12\(37\)](https://doi.org/10.57800/faunitaxys-12(37))
- Chen Z.-T., 2024. – *Cranopygia guizhouensis* sp. nov., a new earwig species of Pygidicranidae (Insecta: Dermaptera) from China. *Faunitaxys*, 12(38): 1 – 4. [https://doi.org/10.57800/faunitaxys-12\(38\)](https://doi.org/10.57800/faunitaxys-12(38))
- Fei-Yi Xin, Hao He, Xiao-Tian Zhong, Yi-Feng Zhang & Zhi-Hao Qi, 2024. – *Lucanus ludivinae*, a newly recorded stag beetle from Vietnam, with a description of a new subspecies (Coleoptera: Lucanidae: Lucaninae). *Faunitaxys*, 12(39): 1 – 7. [https://doi.org/10.57800/faunitaxys-12\(39\)](https://doi.org/10.57800/faunitaxys-12(39))

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Fabien Soldati, Thomas Barnouin, Cyrille Van Meer, Raphaëlle Mouttet, Alexis Vincent, Sylvain Bonifait, Sandy Barbéris & Sébastien Etienne 1 – 12

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First or new records of non-native beetles in France (Coleoptera: Bostrichidae, Carabidae, Dryophthoridae, Monotomidae, Nitidulidae, Tenebrionidae and Zopheridae).

Fabien Soldati, Thomas Barnouin, Cyrille Van Meer, Raphaëlle Mouttet, Alexis Vincent, Sylvain Bonifait, Sandy Barbéris & Sébastien Etienne 1 – 12

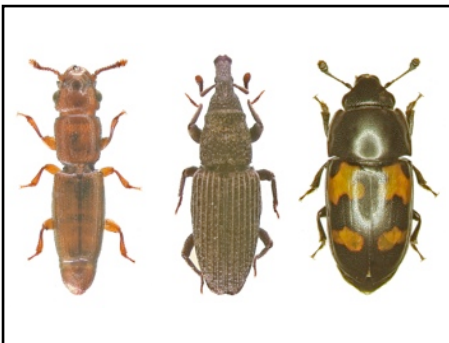


Illustration de la couverture :

Europs sp. (gauche)

Dryophthorus corticalis (Paykull, 1792) (milieu)

Glischrochilus fasciatus (A. G. Olivier, 1790) (droite)

Crédits:

F. Soldati: Fig. 1, 2 & 3.