



<https://doi.org/10.11646/palaeoentomology.2.6.1>

<http://zoobank.org/urn:lsid:zoobank.org:pub:25D35BD3-0C86-4BD6-B350-C98CA499A9B4>

## André Nel sixtieth anniversary Festschrift

DANY AZAR<sup>1,2</sup>, ROMAIN GARROUSTE<sup>3</sup> & ANTONIO ARILLO<sup>4</sup>

<sup>1</sup>Lebanese University, Faculty of Sciences II, Department of Natural Sciences, P.O. Box: 26110217, Fanar, Matn, Lebanon.

Email: [danyazar@ul.edu.lb](mailto:danyazar@ul.edu.lb)

<sup>2</sup>State Key Laboratory of Palaeobiology and Stratigraphy, Center for Excellence in Life and Palaeoenvironment, Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences, Nanjing 210008, China.

<sup>3</sup>Institut de Systématique, Évolution, Biodiversité, ISYEB-UMR 7205-CNRS, MNHN, UPMC, EPHE, Muséum national d'Histoire naturelle, Sorbonne Universités, 57 rue Cuvier, CP 50, Entomologie, F-75005, Paris, France.

<sup>4</sup>Departamento de Biodiversidad, Ecología y Evolución, Facultad de Biología, Universidad Complutense, Madrid, Spain.



FIGURE 1. Portrait of André Nel.

During the last “International Congress on Fossil Insects, Arthropods and Amber” held this year in the Dominican Republic, we unanimously agreed—in the International Palaeoentomological Society (IPS)—to honor our great colleagues who have given us and the science (and still) significant knowledge on the evolution of fossil insects and terrestrial arthropods over the years. Sure there have been some efforts before in this purpose, undertaken

mainly by our esteemed Russian colleagues, and where several of our members in the IPS contributed in edited volumes honoring some of our great scientists.

This issue is a Festschrift to celebrate the 60<sup>th</sup> birthday of Professor André Nel (from the ‘*Muséum national d’Histoire naturelle*’, Paris) and constitutes a tribute to him for his great ongoing, prolific and his manifold contributions to the palaeontology, diversity, and evolution of insects.



**FIGURE 2.** André Nel. **A**, La Ciotat, 1968. **B**, Luberon, 1999. **C**, Saint Foy, Tarentaise, 2008. **D**, Valgaudemar, 2012. André Nel on the right. **E**, Oise amber outcrop, 1998. André Nel, the first on left.

André Nel was born on November 4<sup>th</sup> 1959, in La Ciotat (Bouches-du-Rhône), Southern France. He is currently a Professor ‘*classe exceptionnelle*’ (with exceptional class grade) in the ‘*Muséum national d’Histoire naturelle*’, Paris (MNHN), since 2013. He has been employed at the MNHN since 1994, where he served till 2013 as ‘*Maitre de Conférences*’ (Associate Professor).

André’s first university studies were mathematics and he obtained the French ‘*agrégation*’—in France, the ‘*agrégation*’ is a competitive examination for civil service in the French public education system and holders of the ‘*agrégation*’ or ‘*agrégés*’ are expected to teach at high schools and universities—of Mathematics in 1983 and then he was a Professor of Mathematics in high school from 1983 till 1994, but his passion was always collecting and studying fossil and recent insects. In the same year (1983), André wrote his first publication on fossil

Odonata originated from his beloved early Oligocene Aix-en-Provence fossil insects’ outcrop.

In 1991, André achieved his PhD in Sciences, specializing in geology, from the University of Reims Champagne-Ardenne (URCA), and in 1995 he obtained the ‘*Habilitation à Diriger des Recherches*’ abbreviated HDR (Accreditation to Supervise Research) from the same University.

André received several awards and prizes among which: ‘*Prix Pesson*’ from the ‘*Société Entomologique de France*’—the oldest entomological society in the world, founded in 1832—in 1994; ‘*Prix Gadeau de Kerville*’ from the ‘*Société Entomologique de France*’ in 2002; ‘*Prix Balachowski*’ from the prestigious French ‘*Académie des Sciences*’ in 2016 (Figs 4B–E); and the Medal of the International Palaeoentomological Society in 2019 (Figs 5A–D).





**FIGURE 3.** André Nel in field work. **A**, Gonfaron. **B**, Oise amber outcrop, 1998. André Nel on the right. **C**, **D** & **E**, Spitzbergen, Svalbard, 2011. André Nel on the left in **E**.

To date, André has supervised the PhDs and Accreditations to Supervise Research of several professionals in Entomology and Palaeoentomology: Dany Azar (Lebanon); Gunther Fleck (France); Julián Petrulevičius (Argentina); Gérard Masselot (France); Olivier Béthoux (France); Vincent Perrichot (France); Clément Coiffard (France); Joanna Choufani (Lebanon), Salman Shayya (Lebanon) and Romain Garrouste (France). He has also collaborated with many French and International colleagues across the world dealing with amber, fossil and recent insects and their evolution.

André's reputation is global, and with his fascinating ability to embrace almost all insect groups, extant and extinct, he is considered a pioneer in the '*renaissance*' of palaeoentomology, whereas previous to his work, this discipline was considered as marginal. André's efforts represent a milestone in the successful golden age that palaeoentomology is encountering at present.

He has trained (and still trains) two generations of young researchers able to comprehend the palaeodiversity of insects and allow them to join the field of paleontology and evolution of insects. His researches focuses on all fields of entomology, with a strong emphasis on comparative morphology and fossil insects; as well as including the use of the phylogenetic tools, and development of new tools in comparative morphology and palaeoecology.

In addition to his work on fossil insects, André Nel has been the scientific manager of the world's largest collection of terrestrial arthropods in his institution (MNHN), as well as the collection of fossil insects that he has helped to increase considerably and enabled it to become one of the most important in the world. This proximity between palaeontological and recent collections, a real cradle of original paleobiological studies and a new paradigm for evolutionary biology, has enabled André Nel to tackle the immense task of solving major problems—dating back





**FIGURE 4.** André Nel. **A**, Receiving international colleagues (here Diying Huang). **B**, Collège de France, for reception of the ‘Prix Balachowsky’, 2016. **C**, Reception of the ‘Prix Balachowsky’ from the prestigious French ‘*Académie des Sciences*’. **D** and **E**, Medal of the ‘Prix Balachowsky’.

through more than 200 years of entomological studies—of vein homologies of insect wings at the scale of the entire subclass. Moreover, André Nel is one of the pioneers in the use and exploration of new analyzing techniques like 3D analysis of amber inclusions by tomography.

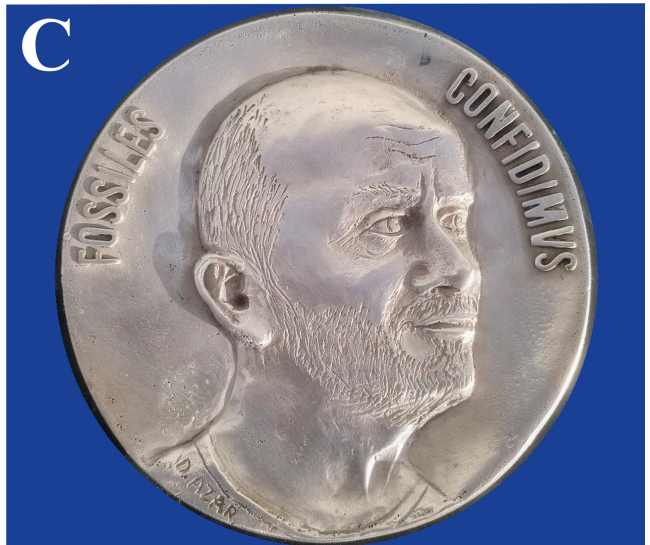
André has written (and very actively still) several hundreds of scientific publications with a considerable number among them in highly prestigious worldly renown scientific journals. A list of his publications (only till his 60<sup>th</sup> anniversary, as in almost every month several of his publications are continually appearing!) is given below.

André has lead and participated in several field studies (Figs 2E, 3A–E) in France (Aix-en-Provence, Oise, Luberon, Céreste, Lodève, Saint Bauzille, Charente Maritime, Avion, Menat, Var etc.), Mauritania, Lebanon, Isle of Wight, Spain, Spitzbergen (Norway),

New Caledonia etc., and has gathered huge fossil insect collections from several French outcrops, thereby steadily enriching the collections of the MNHN and making these collections among the most important in the world. Moreover, has essentially transformed his institution to an obligate destination to all searchers from all over the world (Canada, United States of America, Mexico, French Guyana, Brazil, Argentina, Russia, Denmark, United Kingdom, Poland, Germany, Czech Republic, Belgium, Spain, Portugal, Slovakia, Italy, Algeria, Morocco, Lebanon, Iran, China, Japan, Australia etc.) for any study of fossil insects.

We wish André a long life full of health and additional success, and we are always looking forward his prolific high quality publications.





**FIGURE 5.** André Nel. **A**, Reception of the medal of the International Palaeontological Society (IPS) from Dany Azar, former President of the IPS, on 26<sup>th</sup> November 2019. **B**, André Nel holding the medal of the IPS. **C**, The medal of the IPS. **D**, The picture used to make the medal.



## Appendix: Publications of André Nel till his 60<sup>th</sup> birthday

### 1983:

- Nel, A. & Papazian, M. (1983) Description d'une nouvelle espèce d'Odonate fossile du Stampien d'Aix-en-Provence. *L'Entomologiste*, 39 (3), 119–122.

### 1984:

- Nel, A. & Descimon, H. (1984) Une nouvelle espèce de Lépidoptère fossile du Stampien de Céreste (04) (Lepidoptera Satyridae). *Géologie Méditerranéenne*, 11 (4), 287–293.  
<https://doi.org/10.3406/geolm.1984.1330>
- Nel, A. (1984) Description d'une nouvelle espèce de termite fossile du Stampien d'Aix-en-Provence (Dictyoptera, Termitidae, Termitinae). *Entomologica Gallica*, 1 (3), 159–160.
- Nel, A. 1984. Sur la présence du genre *Lithymnetes* Scudder dans le bassin stampien d'Apt-Céreste (Vaucluse-Alpes-de-Haute-Provence) (Orthoptera, Locustidae). *L'Entomologiste*, 40 (4), 165–168.

### 1985:

- Nel, A. (1985) Sur la présence d'un *Lestes* Leach, 1815 fossile de la lignée de *Lestes regina* Théobald dans les calcaires stampiens d'Aix-en-Provence (Odon. Lestidae). *Entomologica Gallica*, 1 (4), 317–319.
- Nel, A. (1985) Une nouvelle espèce d'Odonate fossile du Stampien d'Aix-en-Provence (B.d.R.) (Odonata Libellulidae). *L'Entomologiste*, 41 (2), 55–59.
- Nel, A. (1985) Sur la présence d'un Coléoptère Mordellidae fossile dans les calcaires stampiens de Céreste (Alpes-de-Haute-Provence). *L'Entomologiste*, 41 (3), 119–121.
- Nel, A. & Nel, J. (1985) A propos de chenilles et de chrysalides fossiles du Stampien en France. *Alexanor*, 14 (3), 126–130.
- Nel, A. & Papazian, M. (1985) Description d'une nouvelle espèce fossile de *Lestes* Leach, 1815, du Stampien de Céreste (Alpes-de-Haute-Provence) (Odon. Lestidae). *Entomologica Gallica*, 1 (4), 275–279.
- Nel, A. & Papazian, M. (1985) Description d'une nouvelle espèce d'Odonate fossile du Stampien d'Aix-en-Provence (Odon. Libellulidae). *Entomologica Gallica*, 1 (4), 351–355.

### 1986:

- Nel, A. (1986) Révision du genre cénozoïque *Stenolestes* Scudder, 1895; description de deux espèces nouvelles (Insecta, Odonata, Lestidae). *Bulletin du Muséum National d'Histoire Naturelle*, Paris, (4), 8 (4), 447–461.
- Nel, A. & Nel, J. (1986) A propos de deux Lépidoptères fossiles du Stampien d'Aix-en-Provence (Lepidoptera, Hesperidae et Nymphalidae Satyrinae). *Bulletin du Muséum National d'Histoire Naturelle*, Paris, (4), 8 (3), 343–350.
- Nel, A. & Séméria, Y. (1986) Une nouvelle espèce de Chrysopidae fossile du Stampien supérieur (Oligocène) d'Aix-en-Provence. *Neuroptera International*, 4 (1), 23–30.
- Nel, A. (1986) Sur la présence du genre *Aeshna* Fabricius, 1775 dans les calcaires stampiens de Céreste (Odonata, Aeshnidae). *L'Entomologiste*, 42 (4), 195–198.
- Nel, A. (1986) Sur trois espèces nouvelles de termites fossiles du Stampien d'Aix-en-Provence (Bouches-du-Rhône) (Dictyoptera, Hodotermitidae, Mastotermitidae). *L'Entomologiste*, 42 (5), 271–278.
- Nel, A. & Papazian, M. (1986) Sur une nouvelle espèce d'Odonate fossile du Stampien de Céreste (Luberon) (Odonata, Lestidae). *Nouvelle Revue d'Entomologie*, (N.S.), 3 (2), 227–233.
- Bigot, L., Nel, A. & Nel, J. (1986) Description de la première espèce fossile connue de Pterophoridae (Lepidoptera Pterophoridae). *Alexanor*, 14 (6), 283–288.

### 1987:

- Nel, A., Gill, G.A. & Nury, D. (1987) Découverte d'empreintes attribuables à des Coelentérés Siphonophores Chondrophorides dans l'Oligocène de Provence. *Comptes-Rendus de l'Académie des Sciences*, Paris, (2), 305, 637–641.
- Nel, A. (1987) Deux nouveaux termites du Tertiaire du Sud-Est de la France (Dictyoptera, Hodotermitidae, Kalotermitidae). *Revue Française d'Entomologie*, (N.S.), 9 (1), 17–20.
- Nel, A. (1987) Un nouveau Calopterygidae fossile des laminites oligocène d'Armissan (Aude, France) (Odonata). *Revue Française d'Entomologie*, (N.S.), 9 (3), 147–148.
- Nel, A. (1987) Sur une nouvelle espèce fossile du genre *Lestes* Leach, 1815, du calcaire stampien de Céreste (Alpes-de-Haute-Provence) (Odonata Lestidae). *L'Entomologiste*, 43 (2), 113–116.
- Nel, A. (1987) Sur la présence du genre *Carabus* L., 1758, dans les calcaires du Stampien de Céreste (Alpes-de-Haute-Provence) (Coleoptera: Carabidae). *L'Entomologiste*, 43 (5), 243–246.
- Nel, A. (1987) Sur une espèce nouvelle d'Aeshnidae du Stampien supérieur du Bois d'Asson (Manosque, Alpes-de-Haute-Provence). *L'Entomologiste*, 43 (6), 321–323.
- Nel, A. (1987) Les Insectes fossiles: leur importance en paléobiogéographie du Tertiaire. Premier Congrès Français de Sédimentologie, Paris, 19 et 20 nov. 1987, 263.

### 1988:

- Nel, A. (1988) Deux *Di cladispa* fossiles des gisements de diatomites néogènes de Bes-Konak (Turquie) et de Murat (France) (Coleoptera, Chrysomelidae Hispinae). *Geobios*, 21 (3), 369–374.

- [https://doi.org/10.1016/S0016-6995\(88\)80059-7](https://doi.org/10.1016/S0016-6995(88)80059-7)
- Nel, A. (1988) Parazacallitinae, nouvelle sous-famille et premier Epallagidae de l'Oligocène européen (Odonata, Zygoptera). *Bulletin du Muséum National d'Histoire Naturelle*, Paris, (4), 10 (2), 175–179.
- Nel, A. (1988) Deux nouveaux Mantispidae (Planipennia) fossiles de l'Oligocène du Sud-Est de la France. *Neuroptera International*, 5 (2), 103–109.
- Nel, A. (1988) Les Sialidae (Megaloptera) fossiles des diatomites de Murat (Cantal, France) et de Bes-Konak (Anatolie, Turquie). *Neuroptera International*, 5 (1), 39–44.
- Nel, A. (1988) Redescription de *Eosirex ligniticus* Piton, 1940 (Hymenoptera, Symphyta, Siricidae). *L'Entomologiste*, 44 (5), 287–292.
- Nel, A. (1988) Une Nèpe fossile de l'Éocène supérieur du bassin d'Alès (Hemiptera, Heteroptera, Nepidae). *Nouvelle Revue d'Entomologie* (N.S.), 5 (3), 273–276.

### 1989:

- Nel, A. (1989) Les Gyrinidae fossiles de France (Coleoptera). *Annales de la Société Entomologique de France* (N.S.), 25 (3), 321–330.
- Nel, A. (1989) Les Calosomes fossiles de l'Oligocène du Sud-Est de la France (Col. Carabidae). *Bulletin de la Société Entomologique de France*, 93 (9–10), 257–268.
- Nel, A. (1989) *Piroutetia liasina* Meunier, 1907, Insecte du Lias de France, espèce-type des Piroutetiidae nov. fam. (Odonatoptera, Meganeurina). *Bulletin du Muséum National d'Histoire Naturelle*, Paris, (4), 11 (1), 15–19.
- Papazian, M. & Nel, A. (1989) Découverte d'une aile de Libellule fossilisée dans le travertin d'Auriol (Bouches-du-Rhône, France) (Odonata, Aeshnidae). *Bulletin du Muséum National d'Histoire Naturelle*, Paris, (4), 11 (3), 141–144.

### 1990:

- Nel, A. (1990) Nouveaux Insectes Neuropteroïdes fossiles de l'Oligocène de France (Neuroptera, Megaloptera). *Bulletin du Muséum National d'Histoire Naturelle*, Paris, (4), 12 (3–4), 327–349.
- Nel, A. & Papazian, M. (1990) Les Coenagrionoidea fossiles de l'Oligocène du Sud-Est de la France (Zygoptera: Platycnemididae, Coenagrionidae). *Odonatologica*, 19 (3), 251–262.
- Nel, A., Séméria, Y. & Martins-Neto, R.G. (1990) Un Raphidioptera fossile du Crétacé inférieur du Brésil (Neuropteroidea). *Neuroptera International*, 6 (1), 27–37.
- Nel, A. & Blot, Ph. (1990) Paléontologie de la paléotufière Éocène de Sézanne (Marne, France) (Insectes Odonata, Trichoptera, Hemiptera, Diptera). *Entomologica Gallica*, 2 (1), 26–31.
- Boulard, M. & Nel, A. (1990) Sur deux Cigales fossiles des terrains tertiaires de la France (Homoptera, Cicadoidea). *Revue Française d'Entomologie*, (N.S.), 12 (1), 37–45.
- Nel, A. & Carriol, R.P. (1990) Mastotermites. *Minéraux et fossiles*, 177, 45.
- Nel, A. (1990) Les Isoptera fossiles (Insecta la Paléoclimatologie et la Paléobiogéographie. Congrès National de Paléontologie, Paris, 1990, Société Géologique France (Ed.), 79.
- Paicheler, J.-C. & Nel, A. (1990) Utilisation des Hemiptera Notonectidae dans l'interprétation des dépôts varvés. Un exemple dans l'Oligo-Miocène lacustre du Gurcu-Dere (Anatolie, Turquie). Congrès national de paléontologie, Paris, 1990, Soc. Géol. Fr. Ed., 81.
- Séméria, Y. & Nel, A. (1990) *Paleochrysopa monteilsensis* gen. et sp. nov., a new fossil of Chrysopidae from the Upper Eocene formation of Monteils (France with a review of the known chrysopid fossils (Insecta, Neuroptera). Advances in Neuropterology, Proceedings of the Third International Symposium on Neuropterology, Berg en Dal, Kruger National Park, R.S.A. 1988. Mansell, M.W. & Aspöck H. (Eds). Pretoria, R.S.A., 1990, 27–32.

### 1991:

- Martínez-Delclòs, X. & Nel, A. (1991) Découverte de trois Insectes fossiles dans l'Oligocène inférieur du Bassin de l'Ebre (Espagne) (Odonata, Lestidae, Aeshnidae). *Bulletin du Muséum National d'Histoire Naturelle*, Paris, (4), 13 (3–4), 157–165.
- Nel, A. (1991) Description et révision de trois "Siricidae" fossiles du Cénozoïque (Hymenoptera, Siricina, Vespina) *Bulletin de la Société Entomologique de France*, 96 (3), 247–253.
- Nel, A. (1991) Un nouvel Odonate fossile du Miocène de Bellver de Cerdana (Espagne) (Odonata, Libellulidae). *Entomologica Gallica*, 2 (3), 129–130.
- Nel, A. (1991) Description de quelques Sieblosiidae fossiles nouveaux (Odonata, Zygoptera, Lestoidea). *Nouvelle Revue d'Entomologie*, (N.S.), 8 (4), 367–375.
- Nel, A. (1991) La généalogie des Insectes. In: *On a marché sur la Terre*, I.C.S. (Ed.), Paris, 208.
- Carriol, R.P. & Nel, A. (1991) Electrapis. *Minéraux et fossiles*, 187, 43.
- Nel, A. (1991) *Analyse d'Entomofaunes cénozoïques. Intérêt de la Paléontologie pour les Sciences de la Terre et de la Vie*. Thèse de Doctorat (nouveau régime Université de Reims-Champagne-Ardenne. Soutenue le 13.12.1991, 1–882.

### 1992:

- Nel, A. (1992) Essai de révision des Berytidae fossiles (Heteroptera, Pentatomorpha). *Bulletin du Muséum National d'Histoire Naturelle*,



Paris, (4), 14 (3–4), 275–287.

52. Nel, A. (1992) Nouveaux Tingidae fossiles du Cénozoïque de France (Heteroptera). *Travaux du laboratoire de Biologie et Evolution des Insectes, École Pratique des Hautes Etudes, Paris*, 5, 97–104.
53. Nel, A. (1992) Redescription de la Libellule fossile “*Malmagrimon eichstaettense* (Hagen, 1862)” (Odonatoptera, Odonata, Archizyoptera, Jurassique supérieur). *Bulletin de la Société Entomologique de France*, 96 (5), 433–442.
54. Nel, A. & Henrotay, M. (1992) Les Protomyrmeleontidae (Odonatoptera, Odonata, Archizyoptera stat. res.). État actuel des connaissances. *Annales de Paléontologie, (Vert. Invert.)*, 78 (1), 1–47.
55. Nel, A. (1992) Révision du statut de *Manevalia pachyliformis* Piton, 1940 (Insecta, Heteroptera, Hymenoptera). *Entomologica Gallica*, 3 (2), 76–77.
56. Nel, A. & Escuillé, F. (1992) Présence du genre *Stenolestes* Scudder, 1895 dans les laminites oligocènes du Revest-des-Brousses (Lubéron, France). (Insecta, Odonata, Zygoptera, Lestoidea, Sieblosiidae). *L'Entomologiste*, 48 (4), 1–13.
57. Nel, A. & Papazian, M. (1992) Redescription de *Calopteryx sannoisiensis* Meunier, 1914, Odonata fossile de l'Oligocène terminal d'Aix-en-Provence. (Odonata, Calopterygidae). *Entomologica Gallica*, 3 (1), 10–12.
- 1993:**
58. Martins-Neto, R.G. & Nel, A. (1992 (1993)) Un nouveau fossile de Raphidioptera de la formation Santana (Insecta, Neuropteroidea, Crétacé inférieur, Nord-Est du Brésil). *Bulletin de la Société Entomologique de France*, 97 (5), 425–428.
59. Nel, A. (1993) Révision de la Libellule fossile miocène *Lithogomphus münsbergianus* Beier, 1952 (Odonata, Gomphoidea). *Bulletin du Muséum National d'Histoire Naturelle, Paris*, (4), 14 (2), 157–160.
60. Nel, A. & Martínez-Delclòs, X. (1993) Nuevos Zygoptera y Anisoptera (Insecta, Odonata) en el Cretácico inferior de España. *Estudios Geológico*, 49 (5–6), 351–359.  
<https://doi.org/10.3989/egool.93495-6362>
61. Nel, A. & Paicheler, J.-C. (1992 (1993)) Les Odonata fossiles: État actuel des connaissances. Huitième partie: Les Calopterygoidea fossiles (Odonata, Zygoptera). *Bulletin de la Société Entomologique de France*, 97 (4), 381–396.
62. Nel, A., Nel, J. & Balme, Ch. (1993) Un nouveau Lépidoptère Satyriinae fossile de l'Oligocène du Sud-Est de la France (Insecta, Lepidoptera, Nymphalidae). *Linneana Belgica*, 14 (1), 20–36.
63. Voisin, J.-F. & Nel, A. (1993) Un *Lixus* fossile du Miocène français. (Coleoptera, Curculionidae, Cleoninae). *Bulletin de la Société Entomologique de France*, 98 (1), 19–21.
64. Nel, A. and Paicheler, J.-C. 1992–1993. Les Heteroptera aquatiques fossiles. État actuel des connaissances (Insecta Heteroptera). *Entomologica Gallica*, 3 (4), 159–182 (part. 1); 4 (1), 15–21 (part. 2), 4 (2/3), 79–89 (part. 3).
65. Nel, A. & Paicheler, J.-C. (1992 (1993)) Les Odonata fossiles: état actuel des connaissances. Deuxième partie: Les Petaluroidea et Cordulegastridae fossiles. (Odonata, Anisoptera, Petaluroidea). *Nouvelle Revue d'Entomologie, (N.S.)*, 9 (4): 305–323
66. Nel, A. (1993) Nouveaux Raphidioptera fossiles du Cénozoïque de France. E.P.H.E., *Travaux du Laboratoire de Biologie et d'Evolution des Insectes*, 6, 99–108.
67. Nel, A. & Escuillé, F. (1993) Découverte d'un nouveau genre de Sieblosiidae dans le Miocène supérieur de l'Ardèche (France) (Odonata, Zygoptera, Lestoidea, Sieblosiidae). *Nouvelle Revue d'Entomologie, (N.S.)*, 10 (3), 233–242.
68. Nel, A. and Paicheler, J.-C. (1993) Les Odonata fossiles: État actuel des connaissances. Septième partie: Les Coenagrionoidea fossiles (Odonata, Zygoptera). *Entomologica Gallica*, 4 (2/3), 59–63.
69. Nel, A., Martínez-Delclòs, X., Paicheler, J.-C. & Henrotay, M. (1993) Les “Anisozygoptera” fossiles. Phylogénie et classification. (Odonata). *Martinia*, numéro hors série 3, Juin 1993, 1–311.
70. Nel, A. & Martínez-Delclòs, X. (1993) Essai de révision des Aeshnidoidea (Odonata, Anisoptera). *Cahiers de Paléontologie, C.N.R.S. (Ed.)*, 1–99.  
[https://doi.org/10.1016/0016-6995\(93\)80035-P](https://doi.org/10.1016/0016-6995(93)80035-P)
71. Nel, A. & Paicheler, J.-C. (1993) Les Isoptera fossiles. État actuel des connaissances, implications paléocologiques et paléoclimatiques. *Cahiers de Paléontologie, C.N.R.S. (Ed.)*, 102–179.
- 1994:**
72. Nel, A. (1994) Revision of the Miocene genus *Lithobibio* Beier, 1952 (Diptera, Bibionidae). *European Journal of Entomology*, 91, 451–454.
73. Nel, A. & Escuillé, F. (1994) A new dragonfly from the Lower Cretaceous of Brazil. (Odonata, Anisoptera). *Palaeontology*, 37 (4), 923–930.
74. Nel, A. & Henrotay, M. (1994) Les Chrysopidae mésozoïques. État actuel des connaissances. Découverte d'un nouveau genre et nouvelle espèce dans le Jurassique inférieur (Lias) (Insecta, Planipennia, Chrysopidae). *Annales de la Société Entomologique de France, (N.S.)*, 30 (3), 293–318.
75. Nel, A. & Paicheler, J.-C. (1994) Les Gomphidae fossiles. Un inventaire critique (Odonata, Gomphidae). *Annales de la Société Entomologique de France, (N.S.)*, 30 (1), 55–77.
76. Nel, A., Martínez-Delclòs, X., Escuillé, F. & Brisac, P. (1994) Les Aeshnidae fossiles. Un inventaire critique (Odonata, Anisoptera). *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen, Stuttgart*, 194 (2/3), 143–186.
77. Papier, F., Grauvogel-Stamm, L. & Nel, A. (1994) *Subioblatta undulata* n. sp., une nouvelle blatte (Subioblattidae Schneider) du Bundstänstein supérieur (Anisien) des Vosges (France). Morphologie, systématique et affinités. *Neues Jahrbuch für Geologie und Paläontologie, Mh.*, 1994 (5), 277–290.
78. Martínez-Delclòs, X. & Nel, A. (1994) Los Gomphidae (Odonata, Anisoptera) del Cretácico inferior de España. *Revista Española de Paleontología*, 9 (2), 176–184.
79. Nel, A. (1994) Traces d'activités d'insectes dans des bois et fruits fossiles de la formation de Nkondo (Mio-Pliocène du Rift occidental, Ouganda) (Insecta Coleoptera, Isoptera, Hymenoptera). *In: Geology and Palaeobiology of the Albertine Rift Valley, Uganda-Zaire. 2: Palaeobiology. CIFE Occas. Publ. Orléans*, 29, 47–57.
80. Nel, A. & Brisac, P. (1994) Découverte du premier *Calopteryx* fossile du Miocène de l'Ardèche (Odonata, Calopterygidae). *Bulletin de la Société Entomologique de France*, 99 (1), 27–30.
81. Nel, A. & Paicheler, J.-C. (1994) Les Lestoidea fossiles. Un inventaire critique (Odonata, Zygoptera). *Annales de Paléontologie*, 90 (1), 1–59
82. Nel, A., Albouy, V. Caussanel, C. & Jamet, C. (1994) Réflexion sur la Paléontologie dans la systématique des Dermaptères. Quatre nouveaux Forficules fossiles de l'Oligocène de Provence. (Insecta, Dermaptera). *Bulletin de la Société Entomologique de France*, 99 (3), 253–266.
83. Nel, A. & Paicheler, J.-C. (1993 (1994)) Les Libellulidae fossiles. Un inventaire critique (Odonata, Anisoptera, Libelluloidea). *Entomologica Gallica*, 4 (4), 166–190.
84. Nel, A. & Paicheler, J.-C. (1994) Les Libelluloidea fossiles autres que Libellulidae. Un inventaire critique (Odonata, Cordulidae, Macromiidae, Synthemistidae, Chlorogomphidae et Mesophlebiidae). *Nouvelle Revue Entomologie, (N.S.)*, 11 (4), 321–334.
85. Nel, A., Peñalver, E. & Martínez-Delclòs, X. (1994) Presencia de la subfamilia Nothochrysinæ (Insecta: Neuroptera: Chrysopidae) en el Mioceno Inferior lacustre de Ribesalbes (Castellón, España). *Comunicaciones de las X Jornadas de Paleontología, Madrid*, 146–148.
- 1995:**
86. Martínez-Delclòs, X., Nel, A., & Popov, Y.A. (1995) Systematics and functional morphology of *Iberonepa romerali* n. gen., n. sp. Belostomatidae Stygeonepinae from the Spanish Lower Cretaceous (Insecta, Heteroptera). *Journal of Paleontology*, 69 (3), 496–508.  
<https://doi.org/10.1017/S0022336000034880>
87. Nel, A. & Arillo, A. (1995) Révision de *Mastotermes haidingeri* (Heer, 1849). Description de deux nouveaux *Mastotermes* de l'Oligocène de France et d'Espagne. (Isoptera, Mastotermitidae). *Bulletin de la Société Entomologique de France*, 100 (1), 67–74.
88. Nel, A., Arillo, A. & Ortuño, V.M. (1995) Découverte du premier Libellulidae: Trameinae de l'Oligocène d'Espagne. (Odonata: Libelluloidea). *Bulletin de la Société Entomologique de France*, 100 (5), 487–488.
89. Penalver, E., Nel, A. & Martínez-Delclòs, X. (1995) Description d'un nouveau genre de Chrysopidae: Nothochrysinæ dans l'Oligocène d'Espagne. *Bulletin de la Société Entomologique de France*, 100 (5), 481–487.
90. Riou, B. and Nel, A. 1995. Nouveaux Odonates fossiles du Miocène supérieur de l'Ardèche. (Odonata: Sieblosiidae, Lestidae, Aeshnidae, Libellulidae, Corduliidae). E.P.H.E., *Biologie et Evolution des Insectes, Paris*, 7/8, 125–144.
91. Martínez-Delclòs, X. & Nel, A. (1995) Arthropods. pp. 39–46. *In: Montsec and Mont-Ral - Alcover, two Konservat-Lagerstätten. Catalonia, Spain.* Martínez-Delclòs (X.) (coord. International Symposium on lithographic limestones, Pre-Symposium field-trip, 9–11 July 1995, Institut d'Estudis Il·lencencs, 1–97.
92. Martínez-Delclòs, X. & Nel, A. (1995) Decapods and Mysidaceans - Insects. pp. 35 + 36–41. *In: Las Hoyas. A lacustrine Konservat-Lagerstätten. Cuenca, Spain.* Meléndez (N.) (coord. International Symposium on lithographic limestones, Pre-Symposium field-trip, 9–11 July 1995, Institut d'Estudis Il·lencencs, 1–89.
- 1996:**
93. Jarzembowski, E.A. & Nel, A. (1996) A new genus and species of hawker dragonfly (Aeshnidae) from the Lower Cretaceous of southern England. *Cretaceous Research*, 17 (1), 97–101.  
<https://doi.org/10.1006/cres.1996.0007>
94. Jarzembowski, E.A. & Nel, A. (1996) New fossil dragonflies from the Lower Cretaceous of SE England and the phylogeny of the superfamily Libelluloidea (Insecta: Odonata). *Cretaceous Research*, 17, 67–85.  
<https://doi.org/10.1006/cres.1996.0005>
95. Martill, D.M. & Nel, A. (1996) A new dragonfly from the Crato Formation (Lower Cretaceous, Aptian) of N.E. Brazil. *Neues Jahrbuch für Paläontologie und Geologie, Mh.*, 1996 (5), 279–292.
96. Nel, A. & Jarzembowski, E.A. (1996) Description and revision of some dragonflies (“Anisozygoptera”) from the Lower Cretaceous of England (Odonata: Stenophlebiidae, Campteroptlebiidae?, Epiophlebiidae, Euthemistidae). *Cretaceous Research*, 17 (1), 87–96.  
<https://doi.org/10.1006/cres.1996.0006>
97. Nel, A. & Roy, R. (1996) Revision of the fossil “mantid” and



- “ephemerid” species described by Piton from the Palaeocene of Menat (France) (Mantodea: Chaeteessidae, Mantidae; Ensifera: Tettigoniidae). *European Journal of Entomology*, 93, 223–234.
98. Nel, A., Caussanel, C. & Ly, B.A. (1996) *Psammotermes hybostoma* Desneux, 1902 in Islamic Republic of Mauritania. Economical and ecological implications. *Annales de la Société entomologique de France*, (N.S.), 32 (4), 467–473.
99. Nel, A., Arillo, A. & Martínez-Delclòs, X. (1996) New fossil Odonata from the Upper Miocene of France and Spain. (Insecta, Odonata, Anisoptera, Zygoptera). *Neues Jahrbuch für Paläontologie und Geologie, Abhandlungen*, 199 (2), 167–219. <https://doi.org/10.1127/njgpa/199/1996/167>
100. Nel, J., Nel, A. & Ly, B.A. (1996) Contribution à la connaissance des Microlépidoptères de la Mauritanie (Lepidoptera: Pterophoroidea: Gelechioidea). *Annales de la Société Entomologique de France*, (N.S.), 32 (4), 451–460.
101. Arillo, A., Nel, A. & Ortuño, V.M. (1996) Two fossil bees from the Oligocene of Izarra (Alava, Spain) (Hymenoptera, Apoidea). *Bulletin de la Société Entomologique de France*, 101 (1), 59–64.
102. Caussanel, C., Dia, A.T., Nel, A., Bouraya, I.O. & Thibaud, J.M. (1996) Prospection préliminaire de la biodiversité des insectes des sables littoraux de Mauritanie. *Bulletin de la Société entomologique de France*, 102 (1), 67–72.
103. Nel, A. (1996) Le premier représentant fossile du genre *Ibalia* dans le Miocène supérieur du Cantal (France) (Hymenoptera: Cynipoidea: Ibalidae). *Bulletin de la Société Entomologique de France*, 101 (2), 141–143.
104. Nel, A. (1996) Un Tettigarctidae fossile du Lias européen (Cicadomorpha, Cicadoidea, Tettigarctidae). *EPHE, Biologie et Evolution des Insectes*, 9, 83–94.
105. Nel, A., Bechly, G. & Martínez-Delclòs, X. (1996) A new genus and species of Aeschniidae from the Upper Jurassic lithographic limestone of Germany (Insecta: Odonata: Anisoptera). *Senckenbergiana Lethaea*, 76 (1–2), 175–179. <https://doi.org/10.1007/BF03042848>
106. Papier, F., Grauvogel-Stamm, L. & Nel, A. (1996) Nouveaux Blattodea du Bundstänstein supérieur des Vosges (France). *Paleontologia Lombarda*, (N.S.), 5, 47–59.
107. Papier, F., Nel, A. & Grauvogel-Stamm, L. (1996) Deux nouveaux insectes Mecopteroidea (Insecta: Pseudopolycentropidae et Mesopanorpidae) du Bundstänstein supérieur (Trias) des Vosges (France). *Paleontologia Lombarda*, (N.S.), 5, 37–46.
108. Peñalver, E., Nel, A. & Martínez-Delclòs, X. (1996) Insectos del Mioceno inferior de Ribesalbes (Castellón, España). Paleoptera y Neoptera poli y paraneoptera. *Treballs del Museu de Geologia de Barcelona*, 5, 15–95.
- 1997:**
109. Gand, G., Lapeyrie, J., Garric, J., Nel, A., Schneider, J.W. & Walter, H. (1997) Découvertes d'Arthropodes et de Lamellibranches inédits dans le Permien continental (Lodévois, France). *Comptes-Rendus de l'Académie des Sciences, Paris*, 325, 891–898. [https://doi.org/10.1016/S1251-8050\(99\)80190-6](https://doi.org/10.1016/S1251-8050(99)80190-6)
110. Madsen, H.O.R. & Nel, A. (1997) Two new fossil species of *Gomphaeschna* Selys, 1871 in the Paleocene / Eocene of Denmark (Odonata: Aeshnidae). *Annales de la Société Entomologique de France*, (N.S.), 33 (3), 285–293.
111. Mampouya, D., Fleck, G. & Nel, A. (1997) A new species of termite from Senegal (Isoptera: Termitidae). *Annales de la Société Entomologique de France*, (N.S.), 33 (1), 39–46.
112. Masselot, G., Nel, A., Thomas, A. & Nel, J. (1997) Parcimonie de Wagner et biomonitoring de cours d'eau: application au bassin de la Risle (Normandie, France). *Annales de la Société Entomologique de France*, (N.S.), 33 (3), 237–258.
113. Nel, A. & Jarzembowski, E.A. (1997) New fossil Sisyridae and Neurothidae from Eocene Baltic amber and Upper Miocene of France (Insecta: Neuroptera). *European Journal of Entomology*, 94, 287–294.
114. Nel, A. & Jarzembowski, E.A. (1997) Revision of the British Liassic insect genus *Progonophlebia* Tillyard, 1925 (Odonata: Anisoptera): Isophlebiidae: Progonophlebiidae. *Modern Geology*, 21, 225–230.
115. Papier, F., Nel, A. & Grauvogel-Stamm, L. (1997) La plus ancienne sauterelle Tettigoniidae (Trias, NE France): mimétisme ou exaptation? *Paläontologische Zeitschrift*, 71 (1–2), 71–77. <https://doi.org/10.1007/BF03022547>
116. Arillo, A., Ortuño, V. & Nel, A. (1997) Description of an enigmatic insect from Baltic amber. *Bulletin de la Société entomologique de France*, 102 (1), 11–14.
117. Bechly, G., Nel, A. & Martínez-Delclòs, X. (1997) Redescription of *Nannogomphus bavaricus* Handlirsch, 1906, fossil Gomphidae from the Upper Jurassic of Germany. (Odonata, Anisoptera). *Archaeopteryx*, 14, 51–66.
118. Henrotay, M., Nel, A. & Jarzembowski, E.A. (1997) New protomyrmeleontid damselflies from the Triassic of Australia and the Liassic of Luxembourg (Odonatoptera: Protozygoptera: Archizygoptera: Protomyrmeleontidae). *Odonatologica*, 26 (4), 395–404.
119. Martínez-Delclòs, X. and Nel, A. 1997. Discovery of a new Protomyrmeleontidae in the Upper Jurassic from Germany. (Odonatoptera, Odonata, Archizygoptera). *Archaeopteryx*, 14: 67–73.
120. Nel, A. (1997) The probabilistic inference of unknown data in phylogenetic analysis. In: Grancolas, P. (Ed.). The origin of biodiversity in insects: phylogenetic tests of evolutionary scenarios. *Mémoires du Muséum national d'Histoire naturelle, Paris*, 173, 305–327.
121. Nel, A., Arillo, A. & Ortuño, V. (1997) New Western Palaeartic Cenozoic Odonata. (Insecta: Odonata: Zygoptera and Anisoptera). *Bulletin de la Société Entomologique de France*, 102 (3), 265–270.
122. Nel, A., Martínez-Delclòs, X., Papier, F. & Oudard, J. (1997) New Tertiary fossil Odonata from France. (Sieblosiidae, Lestidae, Coenagrionidae, Megapodagrionidae, Libellulidae). *Deutsche Entomologische Zeitschrift*, 44 (2), 231–258. <https://doi.org/10.1002/mmnd.4800440210>
123. Nel, A., Papier, F., Stamm-Grauvogel, L. & Gall, J.-C. (1997) *Voltzialestes triasicus*, n. gen., n. sp., le premier Odonata fossile du Trias des Vosges (France). Morphologie, affinités et phylogénie. (Odonatoptera, Odonata, Protozygoptera). *Paleontologia Lombarda*, (N.S.), 5: 25–36.
124. Masselot, G., Nel, A. & Thomas, A. (1997) Cladistics and Freshwater biomonitoring. Abstracts n°291. 45th Annual Meeting of the North American Benthological Society. San Marcos. Texas
125. Nel, J., Masselot, G., Nel, A., Thomas, A., Fleck, G., Brulin, M. & Escuillié, F. (1997) An investigation on the cladistic method applied to synecological analyses. Abstract n°341. 45th Annual Meeting of the North American Benthological Society. San Marcos. Texas.
- 1998:**
126. Gall, J.-C., Grauvogel-Stamm, L., Nel, A. & Papier, F. (1998) La crise biologique du Permien et la renaissance triassique. *Comptes-Rendus de l'Académie des Sciences de Paris, Sciences de la Terre et des Planètes*, 326, 1–12. [https://doi.org/10.1016/S1251-8050\(97\)83197-7](https://doi.org/10.1016/S1251-8050(97)83197-7)
127. Jarzembowski, E.A., Martínez-Delclòs, X., Bechly, G., Nel, A., Coram, R. & Escuillié, F. (1998) The Mesozoic non - Calopterygoidea Zygoptera: description of new genera and species from the Lower Cretaceous of England and Brazil and their phylogenetic significance. (Odonata, Zygoptera, Coenagrionoidea, Hemiphlebiidae, Lestoidea). *Cretaceous Research*, 19, 403–444. <https://doi.org/10.1006/crel.1997.0113>
128. Lefèvre, F., Papier, F., Grauvogel-Stamm, L. & Nel, A. (1998) The first 'cicada-like Homoptera' from the Triassic of the Vosges, France. *Paleontologia*, 41 (6), 1195–1200.
129. Nel, A. & Jarzembowski, E.A. (1998) New Protomyrmeleontid dragonflies from the Lower Cretaceous of Southern England. (Insecta, Odonata, Archizygoptera). *Cretaceous Research*, 19, 393–402. <https://doi.org/10.1006/crel.1998.0110>
130. Nel, A., Nel, J., Masselot, G. & Thomas, A. (1998) An investigation into the application of the Wagner parsimony method in synecology. *Biological Journal of the Linnean Society*, 65 (2), 165–189. <https://doi.org/10.1111/j.1095-8312.1998.tb00354.x>
131. Nel, A., Zarbout, M., Barale, G. & Philippe, M. (1998) *Liassotettigarcta africana* sp. n. (Auchenorrhyncha: Cicadoidea: Tettigarctidae), the first Mesozoic insect from Tunisia. *European Journal of Entomology*, 95, 593–598.
132. Bechly, G., Nel, A., Martínez-Delclòs, X. & Fleck, G. (1998) Four new dragonfly species from the Upper Jurassic of Germany and the Lower Cretaceous of Mongolia (Anisoptera: Hemeroscopidae, Sonidae, and Proterogomphidae fam. nov.). *Odonatologica*, Bilthoven, 27 (2), 149–187.
133. Henrotay, M., Marques, D., Paicheler, J.-C., Gall, J.-C. & Nel, A. (1998) Le Toarcien inférieur des régions de Bascharage et de Bettembourg (Grand-Duché du Luxembourg): mise en évidence d'un épisode d'émersion. *Geodiversitas*, Paris, 20 (2), 263–284.
134. Nel, A., de Ploëg, G., Menier, J.-J., Gheerbrandt, E., Godinot, M. & Jossang, A. 1998. Un gisement à ambre fossilifère dans l'Oise. Création de la première collection nationale d'ambre français. *Les amis du Muséum National d'Histoire naturelle*, juin 1998, 194, 24.
135. Nel, A., De Ploëg, G., Gheerbrandt, E., Godinot, M., Menier, J.-J. & Jossang, A. (1998) Un gisement à ambre fossilifère dans l'Oise. Création de la première collection nationale d'ambre français. *Minéraux et Fossiles*, n 264, juillet-août 1998, 25–29.
136. Nel, A., Bechly, G., Martínez-Delclòs, X. & Jarzembowski, E.A. (1998) A new revision of the Recent and fossil Petaluridae (Insecta, Odonata, Anisoptera). *Paleontologia Lombarda*, (N.S.), 10, 1–68.
137. De Ploëg, G., Dutheil, D., Gheerbrandt, E., Godinot, M., Jossang, A., Menier, J.J., Nel, A., Paicheler, J.-C., Pons, D. & Rage, J.-C. (1998) Un nouveau gisement paléontologique Konservat-Lagerstätte à la base de l'Éocène dans la région de Creil (Oise). In: The Palaeocene/Eocene boundary in Europe: events and correlations. Symposium S.G.F., Paris, 19–20 janvier 1998, 5 pp.
138. Godinot, M., Dutheil, D., Galoyer, A., Gheerbrandt, E., Nel, A., De Ploëg, G. & Russell, D.E. (1998) The Plesiadapidae across the Paleocene-Eocene boundary in the Paris Basin. In: The Palaeocene/Eocene boundary in Europe: events and correlations. Symposium S.G.F., Paris, 19–20 janvier 1998, 2 pp.
139. Nel, A., Lacau, S., De Ploëg, G., Menier, J.-J., Paicheler, J.-C. & Bouchet, F. (1998) A new fossiliferous amber from the department of Oise (Paris Basin, France). In: 1<sup>st</sup> World Congress on amber inclusions, Vitoria-Gasteiz, Provincia de Alava-Araba, Pays Basque, 20–23 Abstracts, 84.
140. Petrulevicius, J.F. & Nel, A. (1998) Odonata from the Late Paleocene,

Maiz Gordo formation (Northwest Argentina). 10 Congreso Latinoamericano de Geología, Poster, 3 pp.

**1999:**

141. Azar, D., Nel, A., Solignac M., Paicheler J.-C. & Bouchet F. (1999) New genera and species of psychodoid flies from the Lower Cretaceous amber of Lebanon. *Palaeontology*, 42 (6), 1101–1136. <https://doi.org/10.1111/1475-4983.00112>
142. Bitsch, J. & Nel, A., (1999) Morphology & classification of the extinct Archaeognatha and related taxa (Hexapoda). *Annales de la Société Entomologique de France, (N.S.)*, 35 (1), 17–29.
143. Fleck, G., Nel, A. & Martínez-Delclòs, X. (1999) The oldest record of the Libellulidae from the Upper Cretaceous of Kazakhstan (Odonata, Anisoptera). *Cretaceous Research*, 20 (5), 655–658. <https://doi.org/10.1006/cres.1999.0166>
144. Nel, A., de Ploëg, G., Dejax, J., Dutheil, D., de Franceschi, D., Gheerbrant, E., Godinot, M., Hervet, S., Menier, J.-J., Augé, M., Bignot, G., Cavagnetto, C., Duffaud, S., Gaudant, J., Hua, S., Jossang, A., de Lapparent de Broin, F., Pozzi, J.-P., Paicheler, J.-C., Bouchet, F. & Rage, J.-C. (1999) Un gisement sparnacien exceptionnel à plantes, arthropodes et vertébrés (Éocène basal, MP7): Le Quesnoy (Oise, France). *Comptes-Rendus de l'Académie des Sciences, Paris, (IIa)*, 329, 65–72. [https://doi.org/10.1016/S1251-8050\(99\)80229-8](https://doi.org/10.1016/S1251-8050(99)80229-8)
145. Nel, A., Fleck, G., Béthoux, O., Gand, G., Lapeyrie, J. & Garric, J. (1999) *Saxonagrion minutus* nov. gen., nov. sp., the oldest damselfly from the Upper Permian of France (Odonatoptera, Panodonata, Saxonagrionidae fam. nov.). *Geobios*, 32 (6), 883–888. [https://doi.org/10.1016/S0016-6995\(99\)80870-5](https://doi.org/10.1016/S0016-6995(99)80870-5)
146. Nel, A., Gand, G. & Garric, J. (1999) A new family of Odonatoptera from the continental Upper Permian: the Lapeyriidae (Lodève Basin, France). *Geobios*, 32 (1), 63–72. [https://doi.org/10.1016/S0016-6995\(99\)80083-7](https://doi.org/10.1016/S0016-6995(99)80083-7)
147. Nel, A., Gand, G., Garric, J., Jarzembowski, A.E. & Lapeyrie, J. (1999) The first recorded protozogyopteran insects from the Upper Permian of France. *Palaeontology*, 42 (1), 83–97. <https://doi.org/10.1111/1475-4983.00063>
148. Nel, A., Martínez-Delclòs, X., Arillo, A. & Peñalver, E. (1999) The fossil *Apis* Linnaeus, 1758 (Hymenoptera, Apidae). *Palaeontology*, 42 (2), 44 pp. <https://doi.org/10.1111/1475-4983.00073>
149. Petrulevicius, J.F., Nel, A. & Muzon, J. (1999) A new libelluloid family in the Palaeocene of Argentina. *Palaeontology*, 42, 677–682. <https://doi.org/10.1111/1475-4983.00091>
150. Azar, D., Fleck, G., Nel, A. & Solignac, M. (1999) A new enicocephalid bug, *Enicocephalinus acragrimaldii* gen. nov., sp. nov., from the Lower Cretaceous amber of Lebanon (Insecta, Heteroptera, Enicocephalidae). *Estudios del Museo de Ciencias Naturales de Alava*, 14 (Número especial 2), 219–231.
151. Nel, A. & Jarzembowski, A.E. (1999) Fossil damselflies and dragonflies (Insecta: Odonata) from the Late Upper Eocene of southern England. *Proceedings of the Geologists' Association*, 110, 193–201. [https://doi.org/10.1016/S0016-7878\(99\)80069-8](https://doi.org/10.1016/S0016-7878(99)80069-8)
152. Prokop, J. & Nel, A. (1999) Tertiary termite from Bilina Mine locality in northern Bohemia (Isoptera: Hodotermitidae). *Klapakiana*, 35, 141–144.
153. Brulin, M., Thomas, A., Nel, A. & Nel, J. (1999) Addition à la faune des éphémères de France (4): *Ecdyonurus zelleri* (Eaton, 1885) (Ephemeroptera: Heptageniidae). *Ephemerida*, 1 (1), 29–30.
154. Nel, A., Menier, J.-J. & De Ploëg, G. (1999) L'ambre fossilifère du gisement de la région de Creil. *Universalis 1999*, publication annuelle de l'Encyclopedia Universalis, Paris.

**2000:**

155. Lacau, S., Nel, A., Villemant, C., Menier, J.J., Orliac, M. J. & De Ploëg, G. (2000) A fossil Scolebythidae from the Lowermost Eocene amber of France (Insecta: Hymenoptera). *Annals of the Entomological Society of America*, 93 (4), 701–706. [https://doi.org/10.1603/0013-8746\(2000\)093\[0701:AFSFTL\]2.0.CO;2](https://doi.org/10.1603/0013-8746(2000)093[0701:AFSFTL]2.0.CO;2)
156. Nel, A. & Popov, Y. A. (2000) The oldest known fossil Hydrometridae from the Lower Cretaceous of Brazil. (Heteroptera: Gerromorpha). *Journal of Natural History*, 34 (3), 2315–2322. <https://doi.org/10.1080/002229300750037910>
157. Prokop, J. & Nel, A. (2000) *Merlax bohemicus* gen. n., sp. n., a new fossil dragonfly from the Lower Miocene of northern Bohemia (Odonata: Aeshnidae). *European Journal of Entomology*, 97, 427–431. <https://doi.org/10.14411/eje.2000.065>
158. Schuster, M., Düringer, P., Nel, A., Brunet, M., Vignaud, P. & Mackaye, H.T. (2000) Découverte de termitières fossiles dans les sites à vertébrés du Pliocène tchadien: description, identification et implications paléocécologique. *Comptes-Rendus de l'Académie des Sciences, Paris, Sciences de la Terre et des Planètes*, 331, 15–20. [https://doi.org/10.1016/S1251-8050\(00\)01377-X](https://doi.org/10.1016/S1251-8050(00)01377-X)
159. Arillo, A. & Nel, A. (2000) Two new fossil cecidomyiids flies from the Lower Cretaceous amber of Alava (Spain) (Diptera, Cecidomyiidae). *Bulletin de la Société Entomologique de France*, 105 (3), 285–288.
160. Azar, D., Nel, A. & Solignac, M. (2000) A new Coniopterygidae from the Lebanese amber. *Acta Geologica Hispanica*, 35 (1–2), 31–36.
161. Fernández-Rubio, F. & Nel, A. (2000) *Neurosymploca (?) oligocenica* a new fossil species of Lepidoptera Zygaenoidea from the Oligocene

of Céreste (Lubéron, France). *Boletín de la Sociedad Entomológica Aragonesa*, 27, 7–16.

162. Fleck, G., Nel, A., De Ploëg, G. & Masselot, G. (2000) New fossil dragonfly from the Lowermost Eocene amber of France (Insecta, Odonata, Anisoptera). *Acta Geologica Hispanica*, 35 (1–2), 131–134.
163. Nel, J. & Nel, A. (2000) Contribution à la connaissance des Lépidoptères des îles Canaries, avec la description de *Coccidiphila patriciae* n. sp. (Lepidoptera: Cosmopterigidae). *Bulletin de la Société Entomologique de France*, 105 (4), 381–385.
164. Nel, J. & Nel, A. (2000) Microlépidoptères méconnus: plus de 750 espèces en danger en France. Plaidoyer pour une recherche fondamentale négligée (Insecta, Lepidoptera). *Bulletin de la Société Entomologique de France*, 105 (3), 213–216
165. Papier, F., Nel, A. & Grauvogel-Stamm, L. (2000) Nouveaux Orthoptères (Ensifera, Insecta) du Trias des Vosges (France). *Acta Geologica Hispanica*, 35 (1–2): 5–18.
166. Waller, A., Nel, A. & Menier, J.-J. (2000) Le premier *Dilophus* fossile de l'ambre dominicain (Diptera: Bibionidae). *Revue Française d'Entomologie*, 22 (4), 149–153.
167. Masselot, G., Nel, A. & Thomas, A. (2000) The synecoparsimony method: a complementary tool to the analysis of benthic macroinvertebrate communities under hydraulic disturbances. p. 66. *In: 8th International Symposium of regulated stream- River restoration (EISORS)- CESAC, Université Paul Sabatier, 17–21 juillet 2000, 104 pp.*
168. Schuster, M., Düringer, P., Nel, A., Brunet, M., Cambefort, Y. & Vignaud, P. (2000) Les nids d'insectes fossiles (Coléoptères et Termites) et leurs apports dans les reconstitutions paléoenvironnementales des sites à Australopithèques du Pliocène tchadien. Résumé Colloque PEH, Poitiers, Septembre 2000, 1 page.

**2001:**

169. Béthoux, O., Nel, A., Gand, G. & Lapeyrie, J. (2001) *Surijoka canalsensis* nov. sp.: the first Glosselytroidea (Insecta) from the Upper Permian of France (Lodève Basin). *Geobios*, 34 (4), 405–413. [https://doi.org/10.1016/S0016-6995\(01\)80004-8](https://doi.org/10.1016/S0016-6995(01)80004-8)
170. Fleck, G., Nel, A., Bechly, G. & Martínez-Delclòs, X. (2001) Revision and phylogenetic affinities of the Jurassic Steleopteridae Handlirsch, 1906 (Insecta: Odonata: Zygoptera). *Insect Systematics & Evolution*, 32, 285–305. <https://doi.org/10.1163/187631201X00227>
171. Nel, A., Béthoux, O., Bechly, G., Martínez-Delclòs, X. & Papier, F. (2001) The Permo-Triassic Odonatoptera of the 'protodonate' grade (Insecta: Odonatoptera). *Annales de la Société Entomologique de France*, 37 (4), 501–525.
172. Perochon, E., Masselot, G. & Nel, A. (2001) Sampling problem in synecological analyses. A concrete example in freshwater biomonitoring. *Annales de la Société Entomologique de France, (N.S.)*, 37 (3), 341–346.
173. Ensaf, A., Betsch, J.-M. & Nel, A. (2001) *Cornitermes pugnax* Emerson, 1925, nouvelle espèce de termite pour la Guyane française (Isoptera, Termitidae, Nasutitermitinae). *Bulletin de la Société Entomologique de France*, 106 (3), 240.
174. Ensaf, A., Betsch, J.-M. & Nel, A. (2001) *Cylindrotermes parvignathus* Emerson, 1949, nouvelle espèce de termite pour la Guyane française (Isoptera, Termitidae, Amitermitinae). *Bulletin de la Société Entomologique de France*, 106 (4), 427–428.
175. Fleck, G., Takayasu, M., Nel, A. & Brunet, C. (2001) Notes sur les larves de la famille fossile Aeschnidiidae (Odonata, Anisoptera). *Bulletin de la Société Entomologique de France*, 106 (4), 329–335.
176. Gee, J., Nel, A., Menier, J.-J. & De Ploëg, G. (2001) A new lovebug fly (Insecta: Diptera: Bibionidae) from the lowermost Eocene amber of the Paris Basin. *Geodiversitas*, 23 (3), 341–348.
177. Huang, D.Y. & Nel, A. (2001) New 'hemeroscopid' larvae from the Lower Cretaceous of China: systematic and phylogenetic implications (Anisoptera). *Odonatologica*, 30 (3), 341–345.
178. Nel, A. & Nel, J. (2001) Nouvelles citations de *Cacyreus marshalli* Butler, 1898, pour la France et l'Espagne (Lep., Lycaenidae). *Bulletin de la Société Entomologique de France*, 105 (4), 386.
179. Nel, A., Bechly, G., Martínez-Delclòs, X. & Fleck, G. (2001) A new family of Anisoptera from the Upper Jurassic of Karatau in Kazakhstan (Insecta: Odonata: Juragomphidae n. fam.). *Stuttgarter Beiträge zur Naturkunde, (B)*, 314, 9 pp.
180. Papier, F. & Nel, A. (2001) Les Subioblattidae (Blattodea, Insecta) du Trias d'Asie Centrale. *Paläontologische Zeitschrift*, 74 (4), 533–542. <https://doi.org/10.1007/BF02988160>
181. Prokop, J. & Nel, A. (2001) First record of the genus *Lethocerus* Mayr, 1853 from the Lower Miocene of the Most Formation in northern Bohemia, Czech Republic (Heteroptera: Nepomorpha: Belostomatidae). *Bulletin de la Société Entomologique de France*, 105 (5), 491–495.
182. Nel, A., Bechly, G. & Martínez-Delclòs, X. (2001) A new fossil dragonfly from the Upper Jurassic of Germany (Insecta: Odonata: Anisoptera: Protolindeniidae). *Revue Française d'Entomologie*, 23 (4), 257–261.
183. Bechly, G., Nel, A., Martínez-Delclòs, X., Jarzembowski, E.A., Coram, R., Martill, D., Fleck, G., Escuillé, F., Wisshak, M.M. & Maisch, M. (2001) A revision and phylogenetic study of Mesozoic Aeshnoptera, with description of several new families, genera and species (Insecta: Odonata: Anisoptera). *Neue Paläontologische Abhandlungen*, 4, 219



- pp.  
 184. Masselot, G., Nel, A. & Thomas, A. (2001) The syncoparsimony method: a complementary tool to the analysis of benthic macroinvertebrate communities under hydraulic disturbance. Eight International Symposium of Regulated Stream EISORS. July 17–21 2000 (Décamps H.- CESAC Ed.), Abstract, 66.
- 2002:**
185. Arnold, E.N., Azar, D., Ineich, I. & Nel, A. (2002) The oldest reptile in amber: a 120 million year old lizard from Lebanon. *Journal of Zoology, London*, 258, 7–10.  
<https://doi.org/10.1017/S0952836902001152>
186. Azar, D. & Nel, A. (2002) New Cretaceous psychodid flies from Lebanese amber and Santana Formation (Chapada do Araripe, Brazil) (Diptera). *Annales de la Société Entomologique de France, (N.S.)*, 38 (3), 253–262.
187. Béthoux, O., Nel, A., Gand, G., Lapeyrie, J. & Galtier, J. (2002) Discovery of the genus *Iasvia* Zalesky, 1934 in the Upper Permian of France (Lodève basin) (Orthoptera: Ensifera: Oedischiiidae). *Geobios*, 35, 293–302.  
[https://doi.org/10.1016/S0016-6995\(02\)00027-X](https://doi.org/10.1016/S0016-6995(02)00027-X)
188. Béthoux, O., Nel, A., Lapeyrie, J., Gand, G. & Galtier, J. (2002) *Raphogla rubra* gen. n., sp. n., the oldest representative of the clade of modern Ensifera (Orthoptera: Tettigoniidea, Gryllidea) (Lodève Permian basin, France). *European Journal of Entomology*, 99, 111–116.  
<https://doi.org/10.14411/eje.2002.019>
189. Fleck, G. & Nel, A. (2002) The first isophlebioid dragonfly (Odonata: Isophlebiptera: Camppterophlebiidae) from the Mesozoic of China. *Palaeontology*, 45 (6), 1123–1136.  
<https://doi.org/10.1111/1475-4983.00278>
190. Fleck, G., Bechly, G., Nel, A. & Escuillié, F. (2002) The larvae of the Mesozoic family Aeschnidiidae and their phylogenetic implications (Insecta: Odonata: Anisoptera). *Palaeontology*, 45 (1), 165–184.  
<https://doi.org/10.1111/1475-4983.00232>
191. Huguet, A., Nel, A., Martínez-Delclòs, X., Bechly, G. & Martins-Neto, R. (2002) Preliminary phylogenetic analysis of the Protanisoptera (Insecta: Odonoptera). [Essai d'analyse phylogénétique des Protanisoptera (Insecta: Odonoptera)]. *Geobios*, 35, 537–560.  
[https://doi.org/10.1016/S0016-6995\(02\)00071-2](https://doi.org/10.1016/S0016-6995(02)00071-2)
192. Lin, Q.B., Nel, A. & Huang, D.Y. (2002) Phylogenetic analysis of the Mesozoic dragonfly family Liupanshaniidae (Insecta: Aeshnoptera: Odonata). *Cretaceous Research*, 23 (4), 439–444.  
<https://doi.org/10.1006/cres.2002.1013>
193. Nel, A. & Huguet, A. (2002) Revision of the enigmatic Upper Carboniferous insect *Campyloptera eatoni* Brongniart, 1893 (Insecta: Odonoptera). *Organisms Diversity & Evolution*, 2, 313–318.  
<https://doi.org/10.1078/1439-6092-00053>
194. Nel, A., Menier, J.-J. & De Ploëg, G. (2002) The oldest representative of the Trichomyiinae from the Lowermost Eocene amber of the Paris Basin (France) (Diptera: Psychodidae). *Annales de la Société Entomologique de France*, 38 (3), 247–252.
195. Nel, A., Menier, J.-J., De Ploëg, G., Hodebert, G. & Danvin, L. (2002) *Eosialis*, new alderfly genus in French Lowermost Eocene amber (Insecta, Megaloptera, Sialidae). *Geobios*, 35 (3), 313–319.  
[https://doi.org/10.1016/S0016-6995\(02\)00029-3](https://doi.org/10.1016/S0016-6995(02)00029-3)
196. Nel, A., Waller, A., Hodebert, G. & De Ploëg, G. (2002) An ensign-fly in the Lowermost Eocene amber from the Paris basin (Hymenoptera: Evaniidae). *Annales de la Société Entomologique de France, (N.S.)*, 38 (3), 263–269.
197. Néraudeau, D., Perrichot, V., Dejax, J., Masure, E., Nel, A., Philippe, M., Moreau, P., Guillocheau, F. & Guyot, T. (2002) Un nouveau gisement à ambre insectifère et à végétaux (Albien terminal probable): Archingeay (Charente-Maritime, France). *Geobios*, 35 (2), 233–240.  
[https://doi.org/10.1016/S0016-6995\(02\)00024-4](https://doi.org/10.1016/S0016-6995(02)00024-4)
198. Perrichot, V., Néraudeau, D., Azar, D., Menier, J.-J. & Nel, A. (2002) A new genus and species of fossil mole cricket in the Lower Cretaceous amber of Charente-Maritime, SW France (Insecta: Orthoptera: Gryllotalpidae). *Cretaceous Research*, 23, 307–314.  
<https://doi.org/10.1006/cres.2002.1011>
199. Petrulevicius, J.F. & Nel, A. (2002) A new libelluloid dragonfly from the late Paleocene of Argentina (Odonata: Anauriculida). *European Journal of Entomology*, 99, 485–489.  
<https://doi.org/10.14411/eje.2002.064>
200. Petrulevicius, J.F. & Nel, A. (2002) New palaeomacromiid dragonflies from the Late Paleocene of Argentina. *Palaeontology*, 45 (4), 751–758.  
<https://doi.org/10.1111/1475-4983.00258>
201. Béthoux O. & Nel A. (2002) New data on Tcholmanvissiidae (Orthoptera; Permian). *Journal of Orthoptera Research*, 11 (2), 223–235.  
[https://doi.org/10.1665/1082-6467\(2002\)011\[0223:NDOTP\]2.0.CO;2](https://doi.org/10.1665/1082-6467(2002)011[0223:NDOTP]2.0.CO;2)
202. Béthoux, O. & Nel, A. (2002) Venation pattern of Orthoptera. *Journal of Orthoptera Research*, 10 (2), 195–198.  
[https://doi.org/10.1665/1082-6467\(2001\)010\[0195:VPOO\]2.0.CO;2](https://doi.org/10.1665/1082-6467(2001)010[0195:VPOO]2.0.CO;2)
203. Dolin, V.G. & Nel, A. (2002) Trois nouveaux Elateridae fossiles du Mésozoïque supérieur de Chine (Coleoptera). *Bulletin de la Société Entomologique de France*, 107 (4), 341–346.
204. Ensaf, A. & Nel, A. (2002) *Velocitermes betchi* sp. n., a new species of termite from French Guyana (Isoptera: Termitidae: Nasutitermitinae). *Bulletin de la Société Entomologique de France*, 107 (2), 135–139.
205. Ensaf, A., Betsch, J.-M. & Nel, A. (2002) *Coptotermes marabitanas* (Hagen, 1858), nouvelle espèce de termitite pour la Guyane française (Isoptera, Rhinotermitidae, Coptotermitinae). *Bulletin de la Société Entomologique de France*, 107 (2), 139.
206. Ensaf, A., Nel, A. & Betsch, J.-M. (2002) *Constrictotermes cacaoensis* sp. n. (Isoptera, Termitidae, Nasutitermitinae), nouvelle espèce de termitite et *C. cavifrons* (Holmgren, 1910), espèce de termitite nouvelle pour la Guyane française. *Bulletin de la Société Entomologique de France*, 107 (1), 57–59.
207. Ensaf, A., Nel, A. & Betsch, J.-M. (2002) *Rhinotermes nasutus* (Perty, 1833), une espèce nouvelle pour la Guyane Française (Isoptera, Rhinotermitidae). *Revue Française d'Entomologie, (N.S.)*, 24 (3), 137–138.
208. Ensaf, A., Ponchel, Y. & Nel, A. (2002) *Rounditermes dechambrei*, new genus and species of Nasutitermitinae from French Guiana (Isoptera: Termitidae). *Bulletin de la Société Entomologique de France*, 108 (1), 53–54.
209. Jarzembowski, E.A. & Nel, A. (2002) The earliest damselfly-like insect and the origin of modern dragonflies (Insecta: Odonoptera: Prozozygoptera). *Proceedings of the Geologists' Association*, 113, 165–169.  
[https://doi.org/10.1016/S0016-7878\(02\)80018-9](https://doi.org/10.1016/S0016-7878(02)80018-9)
210. Jolivet, S., G. Masselot, G. & Nel, A. (2002) Présence de *Metreletus* sp. (Ephemeroptera: Ameletidae) en Forêt de Rambouillet (Yvelines, France). Utilisation de substrats artificiels pour l'étude du macrobenthos de ruisseaux temporaires. *Ephemera*, 3 (1), 53–68.
211. Nel, A., Martínez-Delclòs, X. & Azar, D. (2002) A new ensign-fly (Hymenoptera: Evaniidae) from the Lower-Middle Miocene Dominican amber. *Bulletin de la Société Entomologique de France*, 107 (3), 217–221.
212. Prokop, J. & Nel, A., (2002) New fossil dragonflies from the Lower Miocene of the northern Bohemia (Odonata: Anisoptera). *Acta Societatis Zoologicae Bohemicae*, 66: 141–150.
213. Nel, A. (2002) Les insectes, un succès de l'évolution. *Pour la Science*, 293: 32–39.
214. Béthoux, O. & Nel, A. (2002) Venation pattern and revision of Orthoptera *sensu nov.* and sister groups. Phylogeny of Palaeozoic and Mesozoic Orthoptera *sensu nov.* *Zootaxa*, 96, 1–88.  
<https://doi.org/10.11646/zootaxa.96.1.1>
- 2003:**
215. Azar, D., Perrichot, V., Néraudeau, D. & Nel, A. (2003) New psychodids from the Cretaceous ambers of Lebanon and France, with a discussion of *Eophlebotomus connectens* Cockerell, 1920 (Diptera, Psychodidae). *Annals of the Entomological Society of America*, 96 (2), 117–126.  
[https://doi.org/10.1603/0013-8746\(2003\)096\[0117:NPFTCA\]2.0.CO;2](https://doi.org/10.1603/0013-8746(2003)096[0117:NPFTCA]2.0.CO;2)
216. Béthoux, O. & Nel, A. (2003) Revision of *Diaphanoptera* species and new diagnosis of Diaphanopteridae (Insecta: Palaeoptera: Diaphanopteroidea). *Journal of Paleontology*, 77 (5), 1016–1020.  
<https://doi.org/10.1017/S002233600004484X>
217. Béthoux, O. & Nel, A. (2003) Wing venation morphology and variability of *Gerarus fischeri* (Brongniart, 1885) *sensu* Burnham (Panorthoptera; Upper Carboniferous, Commeny, France), with inferences on flight performance. *Organisms Diversity and Evolution*, 3 (3), 173–183.  
<https://doi.org/10.1078/1439-6092-00070>
218. Béthoux, O., Nel, A., Galtier, J., Lapeyrie, J. & Gand, G. (2003) A new Tococladidae (Insecta: Archaeorthoptera) from the Permian of south France. *Geobios*, 36, 275–283.  
[https://doi.org/10.1016/S0016-6995\(03\)00030-5](https://doi.org/10.1016/S0016-6995(03)00030-5)
219. Béthoux, O., Nel, A., Lapeyrie, J., Gand, G. & Galtier, J. (2003) New Martynoviidae from the Permian of South France (Lodève Basin) (Insecta: Palaeoptera: Diaphanopteroidea). *Geobios*, 36 (2), 131–139.  
[HTTPS://DOI.ORG/10.1016/S0016-6995\(03\)00002-0](https://doi.org/10.1016/S0016-6995(03)00002-0)
220. Béthoux, O., Nel, A., Lapeyrie, J., Gand, G. & Galtier, J. (2003) The Permostridulidae, a new enigmatic insect family from the Upper Permian of France. *European Journal of Entomology*, 100 (4), 581–585.  
<https://doi.org/10.14411/eje.2003.087>
221. Ensaf, A., Betsch, J.-M. & Nel, A. (2003) First record of *Diversitermes diversimilis* (Silvestri, 1901) from French Guiana (Isoptera: Termitidae: Nasutitermitinae). *Annales de la Société Entomologique de France, (N.S.)*, 39 (3), 235–237.  
<https://doi.org/10.1080/00379271.2003.10697380>
222. Ensaf, A., Betsch, J.-M., Garrouste, R. & Nel, A. (2003) New data on *Nasutitermes* from French Guiana (Isoptera: Termitidae: Nasutitermitinae). *Annales de la Société Entomologique de France, (N.S.)*, 39 (3), 239–245.  
<https://doi.org/10.1080/00379271.2003.10697381>
223. Fleck, G., Bechly, G., Martínez-Delclòs, X., Jarzembowski, E.A., Coram, R. & Nel, A., (2003) Phylogeny and classification of the Stenophlebiptera (Odonata, Epiroctophora). *Annales de la Société Entomologique de France, (N.S.)*, 39 (1), 55–93.  
<https://doi.org/10.1080/00379271.2003.10697363>
224. Huang, D.Y., Nel, A. & Lin, Q.B. (2003) A new genus and species of aeshnopteran dragonfly from the Lower Cretaceous of China (Insecta: Odonata: Anisoptera). *Cretaceous Research*, 24, 141–147.  
[https://doi.org/10.1016/S0195-6671\(03\)00027-2](https://doi.org/10.1016/S0195-6671(03)00027-2)

225. Perrichot, V., Azar, D. Didier Neraudeau, D. & Nel, A. (2003) New Psocoptera in the Lower Cretaceous ambers of southwestern France and Lebanon (Insecta: Psocoptera: Trogiomorpha). *Geological Magazine*, 140 (6), 669–683.  
<https://doi.org/10.1017/S0016756803008355>
226. Petrulevičius, J.F. & Nel, A. (2003) A new libelluloid dragonfly (Insecta: Odonata: Italoansida) from the late Paleocene of Argentina. *Geobios*, 36, 401–406.  
[https://doi.org/10.1016/S0016-6995\(03\)00039-1](https://doi.org/10.1016/S0016-6995(03)00039-1)
227. Petrulevičius, J.F. & Nel, A. (2003) Frenguelliidae, a new family of dragonflies from the earliest Eocene of Argentina (Insecta: Odonata): phylogenetic relationships within Odonata. *Journal of Natural History*, 37, 2909–2917.  
<https://doi.org/10.1080/0022293021000007543>
228. Petrulevičius, J.F. & Nel, A. (2003) Oldest petalurid dragonfly (Odonata: Insecta): a Lower Cretaceous specimen from south Patagonia, Argentina. *Cretaceous Research*, 24, 31–34.  
[https://doi.org/10.1016/S0195-6671\(03\)00025-9](https://doi.org/10.1016/S0195-6671(03)00025-9)
229. Prokop, J., Fleck, G. & Nel, A. (2003) New dragonflies from the Lower Miocene (Ottagnian/Karpatian) of the Cypris Shale in western Bohemia (Insecta: Libellulidae). *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, 2003 (9), 561–576.
230. Azar, D., Nel, A. & Gèze, R. (2003) Use of Lebanese amber inclusions in paleoenvironmental reconstruction, dating and paleobiogeography. *Acta Zoologica Cracoviensia*, 46 (suppl. – Fossil Insects), 393–398.
231. Béthoux, O. & Nel, A. (2003) Revision of *Protagrion* Brongniart, 1894 (Insecta: Megasecoptera). *Bulletin de la Société Entomologique de France*, 108 (3), 237–244.
232. Ensaf, A., Garrouste, R.E., Betsch, J.-M. & Nel, A. (2003) Cinq termites nouveaux pour la Guyane française (Isoptera: Rhinotermitidae, Termitidae). *Bulletin de la Société Entomologique de France*, 108 (5), 477–484.
233. Ensaf, A., Nel, A. & Garrouste, R. (2003) Discovery of a subfossil termite of the genus *Coptotermes* in French Guiana (Isoptera, Rhinotermitidae, Coptotermitinae). *Mitteilungen der Schweizerischen Entomologische Gesellschaft*, 76, 245–248
234. Nel, A., Marie V. & Schmeißner S. 2002 (2003). Revision of the Lower Mesozoic damselfly dragonfly family Triasolestidae Tillyard, 1918 (Odonata: Epiproctophora). *Annales de Paléontologie*, 88, 189–215.  
[https://doi.org/10.1016/S0753-3969\(02\)01049-2](https://doi.org/10.1016/S0753-3969(02)01049-2)
235. Nel, A. & Petrulevičius, J.F. (2003) New Palaeogene bees from Europe and Asia. *Alcheringa*, 27 (4), 227–293.  
<https://doi.org/10.1080/03115510308619108>
236. Nel, A., Menier, J.-J., Waller, A., Hodebert, G., & De Ploëg, G. (2003) New fossil spongilla-flies from the lowermost Eocene amber of France (Insecta, Neuroptera, Sisyridae). *Geodiversitas*, 25 (1), 109–117.
237. Nel, A., Waller, A., Albouy, V., Menier, J.-J. & De Ploëg, G. (2003) New fossil earwigs from the lowermost Eocene amber of Paris basin (France) (Insecta, Dermaptera, family incertae sedis). *Geodiversitas*, 25 (1), 119–129.
238. Azar, D. & Nel, A. (2003) Fossil psychodoid flies and their relation to parasitic diseases. *Memorias Instituto Oswaldo Cruz*, Rio de Janeiro, 98: 35–37.  
<https://doi.org/10.1590/S0074-02762003000900007>
239. Fleck, G. & Nel, A. (2003) Revision of the Mesozoic family Aeschnidiidae (Odonata: Anisoptera). *Zoologica*, 153, 180 pp.
- 2004:**
240. Azar, D. & Nel, A. (2004) Four new Psocoptera from Lebanese amber (Insecta: Psocomorpha: Trogiomorpha). *Annales de la Société Entomologique de France*, 40 (2), 183–190.  
<https://doi.org/10.1080/00379271.2004.10697415>
241. Béthoux, O., & Nel, A. (2004) Some Palaeozoic ‘Protorthoptera’ are ‘ancestral’ orthopteroids: major wing braces as clues to a new split among the ‘Protorthoptera’: *Journal of Systematic Palaeontology*, 2 (4), 1–25.  
<https://doi.org/10.1017/S1477201904001488>
242. Béthoux, O., Galtier, J. & Nel, A. (2004) Oldest evidence of insect endophytic oviposition. *Palaios*, 19 (4), 412–417.  
[https://doi.org/10.1669/0883-1351\(2004\)019<0408:EEOIEO>2.0.CO;2](https://doi.org/10.1669/0883-1351(2004)019<0408:EEOIEO>2.0.CO;2)
243. Béthoux, O., Nel, A. & Lapeyrie, J. (2004) The extinct order Caloneurodea (Insecta: Pterygota: Panorthoptera): wing venation, systematics and phylogenetic relationships *Annales Zoologici*, 54 (2), 287–300.
244. Béthoux, O., Nel, A. & Lapeyrie, J. (2004) The extinct order Caloneurodea (Insecta: Pterygota: Panorthoptera): wing venation, systematics and phylogenetic relationships. *Annales Zoologici*, 54 (2), 287–300.
245. Coiffard, C., Gomez, B., Nel, A. & Thevenard, F. (2004) Application de la méthode de parcimonie de Wagner à l'étude synécologique de flores de l'Albien et du Cénomaniens d'Europe. *Annales de Paléontologie*, 90, 175–186.  
<https://doi.org/10.1016/j.annpal.2004.02.002>
246. De Ploëg, G. & Nel, A. (2004) A new bethylid wasp from the Lowermost Eocene amber of France (Hymenoptera: Bethylinae: Bethylinae). *Geologica Acta*, 2 (1), 75–82.
247. Deans, A.R., Basibuyuk, A., Azar, D. & Nel, A. (2004) Descriptions of two new Early Cretaceous (Hauterivian) ensign wasp genera (Hymenoptera: Evaniidae) from Lebanese amber. *Cretaceous Research*, 25, 509–516.  
<https://doi.org/10.1016/j.cretres.2004.04.003>
248. Fleck, G., Bechly, G., Martínez-Delclòs, X., Jarzembowski, E.A. & Nel, A. (2004) A revision of the Mesozoic dragonfly family Tarsophlebiidae, with a discussion on the phylogenetic positions of the Tarsophlebiidae and Sieblosiidae (Odonatoptera: Panodonata). *Geodiversitas*, 26 (1), 33–60.
249. Menier, J.-J., Nel, A., Waller, A. & De Ploëg, G. (2004) A new fossil ichneumon wasp from the Lowermost Eocene amber of Paris Basin (France) (Insecta: Hymenoptera: Ichneumonidae). *Geologica Acta*, 2 (1), 83–94.
250. Nel, A. (2004) Oldest representatives of the Sphecidae: Trypoxylini in the Early Eocene French amber (Insecta: Hymenoptera). *C. R. Palevol*, 4, 17–24.  
<https://doi.org/10.1016/j.crpv.2004.11.003>
251. Nel, A. & De Ploëg, G. (2004) New fossil bee flies in the Lowermost Eocene amber of the Paris basin (Diptera: Bombyliidae). *Geologica Acta*, 2 (1), 57–65.
252. Nel, A., Azar, D., Martínez-Delclòs, X. & Makhoul, E. (2004) A new Upper Cretaceous species of *Chresmoda* from Lebanon — a latest representative of Chresmodidae (Insecta: Polyneoptera inc. sed.): first record of homeotic mutations in the fossil record of insects. *European Journal of Entomology*, 101 (1), 145–151.  
<https://doi.org/10.14411/eje.2004.019>
253. Nel, A., De Ploëg, G. Menier, J.-J. & Waller, A. (2004) The French ambers: a general conspectus and the Lowermost Eocene amber deposit of Le Quesnoy in the Paris Basin. *Geologica Acta*, 2 (1), 3–8.
254. Nel, A., Marchal-Papier, F., Béthoux, O. & Gall, J.-C. (2004) A “stick insect-like” from the Triassic of the Vosges (France) (Insecta: “pre-Tertiary Phasmatodea”). *Annales de la Société Entomologique de France*, 40 (1), 31–36.  
<https://doi.org/10.1080/00379271.2004.10697402>
255. Nel, A., Perrault, G., Perrichot, V. & Neraudeau, D. (2004) The oldest ant in the Lower Cretaceous amber of Charente-Maritime (SW France) (Insecta: Hymenoptera: Formicidae). *Geologica Acta*, 2 (1), 23–29.
256. Nel, A., Perrichot, V. & Neraudeau, D. (2004). The oldest trigonalid wasp in the Late Albian amber of Charente-Maritime (SW France) (Hymenoptera: Trigonalidae). *Eclogae Geologicae Helvetiae*, 96, 503–508.
257. Nel, A., Perrichot, V., Daugeron, C. & Neraudeau, D. (2004) A new *Microphorites* in the Lower Cretaceous amber of the Southwest of France (Insecta: Diptera: Dolichopodidae: ‘Microphorinae’). *Annales de la Société Entomologique de France*, 40 (1), 23–29.  
<https://doi.org/10.1080/00379271.2004.10697401>
258. Nel, A., Waller, A. & De Ploëg, G. (2004) An aulacid wasp in the lowermost Eocene amber from the Paris basin (Hymenoptera: Aulacidae). *Geologica Acta*, 2 (1), 67–74.
259. Nel, A., Waller, A. & De Ploëg, G. (2004) The oldest fossil piesmatid bug in the Lowermost Eocene amber of the Paris basin (Heteroptera: Lygaeoidea: Piesmatidae). *Geologica Acta*, 2 (1), 45–50.
260. Nel, A., Waller, A. & De Ploëg, G. (2004) The oldest fossil Tingidae from the lowermost Eocene amber of the Paris Basin (Heteroptera: Cimicomorpha: Tingioidea). *Geologica Acta*, 2 (1), 37–43.
261. Nel, A., Waller, A. & De Ploëg, G. (2004) The oldest palm bug in the Lowermost Eocene amber of the Paris basin (Heteroptera: Cimicomorpha: Thaumastocoridae). *Geologica Acta*, 2 (1), 51–55.
262. Perrichot, V., Nel, A. & Neraudeau, D. (2004) A new, enigmatic, evaniomorph wasp in the Albian amber of France (Insecta: Hymenoptera). *Journal of Systematic Palaeontology*, 2 (2), 159–162.  
<https://doi.org/10.1017/S1477201904001245>
263. Perrichot, V., Nel, A. & Neraudeau, D. (2004) Two new wedge-shaped beetles in Albo-Cenomanian ambers of France (Coleoptera: Ripiphoridae: Ripiphorinae). *European Journal of Entomology*, 101, 577–581.  
<https://doi.org/10.14411/eje.2004.081>
264. Petrulevičius, J.F. & Nel, A. (2004) A new damselfly family from the late Paleocene of Argentina (Insecta: Odonata: Zygoptera). *Palaeontology*, 47 (1), 109–116.  
<https://doi.org/10.1111/j.0031-0239.2004.00350.x>
265. Petrulevičius, J.F. & Nel, A. (2004) Recognition of the first fossil leostid damselfly (Insecta: Zygoptera) in South America: biogeographic and phylogenetic remarks. *Journal of Paleontology*, 78 (4), 798–801.  
[https://doi.org/10.1666/0022-3360\(2004\)078<0798:ROTFFL>2.0.CO;2](https://doi.org/10.1666/0022-3360(2004)078<0798:ROTFFL>2.0.CO;2)
266. Prokop, J. & Nel, A. (2004) A new genus and species of Homiopteridae from the Upper Carboniferous of the Intra-Sudetic Basin, Czech Republic (Insecta, Palaeodictyoptera). *European Journal of Entomology*, 101 (4), 583–589.  
<https://doi.org/10.14411/eje.2004.082>
267. Ensaf, A., Garrouste, R.E., Betsch, J.-M. & Nel, A. (2004) *Dolichorhinotermes longilabius* (Emerson, 1925), new species for French Guiana, with a preliminary list of termites in French Guiana. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft*, 77, 277–288.
268. Huang, D. Y. & Nel, A. (2004) Two new Lower Cretaceous dragonfly larvae from north-east China (Insecta, Odonata, Anisoptera). *Odonatologica*, 33 (2), 199–20



269. Nel, A. (2004) New and poorly known Cenozoic sawflies of France (Hymenoptera: Tenthredinoidea, Pamphiloidea). *Deutsche Entomologische Zeitschrift*, 51 (2), 253–269. <https://doi.org/10.1002/mmnd.4810510208>
270. Nel, A., De Plöeg, G. & Azar, D. (2004) The oldest Liposcelididae from the lowermost Eocene amber of the Paris basin (Insecta: Psocoptera). *Geologica Acta*, 2 (1), 31–36.
271. Nel, A., Petrulevičius, J.F. & Henrotay, M. (2004) New early Jurassic sawflies from Luxembourg: the oldest record of Tenthredinoidea (Hymenoptera: “Symphyta”). *Acta Palaeontologica Polonica*, 49 (2), 283–288.
272. Prokop, J. & Nel, A. (2004). New fossil Aculeata from the Oligocene of the České středohoří Mts and the Lower Miocene of the Most Basin in northern Czech Republic (Hymenoptera: Apidae, Vespidae). *Acta Musei Nationalis Pragae*, (Series B), *Natural History*, 59 (3–4), 163–171.
273. Prokop, J., Nel, A., Hajek, J. & Bubik, M. (2004) First record of a fossil beetle (Coleoptera, Halipilidae) from the base of Paleocene flysch sediment in the Magura Unit (Outer Western Carpathians, Moravia). *Geologica Carpatica*, Bratislava, 55 (6), 469–473.
- 2005:**
274. Béthoux, O., Nel, A., Lapeyrie, J. & Gand, G. (2005) New data on Paleozoic grylloblattid insects (Neoptera). *Journal of Paleontology*, 79 (1), 125–145. [https://doi.org/10.1666/0022-3360\(2005\)079<0125:NDOPGI>2.0.CO;2](https://doi.org/10.1666/0022-3360(2005)079<0125:NDOPGI>2.0.CO;2)
275. Béthoux, O., Papier, F. & Nel, A. (2005) The Triassic radiation of the entomofauna. *C.R. Palevol*, 4, 541–553. <https://doi.org/10.1016/j.crpv.2005.06.005>
276. Lefèvre, F., Vincent, B., Azar, D. & Nel, A. (2005) The oldest beetle of the Euaesthetinae (Staphylinidae) from Early Cretaceous Lebanese amber. *Cretaceous Research*, 26, 207–211. <https://doi.org/10.1016/j.cretres.2004.11.015>
277. Nel, A., Petrulevičius J.F. & Jarzembowski E.A. (2005) New fossil Odonata from the European Cenozoic (Insecta: Odonata: Thaumatoptera, Aeshnidae, ?Idionychidae, Libellulidae). *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen*, Stuttgart, 235 (3), 343–380.
278. Nel, A., Bechly, G., Garrouste, R., Pohl, B. & Escuillie, F. (2005) A new extraordinary lacewing family from the Lower Cretaceous Crato formation of Brazil: a new insect order? (Insecta, Neuropterida). *Cretaceous Research*, 26, 845–852. <https://doi.org/10.1016/j.cretres.2005.05.006>
279. Nel, A., Martínez-Delclòs, X. & Hutin, A. (2005) Mesozoic chrysopid-like Planipennia: a phylogenetic approach (Insecta, Neuroptera). *Annales de la Société Entomologique de France*, 41 (3), 29–68. <https://doi.org/10.1080/00379271.2005.10697440>
280. Nel, A., Perrichot, V., Azar, D. & Néraudeau, D. (2005) New Rhachiberothidae (Insecta: Neuroptera) in early Cretaceous and early Eocene ambers from France and Lebanon. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen*, Stuttgart, 235 (1), 51–85.
281. Nel, A., Petrulevičius, J.F. & Martínez-Delclòs, X. (2005) New Mesozoic Protomyrmelontidae (Insecta: Odonatoptera: Archizyoptera) from Asia with a new phylogenetic analysis. *Journal of Systematic Palaeontology*, 3 (2), 187–201. <https://doi.org/10.1017/S1477201905001549>
282. Nel, A., Petrulevičius, J.F., Gentilini, G. & Martínez-Delclòs, X. (2005) Phylogenetic analysis of the Cenozoic family Sieblosiidae (Insecta: Odonata), with description of new taxa from Russia, Italy and France. *Geobios*, 38 (2), 219–233. <https://doi.org/10.1016/j.geobios.2003.10.007>
283. Nel, A., Prokop, J., De Plöeg, G. & Millet, J. (2005) New Psocoptera (Insecta) from the Lowermost Eocene amber of Oise, France. *Journal of Systematic Palaeontology*, 3 (4), 371–391. <https://doi.org/10.1017/S1477201905001598>
284. Papier, F., Nel, A., Grauvogel-Stamm, L. & Gall, J.-C. (2005) La diversité des Coleoptera (Insecta) du Trias dans le nord-est de la France. *Geodiversitas*, 27 (2), 181–199.
285. Perrichot, V., Nel, A. & Néraudeau, D. (2005) Gerrormorphan bugs in Early Cretaceous French amber (Insecta: Heteroptera): first representatives of Gerridae and their phylogenetic and palaeoecological implications. *Cretaceous Research*, 26 (5), 793–800. <https://doi.org/10.1016/j.cretres.2005.05.003>
286. Petrulevičius, J.F. & Nel, A. (2005) Austroperilestidae, a new family of damselflies from the earliest Eocene of Argentina (Insecta: Odonata). Phylogenetic relationships within Odonata. *Journal of Paleontology*, 79 (2), 657–661. [https://doi.org/10.1666/0022-3360\(2005\)079\[0658: AANFOD\]2.0.CO;2](https://doi.org/10.1666/0022-3360(2005)079[0658: AANFOD]2.0.CO;2)
287. Prokop, J., Nel, A. & Hoch, I. (2005) Discovery of the oldest known Pterygota in the Lower Carboniferous of the Upper Silesian Basin in the Czech Republic (Insecta: Archaeothoptera). *Geobios*, 38, 383–387. <https://doi.org/10.1016/j.geobios.2003.11.006>
288. Nel, A. & Azar, D. (2005) The oldest parasitic Scelionidae: Teleasinae (Hymenoptera: Platygastroidea). *Polskie Pismo Entomologiczne*, 74 (3), 333–338.
289. Nel, A. & Petrulevičius, J. F. (2005) A new genus and species of damsel-dragonfly from the Lower Liassic of Germany (Odonata: Liassophlebiidae). *Bulletin de la Société Entomologique de France*, 110 (2), 185–188.
290. Nel, A. & Prokop, J. (2005) New fossil Scelionidae (Insecta: Hymenoptera) in early Paleogene amber from eastern Moravia (Czech Republic) and northern France. *Polskie Pismo Entomologiczne*, 74 (3), 339–347.
291. Nel, A. & Prokop, J. (2005) New Paleogene Scatopsidae (Diptera: Nematocera) in amber from Czech Republic and France. *Acta Societatis Zoologicae Bohemicae*, 68, 91–98.
292. Nel, A., Perrichot, V. & Azar, D. 2004 (2005). New and poorly known fossil Coniopterygidae in Cretaceous and Cenozoic ambers (Insecta: Neuroptera). *Annales Zoologici*, 55 (1), 1–7.
293. Nel, A., Perrichot, V., Azar, D. & Néraudeau, D. (2005) A replacement name for the neuropteran genus *Eorhachiberotha* Nel et al., 2005 (Neuroptera: Rhachiberothidae). *Bulletin de la Société Entomologique de France*, 110 (2), 128.
294. Nel, A., Petrulevičius, J. F., Gentilini, G. & Martínez-Delclòs, X. (2005) Un nouvel Odonate du Miocène d’Italie (Odonata). *Bulletin de la Société Entomologique de France*, 110 (2), 188.
295. Prokop, J. & Nel, A. (2005) New scuttle flies from the early Paleogene amber in eastern Moravia, Czech Republic (Diptera: Phoridae). *Studia Dipterologica*, 12 (1), 12–22.
296. Nel, A., Petrulevičius J.F. & Béthoux, O. (2005) Les insectes, témoins privilégiés du Crétacé. *Pour la Science, Dossier*, 48, 108–114.
297. Tafforeau, P., Baruchel, J., Boistel, R., Boller, E., Bravin, A., Brunet, M., Chaimanee, Y., Cloetens, P., Feist, M., Hozzowska, J., Jaeger, J.J., Kay, R.F., Lazzari, V., Marivaux, L., Nel, A., Nemoz, C., Thibault, X. & Vignaud, P. (2005) Synchrotron radiation microtomography: a tool for paleontology. *ESRF Newsletter*, 42, 22–23.
- 2006:**
298. Antoine, P.-O., De Franceschi, D., Flynn, J.J., Nel, A., Baby, P., Benammi, M., Calderón, Y., Espurt, N., Goswami, A. & Rodolfo Salas-Gismondi, R. (2006) First amber from western Amazonia reveals Neotropical diversity during the middle Miocene. *Proceedings of the National Academy of Science*, 103 (37), 13595–13600. <https://doi.org/10.1073/pnas.0605801103>
299. Batelka, J., Collomb, F.-M & Nel, A. (2006) *Macrosiagon deuvei* n. sp. (Coleoptera: Ripiphoridae) from the French Eocene amber. *Annales de la Société Entomologique de France*, 42 (1), 75–78. <https://doi.org/10.1080/00379271.2006.10697451>
300. Buffétout, E., Azar, D., Nel, A., Ziadé, K. & Acra, A. (2006) First nonavian dinosaur from Lebanon: a brachiosaurid sauropod from the Lower Cretaceous of the Jezzine District. *Naturwissenschaften*, 93 (9), 440–443. <https://doi.org/10.1007/s00114-006-0124-z>
301. Nel, A. (2006) Oldest records of Bombyliidae: Phthiriinae & Mythicomyiidae: Glabellulinae from the Lowermost Eocene amber of France (Diptera: Bombyliidae). *European Journal of Entomology*, 103, 109–114. <https://doi.org/10.14411/eje.2006.016>
302. Nel, A. & Arillo, A. (2006) The first Baltic amber dysagronine damselfly (Odonata: Zygoptera: Thaumatoptera: Dysagroniinae). *Annales de la Société Entomologique de France*, 42 (2), 179–182. <https://doi.org/10.1080/00379271.2006.10700621>
303. Nel, A. & Auvray, F. (2006) The oldest Vespinae from the Paleocene of Menat (France) (Hymenoptera: Vespidae). *Zootaxa*, 1344, 59–62. <https://doi.org/10.11646/zootaxa.1344.1.5>
304. Nel, A. & Bourguet, E. (2006) Termites of the Early Eocene amber of France (Isoptera: Mastotermitidae, Kalotermitidae). *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, (2), 101–115. <https://doi.org/10.1127/njgpm/2006/2006/101>
305. Nel, A. & Prokop, J. (2006) New fossil gall midges from the earliest Eocene French amber (Diptera: Cecidomyiidae). *Geodiversitas*, 28 (1), 37–54.
306. Nel, A. & Waller, A. 2006. A giant water bug from the Lower Cretaceous Crato Formation of Brazil (Heteroptera: Belostomatidae: Lethocerinae). *Zootaxa*, 1220, 63–68. <https://doi.org/10.11646/zootaxa.1220.1.6>
307. Nel, A., Waller, A. & Poinar, G.O., Jr. (2006) The first fossil Myoposocidae in Dominican amber (Psocoptera). *Zootaxa*, 1349, 63–68. <https://doi.org/10.11646/zootaxa.1349.1.6>
308. Peinado, J., Nel, A. & Waller, A. (2006) A dryinid wasp in the Early Eocene amber from the Paris basin (Hymenoptera: Dryinidae). *Zootaxa*, 1168, 31–41. <https://doi.org/10.11646/zootaxa.1168.1.3>
309. Perrichot, V., Nel, A., Guilbert, E. & Néraudeau, V. (2006) Fossil Tingioidea (Heteroptera: Cimicomorpha) from French Cretaceous amber, including Tingidae and a new family, Ebboidae. *Zootaxa*, 1203, 57–68. <https://doi.org/10.11646/zootaxa.1203.1.3>
310. Prokop, J., Smith, R., Jarzembowski, E.A. & Nel, A. (2006) New homiopterids from the Late Carboniferous of England (Insecta: Palaeodictyoptera). *C.R. Palevol*, 5 (7), 867–873. <https://doi.org/10.1016/j.crpv.2006.03.008>
311. Tafforeau, P., Boistel, R., Boller, E., Bravin, A., Brunet, M., Chaimanee, Y., Cloetens, P., Feist, M., Hozzowska, J., Jaeger, J.-J., Kay, R.F., Lazzari, V., Marivaux, L., Nel, A., Nemoz, C., Thibault, X., Vignaud, P. & Zabler, S. (2006) Applications of X-ray synchrotron microtomography



- for non-destructive 3D studies of paleontological specimens *Applied Physics, Materials Science & Processing*, (A), 83, 195–202.  
<https://doi.org/10.1007/s00339-006-3507-2>
312. Zhang, B.L., Fleck, G., Huang, D.Y., Nel, A., Ren, D., Cheng, X.D. & Lin, Q.B. (2006) New isophlebioid dragonflies (Odonata: Isophlebiptera: Campteroptlebiidae) from the Middle Jurassic of China. *Zootaxa*, 1339, 51–68.  
<https://doi.org/10.11646/zootaxa.1339.1.3>
313. De Flores, M. & Nel, A. (2006) Un Raphidioptère mésozoïque à la conservation exceptionnelle: de nouvelles pistes pour une phylogénie de l'ordre (Raphidioptera, Baissopteridae). *Bulletin de la Société Entomologique de France*, 111 (4), 449–455.
314. Huang, D. Y., Nel, A., Shen, Y.B., Selden, P.A. & Lin, Q.B. (2006) Discussions on the age of the Daohugou fauna – evidence from invertebrates. *Progress in Natural Science*, 16 (Special Issue), 308–312.
315. Nel, A., Garrouste, R., Bechly, G., Pohl, B. & Escuillié, F. (2006) *Rafaeliina*, a replacement generic name for *Rafaelia* Nel et al., 2005 (Neuropterida). *Bulletin de la Société Entomologique de France*, 111 (2), 190.
- 2007:**
316. Béthoux, O., Beattie, R.G. & Nel, A. (2007) Wing venation and relationships of the order Glosselytrodea (Insecta). *Alcheringa*, 31, 285–296.  
<https://doi.org/10.1080/03115510701484739>
317. Béthoux, O., Nel, A., Schneider, J.W. & Gand, G. (2007) *Lodetiella magnifica* nov. gen. and nov. sp. (Insecta: Palaeodictyoptera; Permian), an extreme situation in wing morphology of palaeopterous insects. *Geobios*, 40 (2), 181–189.  
<https://doi.org/10.1016/j.geobios.2006.04.001>
318. Doitteau, G. & Nel, A. (2007) The chironomid midges from the early Eocene amber of France (Diptera: Chironomidae). *Zootaxa*, 1404, 1–66.
319. Huang, D.Y. & Nel, A. (2007) Oldest 'libelluloid' dragonfly from the Middle Jurassic of China (Odonata: Anisoptera: Cavilabiata). *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen*, 246 (1), 63–68.  
<https://doi.org/10.1127/0077-7749/2007/0246-0063>
320. Huang, D.Y., Nel, A. & Petrulėvičius, J. (2007) New evolutionary evidences of Grylloblattida from the Middle Jurassic of Inner Mongolia, NE China (Insecta, Polyneoptera, Plesiolblattogryllidae fam. nov.). *Zoological Journal of the Linnean Society*, 152, 17–24.  
<https://doi.org/10.1111/j.1096-3642.2007.00351.x>
321. Lefebvre, F., Bourgoin, T. & Nel, A. (2007) New Cixiidae and Achilidae fossils from Middle Eocene Baltic amber (Hemiptera: Fulgoromorpha). *Annales de la Société Entomologique de France*, 43 (1), 37–43.  
<https://doi.org/10.1080/00379271.2007.10697491>
322. Lin, Q.B., Huang, D.Y. & Nel, A. (2007) A new family of Cavilabiata from the Lower Cretaceous Yixian Formation, China (Odonata: Anisoptera). *Zootaxa*, 1469, 59–64.  
<https://doi.org/10.11646/zootaxa.1469.1.4>
323. Michez, D., Nel, A., Menier, J.-J. & Rasmont, P. (2007) The oldest fossil of a melittid bee (Hymenoptera: Apiformes) from the early Eocene of Oise (France). *Zoological Journal of the Linnean Society*, 150, 701–709.  
<https://doi.org/10.1111/j.1096-3642.2007.00307.x>
324. Nel, A. & Waller, A. (2007) The first fossil Compsocidae from the Cretaceous Burmese amber (Insecta, Psocoptera, Troctomorpha). *Cretaceous Research*, 28, 1039–1041.  
<https://doi.org/10.1016/j.cretres.2007.02.002>
325. Nel, A., Huang, D. Y. & Lin, Q. B. (2007) A new genus of isophlebioid damsel-dragonflies (Odonata: Isophlebiptera: Campteroptlebiidae) from the Middle Jurassic of China. *Zootaxa*, 1642, 13–22.  
<https://doi.org/10.11646/zootaxa.1642.1.2>
326. Nel, A., Roques, P., Nel, P., Prokop, J. & Steyer, S. (2007) The earliest holometabolous insect: a “crucial” innovation with delayed success (Insecta: Protomeropina: Protomeropidae). *Annales de la Société Entomologique de France*, (N.S.), 43 (3), 349–355.  
<https://doi.org/10.1080/00379271.2007.10697531>
327. Nel, P., Azar, D. & Nel, A. (2007) A new ‘primitive’ family of thrips from the Lower Cretaceous Lebanese amber (Insecta, Thysanoptera). *Cretaceous Research*, 28, 1033–1038.  
<https://doi.org/10.1016/j.cretres.2007.02.003>
328. Perrichot, V., Nel, A. & Néraudeau D. (2007) Schizopterid bugs (Insecta: Heteroptera) in mid-Cretaceous ambers from France and Myanmar (Burma). *Palaeontology*, 50 (6), 1367–1374.  
<https://doi.org/10.1111/j.1475-4983.2007.00721.x>
329. Perrichot, V., Néraudeau, D., Nel, A. & De Ploeg, G. (2007) A reassessment of the Cretaceous amber deposits from France and their palaeontological significance. *African Invertebrates*, 48 (1), 213–227.
330. Petrulėvičius, J.F. & Nel, A. (2007) Enigmatic and little known Odonata (Insecta) from the Paleogene of Patagonia and northwest Argentina. *Annales de la Société Entomologique de France*, (N.S.), 43 (3), 341–347.  
<https://doi.org/10.1080/00379271.2007.10697530>
331. Prokop, J. & Nel, A. (2007) An enigmatic Palaeozoic stem-group: Paoliida, designation of new taxa from the Upper Carboniferous of the Czech Republic (Insecta: Paoliidae, Katerinkidae fam. n.). *African Invertebrates*, 48 (1), 77–86.
332. Veltz, I., Azar, D. & Nel, A. (2007) New chironomid flies In Early Cretaceous Lebanese amber (Diptera: Chironomidae). *African Invertebrates*, 48 (1), 169–191.
333. Huang, D.Y., Nel, A., Lin, Q.B. & Dong, F.B. (2007) The first Glosselytrodea (Insecta) from the latest Middle Permian of Anhui Province, China. *Bulletin de la Société Entomologique de France*, 112 (2), 179–182.
334. Nel, A. (2007) Les Bibionidae du Paléocène de Menat (Puy-de-Dôme, France) (Diptera). *Bulletin de la Société Entomologique de France*, 112 (3), 369–370.
335. Paicheler, J. C., Nel, A., Gall, J. C. & Delclòs, X. (2007) The aquatic genus *Notonecta* (Insecta: Heteroptera) as a palaeo-ecological indicator of rhythmite miming sequences in shallow freshwater deposits. *Journal of Taphonomy*, 5 (3), 105–120.
336. Perrichot, V., Nel, A. & Krzeminski, W. (2007) A new crane fly (Diptera: Limoniidae) from the Cretaceous amber of France. *Alavesia*, 1, 75–80
337. Petrulėvičius, J.F., Nel, A., Rust, J., Günther Bechly, G. & Kohls, D. (2007) New Paleogene Epallagidae (Insecta: Odonata) recorded in North America and Europe. Biogeographic implications. *Alavesia*, 1, 15–25.
338. Prokop, J. & Nel, A. (2007) New fossil record Gerridae (Heteroptera: Gerromorpha) from the Early Oligocene diatomite in the Czech Republic. *Acta Societatis Zoologicae Bohemicae*, 71, 15–19.
339. Prokop, J., Přikryl, T., Dostál, O. & Nel, A. (2007) *Oligaeschna kvaceki* sp. nov., a new fossil dragonfly (Odonata: Aeshnidae) from the Middle Oligocene of northern Moravia (Western Carpathians). *Geologica Carpathica*, 58 (2), 181–184.
- 2008:**
340. Azar, D. & Nel, A. (2008) First Baltic amber megapodagrionid damselfly (Odonata: Zygoptera). *Annales de la Société Entomologique de France*, (N.S.), 44 (4), 451–457.  
<https://doi.org/10.1080/00379271.2008.10697580>
341. Azar, D., Veltz, I. & Nel, A. (2008). Mandibulate chironomids: primitive or derived? (Diptera: Chironomidae). *Systematic Entomology*, 33, 688–699.  
<https://doi.org/10.1111/j.1365-3113.2008.00438.x>
342. Coiffard, C., Gomez, B., Nel, A., Kvaček, J., Néraudeau, D. & Thévenard, F. (2008) Application of the Wagner's Parsimony method in fossil plant assemblages from the Cretaceous of Europe. *Review of Palaeobotany and Palynology*, 148, 1–12.  
<https://doi.org/10.1016/j.revpalbo.2007.08.002>
343. Collomb, F.-M., Nel, A. & Waller, A. (2008) March flies and European Cenozoic palaeoclimates (Diptera: Bibionidae). *Annales de la Société Entomologique de France*, (N.S.), 44 (2), 161–179.  
<https://doi.org/10.1080/00379271.2008.10697553>
344. Delclòs, X., Nel, A., Azar, D., Bechly, G., Dunlop, J. A., Engel, M.S. & Heads, S.W. (2008) The enigmatic, Mesozoic family Chresmodidae (Polyneoptera: Archaeorthoptera): new palaeobiological and phylogenetic data, with the description of a new species from Brazil. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen*, 247 (3), 353–381.  
<https://doi.org/10.1127/0077-7749/2008/0247-0353>
345. Huang, D.Y. & Nel, A. (2008) A new Middle Jurassic aphid family (Insecta: Hemiptera: Sternorrhyncha: Sinojuraehididae fam. nov.) from Inner Mongolia, China. *Palaeontology*, 51 (3), 715–719.
346. Huang, D.Y. & Nel, A. (2008) New ‘Grylloblattida’ related to the genus *Prosepididontus* Handlirsch, 1920 in the Middle Jurassic of China (Insecta: Geinitziidae). *Alcheringa*, 32 (4), 395–403.  
<https://doi.org/10.1080/03115510802417893>
347. Huang, D.Y., Nel, A., Azar, D. & Nel, P. (2008) Phylogenetic relationships of the Mesozoic paraneopteran family Archipsyllidae (Insecta: Psocodea). *Geobios*, 41, 461–464.  
<https://doi.org/10.1016/j.geobios.2007.11.003>
348. Huang, D.Y., Nel, A., Zompro, O. & Waller, A. (2008) Mantophasmatodea now in the Jurassic. *Naturwissenschaften*, 95, 947–952.  
<https://doi.org/10.1007/s00114-008-0412-x>
349. Huang, D.Y. & Nel, A. (2008). A new Middle Jurassic ‘grylloblattodean’ family from China (Insecta: Juraperlidae fam. nov.). *European Journal of Entomology*, 104, 837–840.  
<https://doi.org/10.14411/eje.2007.104>
350. Jarzembowski, E.A., Azar, D. & Nel, A. (2008) A new chironomid (Insecta: Diptera) from Wealden amber (Lower Cretaceous) of the Isle of Wight (UK). *Geologica Acta*, 6 (3), 285–291.
351. Jossang, J., Bel-Kassaoui, H., Jossang, A., Seuleiman, M. & Nel, A. (2008) Quesnoine, a novel pentacyclic ent-diterpene from 55-million years old Oise Amber. *The Journal of Organic Chemistry*, 73, 412–417.  
<https://doi.org/10.1021/jo701544k>
352. Lak, M., Azar, D., Nel, A., Néraudeau, D. & Tafforeau, P. (2008) The oldest representative of the Trichomyiinae (Diptera: Psychodidae) from the lower Cenomanian French amber studied with phase contrast synchrotron X-ray imaging. *Invertebrate Systematics*, 22 (4): 471–478.  
<https://doi.org/10.1071/IS08008>
353. Lak, M., Néraudeau, D., Nel, A., Cloetens, P., Perrichot, V. & Tafforeau, P. (2008) Phase contrast X-ray synchrotron imaging: opening access to fossil inclusions in opaque amber. *Microscopy and Microanalysis*, 14,

251–259.

<https://doi.org/10.1017/S1431927608080264>

354. Lin, Q.B., Huang, D.Y. & Nel, A. (2008) A new genus of Chifenginiinae (Orthoptera: Ensifera: Prophalangopsidae) from Middle Jurassic of Inner Mongolia, China. *Comptes Rendus Palevol*, 7 (4), 205–209. <https://doi.org/10.1016/j.crpv.2008.02.003>
355. Nel, A. (2008) The oldest bee fly in the French Paleocene (Diptera: Bombyliidae). *Comptes Rendus Palevol*, 7 (7), 401–405. <https://doi.org/10.1016/j.crpv.2008.08.001>
356. Nel, A., Fleck, G., Garrouste, R. & Gand, G. (2008) The Odonatoptera of the Late Permian Lodève Basin (Insecta). *Journal of Iberian Geology*, 34 (1), 115–122. (rang B)
357. Nel, A., Garrouste, R. & Roques, P. (2008) A new griffenfly genus from the Late Carboniferous of northern France (Odonatoptera: Meganeuridae). *Insect Systematics & Evolution*, 39, 231–239. <https://doi.org/10.1163/187631208794760894>
358. Nel, A., Huang, D.Y. & Lin, Q.B. (2008) A new genus of isophlebioid damselfly-like dragonflies with “calopterygid”-like wing shape from the Middle Jurassic of China (Odonata: Isophlebioidea: Campteropterygidae). *European Journal of Entomology*, 105 (4), 783–787. <https://doi.org/10.14411/eje.2008.103>
359. Nel, A., Néraudeau, D., Perrichot, V., Girard, V. & Gomez, B. (2008) A new dragonfly family in the Upper Cretaceous of France (Insecta: Odonata: Aeshnoptera). *Acta Palaeontologica Polonica*, 53 (1), 165–168. <https://doi.org/10.4202/app.2008.0113>
360. Nel, A., Prokop, J. & Ross, A.J. (2008) New genus of leaf-mimicking katydids (Orthoptera: Tettigoniidae) from the Late Eocene - Early Oligocene of France and England. *C. R. Palevol*, 7 (4): 211–216. <https://doi.org/10.1016/j.crpv.2008.02.008>
361. Perrichot, V. & Nel, A. (2008) Eocene bethylid wasps from French amber (Hymenoptera: Bethyloidea). *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen*, 248 (1), 91–101. <https://doi.org/10.1127/0077-7749/2008/0248-0091>
362. Perrichot, V., Lacau, S., Néraudeau, D. & Nel, A. (2008) Fossil evidence for the early ant evolution. *Naturwissenschaften*, 95 (2), 85–90. <https://doi.org/10.1007/s00114-007-0301-8>
363. Perrichot, V., Nel, A., Néraudeau, D., Lacau, S. & Guyot, T. (2008) New fossil ants in French Cretaceous amber (Hymenoptera: Formicidae). *Naturwissenschaften*, 95 (2), 91–97. <https://doi.org/10.1007/s00114-007-0302-7>
364. Petrulevičius, J.F., Wappler, T., Wedmann, S., Rust, J. & Nel, A. (2008) New megapodagrionid damselflies (Odonata: Zygoptera) from the Paleogene of Europe. *Journal of Paleontology*, 82 (6), 1173–1181. <https://doi.org/10.1666/07-091.1>
365. Ren, D., Nel, A. & Prokop, J. (2008) New early griffenfly, *Sinomeganeura huangheensis* from the Late Carboniferous of northern China (Meganisoptera: Meganeuridae). *Insect Systematics & Evolution*, 39, 223–229. <https://doi.org/10.1163/187631208788784075>
366. Rust, J., Petrulevičius, J. & Nel, A. (2008) The first damselflies from the Lowermost Eocene of Denmark, with a description of a new subfamily (Odonata, Zygoptera: Dysagrionidae). *Palaeontology*, 51 (3), 709–713. <https://doi.org/10.1111/j.1475-4983.2008.00780.x>
367. Masselot, G., Nel, A. & Thomas, A. (2008) Reprise d’une étude-modèle sur les macroinvertebrés lotiques : la Lapwai Creek (Idaho, USA). 1<sup>re</sup> partie: hétérogénéité contradictoire des résultats obtenus par différentes méthodes d’analyse classiques. *Ephemera*, 9 (2), 119–139.
- 2009:**
368. Azar, D., Hajar, L., Indary, C. & Nel, A. (2009) Paramesopsocidae, a new Mesozoic psocid family (Insecta: Psocodea “Psocoptera”: Psocomorpha). *Annales de la Société Entomologique de France, (N.S.)*, 44 (4), 459–470. <https://doi.org/10.1080/00379271.2008.10697581>
369. Azar, D., Nel, A. & Néraudeau, D. (2009) A new Cretaceous psocodean family from the Charente-Maritime amber (France) (Insecta, Psocodea, Psocomorpha). *Geodiversitas*, 31 (1), 117–127. <https://doi.org/10.5252/g2009n1a10>
370. Fleck, G., Waller, A., Serafin, J. & Nel, A. (2009) The oldest Calopterygidae in the Eocene Baltic amber (Odonata: Zygoptera). *Zootaxa*, 1985, 52–56. <https://doi.org/10.11646/zootaxa.1985.1.5>
371. Garrouste, R., Nel, A. & Gand, G. (2009) New fossil arthropods (Notostraca and Insecta: Syntonopterida) in the Continental Middle Permian of Provence (Bas-Argens basin, France). *C. R. Palevol*, 8: 49–57. <https://doi.org/10.1016/j.crpv.2008.11.008>
372. Huang, D.Y. & Nel, A. (2009) Oldest web-spinners from the Middle Jurassic of Inner Mongolia, China (Insecta: Embiidea). *Zoological Journal of the Linnean Society*, 156 (4), 889–895. <https://doi.org/10.1111/j.1096-3642.2008.00499.x>
373. Huang, D.Y. & Nel, A. (2009) The first Chinese Tarsophlebiidae from the Lower Cretaceous Yixian Formation, with morphological and phylogenetic implications (Odonatoptera: Panodonata). *Cretaceous Research*, 30, 429–433. <https://doi.org/10.1016/j.cretres.2008.08.005>
374. Huang, D.Y., Baudoin, A. & Nel, A. (2009) A new aeshnidiid genus from the Early Cretaceous of China (Odonata: Anisoptera). *Cretaceous Research*, 30, 805–809. <https://doi.org/10.1016/j.cretres.2008.12.014>
375. Kirejtshuk, A.G. & Nel, A. (2009) New beetles of the suborder Polyphaga from the Lowermost Eocene French amber (Insecta: Coleoptera). *Annales de la Société Entomologique de France, (N.S.)*, 44 (4), 419–442. <https://doi.org/10.1080/00379271.2008.10697578>
376. Kirejtshuk, A.G., Azar, D., Beaver, R.A., Mandelshtam, M.Y. & Nel, A. (2009) The most ancient bark beetle known: a new tribe, genus and species from Lebanese amber (Coleoptera, Curculionidae, Scolytinae). *Systematic Entomology*, 34, 101–112. <https://doi.org/10.1111/j.1365-3113.2008.00442.x>
377. Kraemer, M.M.S. & Nel, A. (2009) First recorded evidence in the fossil record of snipe flies (Diptera: Rhagionidae) in Cretaceous amber, France. *Cretaceous Research*, 30, 1367–1375. <https://doi.org/10.1016/j.cretres.2009.08.001>
378. Lak, M. & Nel, A. (2009) An enigmatic diapiiid wasp (Insecta, Hymenoptera) from French Cretaceous amber. *Geodiversitas*, 31 (1), 137–144. <https://doi.org/10.5252/g2009n1a12>
379. Lak, M., Fleck, G., Azar, D., Engel, M.S., Kaddumi, H.F., Néraudeau, D., Tafforeau, P. & Nel, A. (2009) Phase contrast X-ray synchrotron imaging and the oldest damselflies in amber (Odonata: Zygoptera: Hemiphlebiidae). *Zoological Journal of the Linnean Society*, 156, 913–923. <https://doi.org/10.1111/j.1096-3642.2008.00497.x>
380. Michez, D., Demeulemeester, T., Rasmont, P., Nel, A. & Patiny, S. (2009) New fossil evidence of the early diversification of bees: *Paleohabropoda oudardi* from the French Paleocene (Hymenoptera, Apidae, Anthophorini). *Zoologica Scripta*, 38, 171–181. <https://doi.org/10.1111/j.1463-6409.2008.00362.x>
381. Nel, A. (2009). A new Odonata family from the Jurassic of Central Asia. *Journal of Natural History*, 43 (1–2), 57–64. <https://doi.org/10.1080/00222930802528182>
382. Nel, A., Azar, D. & Hervet, S. (2009) A new rhopalosomatid wasps in the Paleocene of France (Hymenoptera). *Annales de la Société Entomologique de France, (N.S.)*, 46 (1–2), 211–215. <https://doi.org/10.1080/00379271.2010.10697660>
383. Perrichot, V., Nel, A. & Quicke, D.L.J. (2009) New braconid wasps from French Cretaceous amber (Hymenoptera, Braconidae): synonymisation with Eoichneumonidae and implications for the phylogeny of Ichneumonoidea. *Zoologica Scripta*, 38 (1), 79–88. <https://doi.org/10.1111/j.1463-6409.2008.00358.x>
384. Petrulevičius, J.F. & Nel, A. (2009) First Cordulephylidae dragonfly in America: a new genus and species from the Paleogene of Argentina. *C. R. Palevol*, 8, 385–388. <https://doi.org/10.1016/j.crpv.2008.12.004>
385. Petrulevičius, J.F., Nel, A. & Sallénave, A.S. (2009) Recent genus *Notonecta* (Insecta, Heteroptera, Notonectidae) in the Lower Cretaceous of San Luis, Argentina. Palaeoecological implications. *Annales de la Société Entomologique de France, (N.S.)*, 46 (1–2), 247–253. <https://doi.org/10.1080/00379271.2010.10697665>
386. Prokop, J. & Nel, A. (2009) Systematic position of *Triplosoba*, hitherto the oldest mayfly from Upper Carboniferous of Commeny in Central France (Insecta: Palaeodictyoptera). *Systematic Entomology*, 34 (4), 610–615.
387. Azar, D. & Nel, A. (2009) First Tridactylidae from the Eocene French amber (Insecta: Orthoptera). *Alavesia*, 2, 169–175.
388. Azar, D., Nel, A. & Waller, A. (2009) Two new Ptiloneuridae from Colombian copal (Psocodea: Psocomorpha). *Denisia*, 26, 21–28.
389. Azar, D., Waller, A. & Nel, A. (2009) A phantom midge from the Lower Cretaceous Lebanese amber (Diptera, Chaoboridae). *Denisia*, 26, 29–34.
390. Brasero, N., Nel, A. & Michez, D. (2009) Insects from the Early Eocene amber of Oise (France): diversity and palaeontological significance. *Denisia*, 26, 41–52.
391. Coram, R.A. & Nel, A. (2009) A new petalurid dragonfly from the Lower Cretaceous of southern England (Odonata: Petaluridae: ?Cretapetaluridae). *Palaeodiversity*, 2, 205–208.
392. Fleck, G., Nel, A., Bechly, G., Delclòs, X., Jarzembowski, E.A. & Coram, R.A. (2009) New Lower Cretaceous ‘libelluloid’ dragonflies (Insecta: Odonata: Cavilabiata) with notes about estimated divergence dates for this group. *Palaeodiversity*, 1, 19–36.
393. Kirejtshuk, A.G. & Nel, A. (2009). New genera and species of Cucujiformia (Coleoptera, Polyphaga) from Lowermost Eocene French amber. *Denisia*, 26, 103–118.
394. Masselot, G., Nel, A. & Thomas, A. (2009) Reprise d’une étude - modèle sur les macroinvertebrés lotiques: la Lapwai Creek (Idaho, USA). 2e partie: apport de la synécoparcimonie. *Ephemera*, 10 (2), 123–138.
395. Nel, A. & Bechly, G. (2009) The third petalurid dragonfly from the Lower Cretaceous of Brazil (Odonata: Cretapetaluridae). *Annales Zoologici*, 59 (3), 281–285. <https://doi.org/10.3161/000345409X476350>
396. Nel, A. & Huang, D.Y. (2009) First Chinese Cymatophlebiidae from the Middle Jurassic of Inner Mongolia (Odonata: Anisoptera: Aeshnoptera). *Palaeodiversity*, 2, 199–204.



397. Nel, A. & Prokop, J. (2009) Going to species in palaeoentomology: illusion and necessity. *Mémoires de la Société Entomologique de France*, 8, 49–55.
398. Nel, A., Bechly, G., Delclòs, X. & Huang, D.Y. (2009) New and poorly known Mesozoic damself-dragonflies (Odonata: Isophlebioidea: Campterochlebiidae, Isophlebiidae). *Palaeodiversity*, 2, 209–232.
399. Perrichot, V. & Nel, A. (2009) A new belytine wasp in Cretaceous amber from France (Hymenoptera: Diapriidae). *Alavesia*, 2, 203–209.
400. Nel, A., Fleck, G., Garrouste, R., Gand, G., Lapeyrie, J., Bybee, S.M. & Prokop, J. (2009) Revision of Permo-Carboniferous griffenflies (Insecta: Odonoptera: Meganisoptera) based upon new species and redescription of selected poorly known taxa from Eurasia. *Palaeontographica*, (A), 289, 89–121. <https://doi.org/10.1127/pala/289/2009/89>
- 2010:**
401. Azar, D. & Nel, A. (2010) The earliest fossil schizopterid bug (Insecta: Heteroptera) in the Lower Cretaceous amber of Lebanon. *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 193–197. <https://doi.org/10.1080/00379271.2010.10697657>
402. Azar, D. & Nel, A. (2010) Two new non-biting midges from the Early Cretaceous Lebanese amber (Diptera: Chironomidae). *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 198–203. <https://doi.org/10.1080/00379271.2010.10697658>
403. Azar, D., Gèze, R., El-Samrani, A., Maalouly, J. & Nel, A. (2010) Jurassic amber in Lebanon. *Acta Geologica Sinica (English Edition)*, 84 (4), 977–983. <https://doi.org/10.1111/j.1755-6724.2010.00228.x>
404. Azar, D., Nel, A. & Petrulevičius, J.F. (2010) First psocodean (Psocodea, Empheiriidae) from the Cretaceous amber of New Jersey. *Acta Geologica Sinica (English version)*, 84 (4), 762–767. <https://doi.org/10.1111/j.1755-6724.2010.00255.x>
405. Azar, D., Nel, A., Coty, D. & Garrouste, R. (2010) The second fossil ceratocombid bug from the Miocene amber of Chiapas (Mexico) (Hemiptera: Ceratocombidae). *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 100–102. <https://doi.org/10.1080/00379271.2010.10697642>
406. Belokobylskij, S.A., Nel, A., Waller, A. & De Ploëg, G. (2010) New fossil non-cyclostome braconid wasps from the Lowermost Eocene amber of Paris Basin. *Acta Palaeontologica Polonica*, 55 (3), 519–527. <https://doi.org/10.4202/app.2009.1114>
407. Béthoux, O. & Nel, A. (2010) Description of a new grylloblattidan insect from Montceau-les-Mines (Late Carboniferous; France) and definition of *Phenopterum* Carpenter, 1950. *Systematic Entomology*, 35, 546–553. <https://doi.org/10.1111/j.1365-3113.2010.00527.x>
408. Blagoderov, V., Hippa, H. & Nel, A. (2010) *Parisognoriste*, a new genus of Lygistorrhinidae (Diptera, Sciaroidea) from the Oise amber with redescription of *Palaeognoriste* Meunier. *ZooKeys*, 50, 79–90. <https://doi.org/10.3897/zookeys.50.506>
409. Garrouste, R. & Nel, A. (2010) First semi-aquatic bugs Mesoveliidae and Hebridae in the Miocene Dominican amber (Hemiptera: Heteroptera: Gerromorpha). *Insect Systematics & Evolution*, 41, 93–102. <https://doi.org/10.1163/187631210X496822>
410. Huang, D.Y. & Nel, A. (2010) *Protoliupanshania wangi*, a new genus and species from the Chinese Early Cretaceous (Odonata: Aeshnoptera: Liupanshaniidae). *Zootaxa*, 2387, 57–62. <https://doi.org/10.11646/zootaxa.2387.1.5>
411. Huang, D.Y. & Nel, A. (2010) *Sinahemeriscopus magnificus*, new genus and species of ‘libelluloid’ dragonfly from the Chinese Mesozoic (Odonata, Anisoptera: Nannogomphidae?). *Zootaxa*, 2388, 44–48. <https://doi.org/10.11646/zootaxa.2388.1.3>
412. Huang, D.Y., Petrulevičius, J.F. & Nel, A. (2010) New morphological data from the Jurassic of Inner Mongolia confirms the damselfly aspect of Protomyrmeleontidae (Insecta: Odonoptera). *European Journal of Entomology*, 107 (4), 615–620. <https://doi.org/10.14411/eje.2010.070>
413. Huang, D.Y., Nel, A. and Minet, J. (2010) A new family of moths from the Middle Jurassic (Insecta: Lepidoptera). *Acta Geologica Sinica (English version)*, 84 (4), 874–885. <https://doi.org/10.1111/j.1755-6724.2010.00233.x>
414. Kirejtshuk A.G., Nel, A. & Collomb, F.M. (2010) New Archostemata (Insecta, Coleoptera) from the French Paleocene and Early Eocene. *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 216–227. <https://doi.org/10.1080/00379271.2010.10697661>
415. Lin, Q.B., Nel, A. & Huang, D.Y. (2010) First agetopanorpine mecopteroid insect from Early Permian of China (Insecta: Mecoptera: Permochoristidae). *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 62–66. <https://doi.org/10.1080/00379271.2010.10697639>
416. Lin, Q.B., Nel, A. & Huang, D.Y. (2010) *Sinaktassia tangi*, a new Chinese Mesozoic genus and species of Aktassiidae (Odonata: Petaluroidea). *Zootaxa*, 2359, 61–64. <https://doi.org/10.11646/zootaxa.2359.1.5>
417. Lin, Q.B., Petrulevičius, J.F., Huang, D.Y., Nel, A. & Engel, M.S. (2010) First fossil Calopterygoidea from Southeastern Asia (Odonata: Zygoptera): a new genus and species from the Paleogene of China. *Geobios*, 43, 349–353. <https://doi.org/10.1016/j.geobios.2009.11.005>
418. Loureiro, J.P., Correia, P., Nel, A. & Pinto de Jesus, A. (2010) *Lusitanaura covensis* n. gen., n. sp., first Caloneuroidea from the Carboniferous of Portugal (Insecta: Pterygota: Panorthoptera). *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 242–246. <https://doi.org/10.1080/00379271.2010.10697664>
419. Millet, J. & Nel, A. (2010) A new myrmeleontoid genus from the Crato Formation of Northeast Brazil (Lower Cretaceous) (Insecta: Neuroptera: Palaeoleontidae). *Zootaxa*, 2353, 49–54. <https://doi.org/10.11646/zootaxa.2353.1.4>
420. Minet, J., Huang, D.Y., Wu, H. & Nel, A. (2010) Early Mecoptera and the systematic position of the Microptysmatidae (Insecta: Endopterygota). *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 262–270. <https://doi.org/10.1080/00379271.2010.10697667>
421. Montreuil, O., Génier, F. & Nel, A. (2010) *Lobateuchus*, un nouveau genre de «bousier» fossile du nord de la France (Coleoptera: Scarabaeidae, Scarabaeinae). *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 164–167. <https://doi.org/10.1080/00379271.2010.10697652>
422. Moseyko, A.G., Kirejtshuk, A.G. & Nel, A. (2010) New genera and new species of leaf beetles (Coleoptera: Polyphaga: Chrysomelidae) from Lowermost Eocene French amber. *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 116–123. <https://doi.org/10.1080/00379271.2010.10697645>
423. Nel, A. (2010) A new Mesozoic-aged rhagionemestriid fly (Diptera: Nemestrinoidea) from China. *Zootaxa*, 2645, 49–54. <https://doi.org/10.11646/zootaxa.2645.1.2>
424. Nel, A. & Huang, D.Y. (2010) A new Mesozoic Chinese genus of aeshnopteran dragonflies (Odonata: Anisoptera: Progoebiaeschnidae). *C. R. Palevol*, 9, 141–145. <https://doi.org/10.1016/j.crpv.2010.05.005>
425. Nel, A. & Petrulevičius J.F. (2010) Afrotropical and Nearctic genera of Odonata in the French Oligocene: biogeographic and paleoclimatic implications (Insecta: Calopterygidae and Aeshnidae). *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 228–236. <https://doi.org/10.1080/00379271.2010.10697662>
426. Nel, A., Delfosse, E., Robillard, T. & Petrulevičius, J.F. (2010) An early winged crown group stick insect from the Early Eocene amber of France (Insecta, Phasmatodea). *Systematic Entomology*, 35, 340–346. <https://doi.org/10.1111/j.1365-3113.2009.00515.x>
427. Nel, A., Depalma, R.A. & Engel, M.S. (2010) A possible hemiphlebiid damselfly in Late Cretaceous amber from South Dakota (Odonata: Zygoptera). *Transactions of the Kansas Academy of Science*, 113 (3–4), 231–234. <https://doi.org/10.1660/062.113.0312>
428. Nel, A., Nel, P., Petrulevičius, J.F., Perrichot, V., Prokop, J. & Azar, D. (2010) The Wagner Parsimony using Morphological Characters: a new method for palaeosynecological studies. *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 276–292. <https://doi.org/10.1080/00379271.2010.10697669>
429. Nel, A., Petrulevičius, J.F. & Azar, D. (2010) Palaeoentomology, a young old field of science. *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 1–3. <https://doi.org/10.1080/00379271.2010.10697635>
430. Nel, P., Peñalver, E., Azar, D., Hodebert, G. & Nel, A. (2010) Modern thrips families Thripidae and Phlaeothripidae in Early Cretaceous amber (Insecta: Thysanoptera). *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 154–163. <https://doi.org/10.1080/00379271.2010.10697651>
431. Peñalver, E., Ortega-Blanco, J., Nel, A. & Delclòs, X. (2010) Mesozoic Evaniidae (Insecta: Hymenoptera) in Spanish amber: reanalysis of the phylogeny of the Evanioidea. *Acta Geologica Sinica (English version)*, 84 (4): 809–827. <https://doi.org/10.1111/j.1755-6724.2010.00257.x>
432. Pérez de la Fuente, R. Nel, A., Peñalver, P. & Delclòs, X. (2010) A new Early Cretaceous snakefly (Raphidioptera: Mesoraphidiidae) from El Soplao amber (Spain). *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 108–115. <https://doi.org/10.1080/00379271.2010.10697644>
433. Petrulevičius, J.F. & Nel, A. (2010) A new genus and species of damer dragonfly (Aeshnidae: Odonata) from the lower Eocene of Laguna del Hunco, Patagonia, Argentina. *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 271–275. <https://doi.org/10.1080/00379271.2010.10697668>
434. Petrulevičius, J.F., Azar, D. & Nel, A. (2010) A new thorny lacewing (Insecta: Neuroptera: Rhachiberothidae) from the Early Cretaceous amber of Lebanon. *Acta Geologica Sinica (English version)*, 84 (4), 828–833. <https://doi.org/10.1111/j.1755-6724.2010.00242.x>
435. Prokop, J. & Nel, A. (2010) New griffenfly, *Bohemiatupus elegans* from the Late Carboniferous of western Bohemia in the Czech Republic (Odonatoptera: Meganisoptera: Meganeuridae). *Annales de la Société Entomologique de France*, (N.S.), 46 (1–2), 183–188. <https://doi.org/10.1080/00379271.2010.10697655>
436. Prokop, J., Nel, A. & Tenny, A. (2010) New light shed on phylogenetic position of Syntonopteroidea (Insecta: Ephemeroptera), an enigmatic

- group of palaeopterous insects with a newly discovered taxon from Upper Carboniferous of England. *Organisms Diversity & Evolution*, 10 (4), 331–340.  
<https://doi.org/10.1007/s13127-010-0022-2>
437. Schmidt, A.R., Perrichot, V., Svojtka, M., Anderson, K.B., Belete, K.H., Dörfelt, H., Jancke, S., Mohr, B., Mohrmann, E., Nascimbene, P.C., Nel, A., Nel, P., Ragazzi, E., Roghi, G., Saupe, E.E., Schmidt, K., Schneider, H., Selden, P.A. & Vávra, N. (2010) Cretaceous African life captured in amber. *Proceedings of the National Academy of Science*, 107 (16), 7329–7334.  
<https://doi.org/10.1073/pnas.1000948107>
438. Soriano, C., Archer, M., Azar, D., Creaser, P., Delclòs, X., Godthelp, H., Hand, S., Jones, A., Nel, A., Néraudeau, D., Ortega-Blanco, J., Pérez-de la Fuente, R., Perrichot, V., Saupe, E., Solórzano Kraemer, M. & Tafforeau, P. (2010) Synchrotron X-ray imaging of inclusions in amber. *C. R. Palevol*, 9, 361–368.  
<https://doi.org/10.1016/j.crpv.2010.07.014>
439. Vernoux, J., Garrouste, R. & Nel, A. (2010) The first psallopineous bug from Lowermost Eocene French amber (Heteroptera: Miridae). *Zootaxa*, 2499, 63–68.  
<https://doi.org/10.11646/zootaxa.2499.1.5>
440. Vernoux, J., Huang, D.Y., Jarzembowski, E.A. & Nel, A. (2010) The Proterogomphidae: a worldwide Mesozoic family of gomphid dragonflies (Odonata: Anisoptera: Gomphidae). *Cretaceous Research*, 31 (1), 94–100.  
<https://doi.org/10.1016/j.cretres.2009.09.010>
441. Azar, D., Prokop, J. & Nel, A. (2010) The first damselfly from the Cretaceous Lebanese amber (Odonata, Zygoptera). *Alavesia*, 3, 73–79.
442. Fikáček, M., Prokop, J. & Nel, A. (2010) Fossil water scavenger beetles of the subtribe Hydrobiusina (Coleoptera: Hydrophilidae) from the Late Oligocene locality of Aix-en-Provence (France). *Acta Entomologica Musei Nationalis Pragae*, 50 (2), 445–458.
443. Huang, D.Y. & Nel, A. (2010) First fossil record of a Lindeniiidae from the Miocene Shanwang Formation of China (Odonata, Anisoptera, Lindeniiidae). *Bulletin de la Société Entomologique de France*, 114 (4), 441–443.
444. Kirejtshuk, A.G., Háva, J. & Nel, A. (2010) New genus and species of subfamily Trinodinae (Coleoptera, Polyphaga, Dermestidae) from Lowermost Eocene French amber. *Zoosystematica Rossica*, 19 (1), 54–69.
445. Kirejtshuk, A.G., Nabozhenko, M.V. & Nel, A. (2010) New genus and species of the tribe Opatrini (Coleoptera, Tenebrionidae, Tenebrioninae) from the Lowermost Eocene amber of Paris Basin. *Proceedings of the Zoological Institute of the Academy of Science of Russia*, 314 (2), 191–196.
446. Petrulevičius, J.F., Delclòs, X. & Nel, A. (2010) A first fossil of the family Amphipterygidae (Odonata: Zygoptera), with description of a new genus from the Late Eocene/Early Oligocene of Siberia. *Alavesia*, 3, 25–29.
447. Nel, A. & Brasero, N. (2010) Oise amber. pp. 137–148. In: Penney, D. (Ed.). *Biodiversity of fossils in amber from the major world deposits*. Siri Scientific Press, Manchester.
- 2011:**
448. Aria, C., Perrichot, V. & Nel, A. (2011) Fossil Ponerinae (Hymenoptera: Formicidae) in Early Eocene amber of France. *Zootaxa*, 2870, 53–62.  
<https://doi.org/10.11646/zootaxa.2870.1.3>
449. Azar, D. & Nel, A. (2011) The oldest psyllipsocid booklice, in Lower Cretaceous amber from Lebanon (Psocodea, Trogiomorpha, Psocathropetae, Psyllipsocidae). In: Shcherbakov, D.E., Engel, M.S. & Sharkey, M.J. (Eds.). *Advances in the systematics of fossil and modern insects: Honouring Alexandr Rasnitsyn*. *ZooKeys*, 130, 153–165.  
<https://doi.org/10.3897/zookeys.130.1430>
450. Choufani, J., Azar, D. & Nel, A. (2011) The oldest amphientomete booklouse from Lower Cretaceous amber of Lebanon (Psocodea: Troctomorpha). *Insect Systematics & Evolution*, 42 (2), 149–159.  
<https://doi.org/10.1163/187631211X579405>
451. Choufani, J., Azar, D., Perrichot, V., Soriano, C., Tafforeau, P. & Nel, A. (2011) The genus *Leptoconops* Skuse (Diptera: Ceratopogonidae) in Early Cretaceous Charentese amber. *Palaeobiodiversity and Palaeoenvironments*, 91 (4), 285–291. (rang A).  
<https://doi.org/10.1007/s12549-011-0057-1>
452. Colin, J.-P., Néraudeau, D., Nel, A. & Perrichot, V. (2011) Termite coprolites (Insecta: Isoptera) from the Cretaceous of western France: a palaeoecological insight. *Revue de Micropaléontologie*, 54 (3), 129–139.  
<https://doi.org/10.1016/j.revmic.2011.06.001>
453. Engel, M.S., Nel, A., Azar, D., Soriano, C., Tafforeau, P., Néraudeau, D., Colin, J.P. & Perrichot, V. (2011) New, primitive termites (Isoptera) from Early Cretaceous ambers of France and Lebanon. *Palaeodiversity*, 4, 39–49.
454. Jattiot, R., Krogmann, L. & Nel, A. (2011) Revision of *Prosyntexis* from the Lower Cretaceous Crato Formation of Brazil (Hymenoptera: Sepulcidae: Trematothoracinae). *Zootaxa*, 3058, 55–62.  
<https://doi.org/10.11646/zootaxa.3058.1.4>
455. Le Gall, P., Silvain, J.-F., Nel, A. & Lachaise, D. (2011) Les insectes actuels témoins des passés de l'Afrique: essai sur l'origine et la singularité de l'entomofaune de la région afrotropicale. *Annales de la Société Entomologique de France*, (N.S.), 46 (3–4), 297–343.  
<https://doi.org/10.1080/00379271.2010.10697672>
456. Li, Y.J., Nel, A., Ren, D. & Pang, H. (2011) A new genus and species of hawker dragonfly of uncertain affinities from the Middle Jurassic of China (Odonata: Aeshnoptera). *Zootaxa*, 2927, 57–62.
457. Li, Y.J., Nel, A., Ren, D., Zhang, B.L. & Pang, H. (2011) A new Chinese Mesozoic dragonfly clarifies the relationships between Rudiaeschnidae and Cymatophlebiidae (Odonata: Aeshnoptera). *Zootaxa*, 2802, 51–57.  
<https://doi.org/10.11646/zootaxa.2802.1.5>
458. Li, Y.J., Nel, A., Ren, D., Zhang, B.L. & Pang, H. (2011) New discoveries of Neogene hawker dragonflies (Insecta: Odonata: Aeshnidae) from Shandong province in China. *Zoosystema*, 33 (4), 577–590.  
<https://doi.org/10.5252/z2011n4a8>
459. Marchal, L., Guilbert, E., Brisac, P. & Nel, A. (2011) A new record and a new species of Aradidae fossils (Hemiptera: Heteroptera). *Zootaxa*, 2832, 56–62.  
<https://doi.org/10.11646/zootaxa.2832.1.4>
460. Nel, A. & Delfosse, E. (2011) A new Chinese Mesozoic stick insect. *Acta Paleontologica Polonica*, 56 (2), 429–432.  
<https://doi.org/10.4202/app.2009.1108>
461. Perrichot, V., Engel, M.S., Nel, A., Tafforeau, P. & Soriano, C. (2011) New earwig nymphs (Dermaptera: Pygidicranidae) in mid-Cretaceous amber from France. *Cretaceous Research*, 32, 325–330.  
<https://doi.org/10.1016/j.cretres.2011.01.004>
462. Petrulevičius, J.F., Huang, D.Y. & Nel, A. (2011) A new genus and species of damselfly dragonfly (Odonata: Isophlebiidae: Campteroptelebiidae) in the Middle Jurassic of Inner Mongolia, China. *Acta Geologica Sinica*, (English Edition), 85 (4), 733–738.  
<https://doi.org/10.1111/j.1755-6724.2011.00478.x>
463. Petrulevičius, J.F., Nel, A., De Franceschi, D., Goillot, C., Antoine, P.-O., Salas-Gismondi, R. & Flynn, J.J. (2011) First fossil blood sucking Psychodidae in South America: a scyroraine moth fly (Insecta: Diptera) in the middle Miocene Amazonian amber. *Insect Systematics & Evolution*, 42, 87–96.  
<https://doi.org/10.1163/187631211X560919>
464. Petrulevičius, J.F., Wappler, T., Nel, A. & Rust, J. (2011) The diversity of Odonata and their endophytic ovipositions from the Upper Oligocene Fossilagerstätte of Rott (Rhineland, Germany). In: Shcherbakov, D.E., Engel, M.S. & Sharkey, M.J. (Eds.). *Advances in the systematics of fossil and modern insects: Honouring Alexandr Rasnitsyn*. *ZooKeys*, 130, 67–89.  
<https://doi.org/10.3897/zookeys.130.1441>
465. Prokop, J. & Nel, A. (2011) New Middle Permian palaeopteran insects from Lodève Basin in southern France (Ephemeroptera, Diaphanopteroidea, Megaseoptera). In: Shcherbakov, D.E., Engel, M.S. & Sharkey, M.J. (Eds.). *Advances in the systematics of fossil and modern insects: Honouring Alexandr Rasnitsyn*. *ZooKeys*, 130, 41–55.  
<https://doi.org/10.3897/zookeys.130.1311>
466. Szweo, J. & Nel, A. (2011) The oldest aphid insect from the Middle Triassic of the Vosges, France. *Acta Palaeontologica Polonica*, 56 (4), 757–766.  
<https://doi.org/10.4202/app.2010.0034>
467. Azar, D., Nel, A., Engel, M.S., Garrouste, R. & Matocq, A. (2011) A new family of Coreoidea from the Lower Cretaceous Lebanese Amber (Hemiptera: Pentatomomorpha). *Polskie Pismo Entomologiczne*, 80, 627–644.  
<https://doi.org/10.2478/v10200-011-0049-5>
- 2012:**
468. Beattie, R.G. & Nel, A. (2012) A new dragonfly, *Austroprotolindenia jurassica* (Odonata: Anisoptera), from the Upper Jurassic of Australia. *Alcheringa, an Australasian Journal of Palaeontology*, 36 (2), 189–193.  
<https://doi.org/10.1080/03115518.2011.598055>
469. Garrouste, R., Clément, G., Nel, P., Engel, M.S., Grandcolas, P., d'Haese, C., Lagebro, L., Denayer, J., Gueriau, P., Lafaité, P., Olive, S., Prestianni, C. & Nel, A. (2012) A complete insect from the Late Devonian: shrinking the 'hexapod gap'. *Nature*, 488, 82–85.  
<https://doi.org/10.1038/nature11281>
470. Genise, J.F., Garrouste, R., Nel, P., Grandcolas, P., Maurizot, P., Cluzel, D., Cornette, R., Fabre, A.-C. & Nel, A. (2012) *Asthenopodichnum* in fossil wood: different trace makers as indicators of different terrestrial palaeoenvironments. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 365–366, 184–191.  
<https://doi.org/10.1016/j.palaeo.2012.09.025>
471. Huang, D.Y., Engel, M.S., Cai, C.Y., Wu, H. & Nel, A. (2012) Diverse transitional giant fleas from the Mesozoic of China. *Nature*, 483 (7388), 201–204.  
<https://doi.org/10.1038/nature10839>
472. Jattiot, R., Bechly, G., Garrouste, R. & Nel, A. (2012) An enigmatic Nepoidea from the Lower Cretaceous of Brazil (Hemiptera: Heteroptera). *Cretaceous Research*, 34, 344–347.  
<https://doi.org/10.1016/j.cretres.2011.11.020>
473. Krogmann, L. & Nel, A. (2012) On the edge of parasitoidism: A new Lower Cretaceous woodwasp forming the putative sister group of Xiphydriidae + Euhymenoptera (Insecta: Hymenoptera). *Systematic Entomology*, 37 (1), 215–222.  
<https://doi.org/10.1111/j.1365-3113.2011.00608.x>
474. Li, J.K., Nel, A., Zhang, X.P., Fleck, G., Gao, M.X., Lin, L. & Zhou, J. (2012) The third species of the relict damselfly dragonfly family



- Epiophlebiidae discovered in China (Insecta: Odonata: Epiproctophora). *Systematic Entomology*, 37, 408–412.  
<https://doi.org/10.1111/j.1365-3113.2011.00610.x>
475. Li, Y.J., Gang, H., Nel, A., Ren, D., Pang, H. & Liu, X.L. (2012) A new fossil Petalurida dragonfly (Odonata: Petaluroidea: Aktassiidae) from the Cretaceous of China. *Alcheringa*, 36 (3), 319–322.  
<https://doi.org/10.1080/03115518.2012.644995>
476. Li, Y.J., Nel, A., Ren, D. & Pang, H. (2012) A new damselfly dragonfly from the Lower Cretaceous of China enlightens the systematics of the Isophlebioidae (Odonata: Isophlebioptera: Campterochlebiidae). *Cretaceous Research*, 34, 340–343.  
<https://doi.org/10.1016/j.cretres.2011.11.019>
477. Li, Y.J., Nel, A., Ren, D. & Pang, H. (2012) New gomphaeschnids and progobiaeschnids from the Yixian Formation in Liaoning Province (China) illustrate the tremendous Upper Mesozoic diversity of the aeshnopteran dragonflies. *Geobios*, 45, 339–350.  
<https://doi.org/10.1016/j.geobios.2011.11.016>
478. Li, Y.J., Nel, A., Ren, D. & Pang, H. (2012) Reassessment of the Jurassic damselfly dragonfly genus *Karatawia* (Odonata: Campterochlebiidae). *Zootaxa*, 3417, 64–68.  
<https://doi.org/10.11646/zootaxa.3417.1.4>
479. Li, Y.J., Nel, A., Ren, D. & Pang, H. (2012) Redescription of the damselfly dragonfly *Parafleckium senjittuense* on the basis of a more complete specimen (Odonata: Isophlebioptera: Campterochlebiidae). *Zootaxa*, 3597, 53–56.  
<https://doi.org/10.11646/zootaxa.3597.1.7>
480. Nel, A., Ilger, J.-M., Brauckmann, C. & Prokop, J. (2012) Revision of *Bechala sommeri* Ilger and Brauckmann, 2012 from the early Late Carboniferous of Germany (Insecta: Odonatoptera: Bechalidae). *Insect Systematics & Evolution*, 43 (2), 161–169.  
<https://doi.org/10.1163/1876312X04302003>
481. Nel, A. & Fleck, G. (2012) A new genus and species of Sieblosiidae from the Middle Miocene of Germany (Odonata: Epiproctophora). *Zootaxa*, 3582, 64–68.  
<https://doi.org/10.11646/zootaxa.3582.1.7>
482. Nel, A., Aria, C., Garrouste, R. & Waller, A. (2012) Evolution and palaeosynecology of the Mesozoic earwigs (Insecta: Dermaptera). *Cretaceous Research*, 33, 189–195.  
<https://doi.org/10.1016/j.cretres.2011.10.002>
483. Nel, A., Bechly, G., Prokop, J., Béthoux, O. & Fleck, G. (2012) Systematics and evolution of Palaeozoic and Mesozoic damselfly-like Odonatoptera of the ‘protozygopteran’ grade. *Journal of Paleontology*, 86 (1), 81–104.  
<https://doi.org/10.1666/11-020.1>
484. Nel, A., Prokop, J., Nel, P., Grandcolas, P., Huang, D.Y., Roques, P., Guilbert, E., Dostál, O. & Szwedo, J. (2012) Traits and evolution of wing venation pattern in paraneopteran insects. *Journal of Morphology*, 273, 480–506.  
<https://doi.org/10.1002/jmor.11036>
485. Nel, P., Azar, D., Prokop, J., Roques, P., Hodebert, G. & Nel, A. (2012) From Carboniferous to Recent: wing venation enlightens evolution of thysanopteran lineage. *Journal of Systematic Paleontology*, 10 (2), 385–399.  
<https://doi.org/10.1080/14772019.2011.598578>
486. Peñalver, E., Labandeira, C.C., Barrón, E., Delclòs, X., Nel, P., Nel, A., Tafforeau, P. & Soriano, C. (2012) Thrips pollination of Mesozoic gymnosperms. *Proceedings of the National Academy of Science*, 109 (22), 8623–8628.  
<https://doi.org/10.1073/pnas.1120499109>
487. Petrulevičius, J.F., Martins-Neto, R.G., Azar, D., Makhoul, E. & Nel, A. (2012) Full description of *Cordulagomphus primaerensis* from Santana Formation (Lower Cretaceous of Brazil) (Odonata: Aeshnoptera: Proterogomphidae). *Zootaxa*, 3503, 55–60.  
<https://doi.org/10.11646/zootaxa.3503.1.4>
488. Prokop, J., Weiß, K.-D., Dechambre, R.-P. & Nel, A. (2012) Early Permian insects from Saar–Nahe Basin of Odenheim, Rheinland-Pfalz in Germany (Insecta: Grylloblattida, Blattinopseida). *Geodiversitas*, 34 (2), 271–281.  
<https://doi.org/10.5252/g2012n2a2>
489. Skartveit, J. & Nel, A. (2012) Fossil Bibionidae (Diptera) from the late Oligocene of Bes-Konak, Anatolia, Turkey. *Zootaxa*, 3329, 51–63.  
<https://doi.org/10.11646/zootaxa.3329.1.5>
490. Krzemiński, W., Kania, I. & Nel, A. (2012) *Probittacomorpha brisacii* n. sp. (Ptychopteridae, Bittacomorphinae) from the Late Miocene of Montagne d’Andance, Saint Bazile, Ardèche (France). *Zootaxa*, 3521, 80–88.  
<https://doi.org/10.11646/zootaxa.3521.1.6>
491. Kirejtshuk, A.G., Nabozhenko, M.V. & Nel, A. (2012) First Mesozoic representative of the subfamily Tenebrioninae (Coleoptera, Tenebrionidae) from the Lower Cretaceous of Yixian (China, Liaoning). *Entomological Review*, 92 (1), 97–100.  
<https://doi.org/10.1134/S0013873812010101>
- 2013:**
492. Garrouste, R., Clément, G., Nel, P., Engel, M.S., Grandcolas, P., D’Haese, C., Lagebro, L., Denayer, J., Gueriau, P., Lafaite, P., Olive, S., Prestianni, C. & Nel, A. (2013) Garrouste et al. reply to REPLYING TO T. Hörschemeyer et al. *Nature* 494, <http://dx.doi.org/10.1038/nature11887> (2013). *Nature*, 494, E4–E5.  
<https://doi.org/10.1038/nature11887>
493. Azar, D. & Nel, A. (2013) Evolution of hematophagy in “non-biting midges” (Diptera: Chironomidae). *Terrestrial Arthropod Reviews*, 6, 15–34.  
<https://doi.org/10.1163/187498312X620577>
494. Barth, G., Nel, A. & Franz, M. (2013) Two new odonate-like insect wings from the latest Norian of northern Germany. *Polish Journal of Entomology*, 82, 127–142.  
<https://doi.org/10.2478/v10200-012-0029-4>
495. Coty, D. & Nel, A. (2013) New fossil Pachygastrinae from Mexican amber (Diptera: Stratiomyidae). *Annales de la Société Entomologique de France*, (N.S.), 49 (3), 267–272.  
<https://doi.org/10.1080/00379271.2013.845473>
496. Fate, C., Lapeyrie, J. & Nel, A. (2013) A new Permian Permagrionidae from the Middle Permian of the South of France (Odonatoptera: Protozygoptera). *Zootaxa*, 3702, 397–400.  
<https://doi.org/10.11646/zootaxa.3702.4.8>
497. Fate, C., Perrichot, V. & Nel, A. (2013) A Mid Cretaceous representative of the modern scatopsid genus *Ectactia* (Diptera: Scatopsidae: Ectactiinae). *Zootaxa*, 3686, 396–400.  
<https://doi.org/10.11646/zootaxa.3686.3.9>
498. Huang, D.Y., Engel, M.S., Cai, C.Y. & Nel, A. (2013) Mesozoic giant fleas from northeastern China (Siphonaptera): Taxonomy and implications for palaeodiversity. *Chinese Science Bulletin*, 58 (1), 1–9.  
<https://doi.org/10.1007/s11434-013-5769-3>
499. Huang, D.Y., Nel, A., Cai, C.Y., Lin, Q.B. & Engel, M.S. (2013) Amphibious flies and paedomorphism in the Jurassic period. *Nature*, 495, 94–97.  
<https://doi.org/10.1038/nature11898>
500. Kania, I. & Nel, A. (2013) New fossil Tipulidae from the volcano-sedimentary Latest Oligocene of Bes-Konak (Turkey). *Polish Journal of Entomology*, 82 (4), 327–338.  
<https://doi.org/10.2478/v10200-012-0046-3>
501. Kirejtshuk, A.G. & Nel, A. (2013) Current knowledge of Coleoptera (Insecta) from the Lowermost Eocene Oise amber. *Insect Systematics & Evolution*, 44, 175–201.  
<https://doi.org/10.1163/1876312X-04402007>
502. Krogmann, L., Engel, M.S., Bechly, G. & Nel, A. (2013) Lower Cretaceous origin of long-distance mate finding behaviour in Hymenoptera (Insecta). *Journal of Systematic Palaeontology*, 11 (1), 83–89.  
<https://doi.org/10.1080/14772019.2012.693954>
503. Li, Y.J., Nel, A., Ren, D. & Pang, H. (2013) A new damselfly dragonfly from the Mesozoic of China with a hook-like male anal angle (Odonata: Isophlebioptera: Campterochlebiidae). *Journal of Natural History*, 47 (29–30), 1953–1958.  
<https://doi.org/10.1080/00222933.2012.759287>
504. Li, Y.J., Nel, A., Shih, C.K., Ren, D. & Pang, H. (2013) The first euhemistid damselfly dragonfly from the Middle Jurassic of China (Odonata: Epiproctophora: Isophlebioptera). *ZooKeys*, 261, 41–50.  
<https://doi.org/10.3897/zookeys.261.4371>
505. Nel, A. & Skartveit, J. (2013) Occurrence of the genus *Hesperinus* Walker (Diptera, Hesperinidae) in the Oligocene of France. *Studia Dipterologica*, 18 (1–2), 85–89.
506. Nel, A., Azar, D. & Huang, D.Y. (2013) A new Middle Jurassic Chinese fossil clarifies the systematic composition of the Heterophlebioptera (Odonata: Trigonoptera). *Alcheringa: An Australasian Journal of Palaeontology*, 38 (1), 130–134.  
<https://doi.org/10.1080/03115518.2014.843385>
507. Nel, A., Escuillie, F. & Garrouste, R. (2013) A new scoliid wasp in the Early Cretaceous Crato Formation in Brazil (Hymenoptera: Scoliidae). *Zootaxa*, 3717, 395–400.  
<https://doi.org/10.11646/zootaxa.3717.3.10>
508. Nel, A., Krzeminski, W. & Szwedo, J. (2013) *Elektroeuphaea* gen. n., the oldest representative of the modern Epallaginae (Odonata: Zygoptera: Epallagidae). *Insect Systematics & Evolution*, 44 (2), 129–140.  
<https://doi.org/10.1163/1876312X-44032097>
509. Nel, A., Roques, P., Nel, P., Prokin, A.A., Bourgoin, T., Prokop, J., Szwedo, J., Azar, D., Desutter-Grandcolas, L., Wappler, T., Garrouste, R., Coty, D., Huang, D.Y., Engel, M. & Kirejtshuk, A.G. (2013) The earliest-known holometabolous insects. *Nature*, 503, 257–261.  
<https://doi.org/10.1038/nature12629>
510. Nel, P., Schmidt, A.R., Bäessler, C. & Nel, A. (2013) Fossil thrips of the family Uzelothripidae suggest 53 million years of morphological and ecological stability. *Acta Palaeontologica Polonica*, 58 (3), 609–614.
511. Petrulevičius, J.F. & Nel, A. (2013) A new Frenguelliidae (Insecta: Odonata) from the early Eocene of Laguna del Hunco, Patagonia, Argentina. *Zootaxa*, 3616, 597–600.  
<https://doi.org/10.11646/zootaxa.3616.6.6>
512. Prokop, J., Pecharová, M., Roques, P. & Nel, A. (2013) A new genus and species of Breyeriidae from the Upper Carboniferous of Nord-Pas-de-Calais, France supplemented by wings of immature stages (Insecta: Palaeodictyoptera). *Insect Systematics & Evolution*, 44 (2), 117–128.  
<https://doi.org/10.1163/1876312X-44032098>
513. Wappler, T., Garrouste, R., Engel, M.S. & Nel, A. (2013) Wasp mimicry among Palaeocene reduviid bug from Svalbard. *Acta Palaeontologica Polonica*, 58 (4), 883–887.

- <https://doi.org/10.4202/app.2011.0202>
514. Barth, G., Nel, A. & Franz, M. (2013) Two new odonate-like insect wings from the latest Norian of northern Germany. *Polish Journal of Entomology*, 82, 127–142.
- <https://doi.org/10.2478/v10200-012-0029-4>
515. Kirejtshuk, A.G. & Nel, A. (2013) Skleroptera, a new order of holometabolous insects (Insecta) from the Carboniferous. *Zoosystematica Rossica*, 22 (2), 247–257.
516. Azar, D. & Nel, A. (2013) A new beaded lacewing from a new Lower Cretaceous amber outcrop in Lebanon (Neuroptera: Berothidae). pp. 111–130. In: Azar, D., Engel, M.S., Jarzembowski, E., Krogmann, L., Nel, A. & Santiago-Blay, J. (Eds.). *Insect Evolution in an Amberiferous and Stone Alphabet*. Proceedings of the 6th International Congress on Fossil Insects, Arthropods and Amber. [https://doi.org/10.1163/9789004210714\\_009](https://doi.org/10.1163/9789004210714_009)
517. Azar, D., Engel, M.S., Jarzembowski, E., Krogmann, L., Nel, A. & Santiago-Blay, J. (2013) Selected papers from the 6th International Congress on Fossil Insects, Arthropods and Amber, Byblos, Lebanon, 14–18 April 2013. *Terrestrial Arthropod Reviews*, 6, 1–9. <https://doi.org/10.1163/18749836-06021070>
518. Azar, D., Nel, A. & Perkovsky, E. (2013) A new *Sycorax* species from Eocene Ukrainian Rovno Amber (Diptera: Psychodidae: Sycoracinae). pp. 27–46. In: Azar, D., Engel, M.S., Jarzembowski, E., Krogmann, L., Nel, A. & Santiago-Blay, J. (Eds.). *Insect Evolution in an Amberiferous and Stone Alphabet*. Proceedings of the 6th International Congress on Fossil Insects, Arthropods and Amber. [https://doi.org/10.1163/9789004210714\\_004](https://doi.org/10.1163/9789004210714_004)
519. Choufani, J., Perrichot, V., Girard, V., Garrouste, R., Azar, D. & Nel, A. (2013) Two new biting midges of the modern type from Santonian amber of France (Diptera: Ceratopogonidae). pp. 75–95. In: Azar, D., Engel, M.S., Jarzembowski, E., Krogmann, L., Nel, A. & Santiago-Blay, J. (Eds.). *Insect Evolution in an Amberiferous and Stone Alphabet*. Proceedings of the 6th International Congress on Fossil Insects, Arthropods and Amber. [https://doi.org/10.1163/9789004210714\\_007](https://doi.org/10.1163/9789004210714_007)
520. Coty, D., Salamé, Y., Nel, A. & Azar, D. (2013) A new psychodid fly from Mexican amber (Diptera: Psychodidae). pp. 13–25. In: Azar, D., Engel, M.S., Jarzembowski, E., Krogmann, L., Nel, A. & Santiago-Blay, J. (Eds.). *Insect Evolution in an Amberiferous and Stone Alphabet*. Proceedings of the 6th International Congress on Fossil Insects, Arthropods and Amber. [https://doi.org/10.1163/9789004210714\\_003](https://doi.org/10.1163/9789004210714_003)
- 2014:**
521. Cai, C.Y., Clarke, D., Huang, D.Y. & Nel, A. (2014) A new genus and species of Steninae from the Late Eocene of France (Coleoptera, Staphylinidae). *Alcheringa*, 38 (4), 557–562. <https://doi.org/10.1080/03115518.2014.924351>
522. Choufani J., Perrichot V., Azar D. & Nel A., (2014) New biting midges (Diptera: Ceratopogonidae) in Late Cretaceous Vendean amber. In: Perrichot V. (Ed.), Fossil arthropods in Late Cretaceous amber from Vendée, northwestern France. *Paleontological Contributions*, 10H, 34–40.
523. Correia P., Nel, A., Sá, A.A., Domingos, R., Carneiro, A. & Flores, D. (2014) A new Palaeodictyoptera from the Late Carboniferous of Portugal. *Annales de la Société Entomologique de France*, (N.S.), 49 (4), 398–401. <https://doi.org/10.1080/00379271.2014.893645>
524. Kirejtshuk, A.G., Poschmann, M., Prokop, J., Garrouste, R. & Nel, A. (2014) Evolution of the elytral venation and structural adaptations in the oldest Palaeozoic beetles (Insecta: Coleoptera: Tsherkardocoleidae). *Journal of Systematic Palaeontology*, 12 (5), 575–600. <https://doi.org/10.1080/14772019.2013.821530>
525. Myskowiak, J. & Nel, A. (2014) A new genus and species of ibis fly in the Lowermost Eocene amber of Oise (France) (Diptera: Athericidae). *Zootaxa*, 3869 (4), 372–382. <https://doi.org/10.11646/zootaxa.3869.4.2>
526. Nel, A. & Fleck, G. (2014) Dragonflies and damselflies (Insecta: Odonata) from the Late Eocene of the Isle of Wight. *Earth and Environmental Science, Transactions of the Royal Society of Edinburgh*, 104 (3–4), 283–306. <https://doi.org/10.1017/S175569101400005X>
527. Nel, A., De Ploëg, G. & Perrichot, V. (2014) The first ibis fly in mid-Cretaceous amber of France (Diptera: Athericidae). *Zootaxa*, 3768, 591–595. <https://doi.org/10.11646/zootaxa.3768.5.6>
528. Nel, A., Nel, P., Krieg-Jacquier, R., Pouillon, J.-M. & Garrouste, R. (2014) Exceptionally preserved insect fossils in the Late Jurassic lagoon of Orbagnoux (Rhône Valley, France). *PeerJ*, 2 (e510), 1–16. <https://doi.org/10.7717/peerj.510>
529. Nel, A., Prokop, J., Grandcolas, P., Garrouste, R., Lapeyrie, J., Legendre, F., Anisuyutkin, L.N. & Kirejtshuk, A.G. (2014) The beetle-like Palaeozoic and Mesozoic roachoids of the so-called “umenocoleoid” lineage (Dictyoptera: Ponopterixidae fam. nov.). *C. R. Palevol*, 13 (7), 545–554. <https://doi.org/10.1016/j.crpv.2014.05.002>
530. Nel, P., Nel, A., Azar, D., Retana Salazar, A. & Huang, D.Y. (2014) Redefining the Thripida (Insecta: Paraneoptera). *Journal of Systematic Palaeontology*, 12 (7): 865–878. <https://doi.org/10.1080/14772019.2013.841781>
531. Perrard, A., Nel, A. & Carpenter, J.M. (2014) A new paper wasp from Late Eocene of France (Hymenoptera: Vespidae: Polistinae). *Zootaxa*, 3753 (6), 542–548. <https://doi.org/10.11646/zootaxa.3753.6.2>
532. Prokop, J., Krzeminski, W., Krzeminska, E., Hörschemeyer, T., Ilger, J.-M., Brauckmann, C., Grandcolas, P. & Nel, A. (2014) Late Palaeozoic Paoliida is the sister group of Dictyoptera (Insecta: Neoptera). *Journal of Systematic Palaeontology*, 12 (5), 601–622. <https://doi.org/10.1080/14772019.2013.823468>
533. Prokop, J., Roques, P. & Nel, A. (2014) New non-holometabolous insects from Pennsylvanian of Avion locality in Pas-de-Calais, France (Insecta: ‘Exopterygota’). *Alcheringa: An Australasian Journal of Palaeontology*, 38 (2), 155–169. <https://doi.org/10.1080/03115518.2014.848620>
534. Wang, B., Rust, J., Engel, M.S., Szwedo, J., Dutta, S., Nel, A., Fan, Y., Meng, F.W., Shi, G.L., Jarzembowski, E.A., Wappler, T., Stebner, F., Fang, Y., Mao, L.M., Zheng, D.R. & Zhang, H.C. (2014) A diverse paleobiota in Early Eocene Fushun amber from China. *Current Biology*, 24 (14), 1610–1616. <https://doi.org/10.1016/j.cub.2014.05.048>
535. Wedmann, S., Pouillon, J.-M. & Nel, A. (2014) New Paleogene woodwasps or horntail wasps (Hymenoptera: Siricidae) and a discussion of their fossil record. *Zootaxa*, 3869 (1), 33–43. <https://doi.org/10.11646/zootaxa.3869.1.3>
536. Wappler, T., Grímsson, F., Wang, B., Nel, A., Ólafsson, E., Kotov, A.A., Davis, S.R. & Engel, M.S. (2014) Before the ‘Big Chill’: A preliminary overview of arthropods from the middle Miocene of Iceland (Insecta, Crustacea). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 401, 1–12. <https://doi.org/10.1016/j.palaeo.2014.03.006>
537. Dehon, M., Michez, D., Nel, A., Engel, M.S. & De Meulemeester, T. (2014) Wing shape of four new bee fossils (Hymenoptera: Anthophila) provides insights to bee evolution. *PLOS ONE*, 9 (10) (e108865), 1–16. <https://doi.org/10.1371/journal.pone.0108865>
538. Soriano, C., Pollock, D., Néraudeau, D., Nel, A. & Tafforeau, P. (2014) First fossil record of polypore fungus beetles from Lower Cretaceous amber of France. *Acta Palaeontologica Polonica*, 59 (4), 941–946. <https://doi.org/10.4202/app.2012.0074>
539. Schmidt, A.R., Beimforde, C., Seyfullah, L.J., Wege, S.-E., Dörfelt, H., Girard, V., Grabenhorst, H., Gube, M., Heinrichs, J., Nel, A., Nel, P., Perrichot, V., Reitner, J. & Rikkinen, J. (2014) Amber fossils of sooty moulds. *Review of Palaeobotany and Palynology*, 200 (1), 53–64. <https://doi.org/10.1016/j.revpalbo.2013.07.002>
540. Fernandes, F.R., Prokop, J. & Nel, A. (2014) Discovery of the genus *Crinoedischia* in the Middle Permian of France (Insecta: Orthoptera). *Annales de la Société Entomologique de France*, (N.S.), 50 (3–4), 260–263. <https://doi.org/10.1080/00379271.2014.981420>
541. Azar, D., Perrichot, V. & Nel, A. (2014) Diverse barklice (Psocodea) from Late Cretaceous Vendean amber. *Paleontological Contributions*, 10C, 9–15.
542. Perrichot, V., Engel, M.S., Nel, A., Ortega-Blanco, J., Delclos, X., Soriano, C., Lohrmann, V. & Tafforeau, P. (2014) “False ants” from the Cretaceous (Hymenoptera: Chrysoidea: Falsiformicidae). *Mitteilungen des Entomologischen Vereins Stuttgart*, 49 (1), 26.
- 2015:**
543. Nel, A., Fleck, G., Garcia, G., Gomez, B., Ferchaud, P. & Valentin, X. (2015) New dragonflies from the lower Cenomanian of France enlighten the timing of the odonatan turnover at the Early - Late Cretaceous boundary. *Cretaceous Research*, 52, 108–117. <https://doi.org/10.1016/j.cretres.2014.08.005>
544. Azar, D., Huang, D.Y., Cai, C.Y. & Nel, A. (2015) The first trichomyiine from Burmese Cretaceous amber (Diptera, Psychodidae, Trichomyiinae). *Cretaceous Research*, 53, 48–58. <https://doi.org/10.1016/j.cretres.2014.10.011>
545. Huang, D.Y., Wegierek, P., Zyla, D. & Nel, A. (2015) The oldest aphid of the family Oviparosiphidae (Hemiptera: Aphidoidea) from the Middle Jurassic of China. *European Journal of Entomology*, 112 (1), 187–192. <https://doi.org/10.14411/eje.2015.013>
546. Myskowiak, J., Escuillié, F. & Nel, A. (2015) A new Osmylidae (Insecta, Neuroptera) from the Lower Cretaceous Crato Formation in Brazil. *Cretaceous Research*, 54, 27–33. <https://doi.org/10.1016/j.cretres.2014.11.012>
547. Myskowiak, J., Pouillon, J.M. & Nel, A. (2015) Oldest record of the grylloblattodean family Euryptilonidae in the Late Carboniferous of France. *C. R. Palevol*, 14 (1), 1–4. <https://doi.org/10.1016/j.crpv.2014.08.002>
548. Choufani, J., El-Halabi, W., Azar, D. & Nel, A. (2015) First fossil insect from Lower Cretaceous Lebanese amber in Syria (Diptera: Ceratopogonidae). *Cretaceous Research*, 54, 106–116. <https://doi.org/10.1016/j.cretres.2014.12.006>
549. Nel, A., Garrouste, R. & Prokop, J. (2015) The first African Anthracoptilidae (Insecta: Paoliida) near the Permian–Triassic boundary in Kenya. *Zootaxa*, 3925 (1), 145–150. <https://doi.org/10.11646/zootaxa.3925.1.10>



550. Azar, D., Huang, D.Y., Cai, C.Y. & Nel, A. (2015) The earliest records of pachytrictid booklice from Lebanese and Burmese Cretaceous ambers (Psocodea, Troctomorpha, Nanopsocetae, Pachytrictidae). *Cretaceous Research*, 52, 336–347. <https://doi.org/10.1016/j.cretres.2014.04.005>
551. Prokop, J., Szvedo, J., Lapeyrie, J., Garrouste, R. & Nel, A. (2015) New middle Permian insects from Salagou Formation of the Lodève Basin in southern France (Insecta: Pterygota). *Annales de la Société Entomologique de France*, (N.S.), 51 (1), 14–51. <https://doi.org/10.1080/00379271.2015.1054645>
552. Prokop, J., Fernandes, F.R., Lapeyrie, J. & Nel, A. (2015) Discovery of the first lacewings (Neuroptera: Permithonidae) from the Guadalupian of Lodève Basin (Southern France). *Geobios*, 48 (3), 263–270. <https://doi.org/10.1016/j.geobios.2015.03.001>
553. Nel, A. & Huang, D.Y. (2015) A new family of ‘libelluloid’ dragonfly from the Middle Jurassic Daohugou in northeastern of China (Odonata: Anisoptera: Cavilabiata). *Alcheringa*, 39 (4), 525–529. <https://doi.org/10.1080/03115518.2015.1050316>
554. Huang, D.Y., Azar, D., Cai, C.Y. & Nel, A. (2015) New damselfly genera in the Cretaceous Burmese amber attributable to the Platystictidae and Platycnemididae Disparoneurinae (Odonata: Platycnemididae). *Cretaceous Research*, 56, 237–233. <https://doi.org/10.1016/j.cretres.2015.05.004>
555. Huang, D.Y., Azar, D., Cai, C.Y., Garrouste, R. & Nel, A. (2015) The first Mesozoic pleasing lacewing (Neuroptera: Dilaridae). *Cretaceous Research*, 56, 274–277. <https://doi.org/10.1016/j.cretres.2015.06.001>
556. Legendre, F., Nel, A., Svenson, G.J., Robillard, T., Pellens, R. & Grandcolas, P. (2015) Phylogeny of Dictyoptera: dating the origin of cockroaches, praying mantises and termites with molecular data and controlled fossil evidence. *PLoS ONE*, 10 (7) (e0130127), 27 pp. <https://doi.org/10.1371/journal.pone.0130127>
557. Engel, M.S. & Nel, A. (2015) A new fossil drywood termite species from the Late Eocene of France allied to *Cryptotermes* and *Procryptotermes* (Isoptera: Kalotermitidae). *Novitates Paleontologicae*, 11, 1–7. <https://doi.org/10.17161/np.v0i11.4953>
558. Engel, M.S., Huang, D.Y., Azar, D., Nel, A., Davis, S.R., Alvarado, M., & Breitkreuz, L.C.V. (2015) The wasp family Spathiopterygidae in mid-Cretaceous amber from Myanmar (Hymenoptera: Diaprioidae). *C. R. Palevol*, 14 (2), 95–100. <https://doi.org/10.1016/j.crpv.2014.11.002>
559. Nel, A. & Huang, D.Y. (2015) A new genus and species of damsel-dragonfly (Odonata: Stenophlebiidae) from the Lower Cretaceous of Inner Mongolia, China. *Cretaceous Research*, 56, 421–425. <https://doi.org/10.1016/j.cretres.2015.06.008>
560. Kirejtshuk, A.G., Legalov, A.A. & Nel, A. (2015) A new genus of the subfamily Apioninae (Coleoptera: Apionidae) from the Lower Eocene Oise amber. *Paleontological Journal*, 49 (13), 1436–1441. <https://doi.org/10.1134/S0013030115130055>
561. Garrouste, R. & Nel, A. (2015) New Eocene damselflies and first Cenozoic damsel-dragonfly of the isophlebiopteran lineage (Insecta: Odonata). *Zootaxa*, 4028 (3), 354–366. <https://doi.org/10.11646/zootaxa.4028.3.2>
562. Zeiri, A., Nel, A. & Garrouste, R. (2015) A new libelluloid family from the Eocene Green River Formation (Colorado, USA) (Odonata, Anisoptera). *Zootaxa*, 4032 (3), 290–296. <https://doi.org/10.11646/zootaxa.4032.3.4>
563. Kirejtshuk, A.G., Kurbatov, S.A. & Nel, A. (2015) A new species of the genus *Clidicus* from the Lower Cretaceous of France (Coleoptera: Staphylinidae: Scydmaeninae). *Proceedings of the Zoological Institute of the Russian Academy of Sciences*, 319 (4), 508–514.
- 2016:**
564. Sánchez-García, A., Arillo, A. & Nel, A. (2016) The first water measurers from the Lower Cretaceous amber of Spain (Heteroptera, Hydrometridae, Heterocleptinae). *Cretaceous Research*, 57, 111–121. <https://doi.org/10.1016/j.cretres.2015.07.010>
565. Myskowiak, J., Huang, D.Y., Azar, D., Cai, C.Y., Garrouste, R. & Nel, A. (2016) New lacewings (Insecta, Neuroptera, Osmyliidae, Nymphidae) from the Lower Cretaceous Burmese amber and Crato Formation in Brazil. *Cretaceous Research*, 59, 214–227. <https://doi.org/10.1016/j.cretres.2015.10.029>
566. Guan, Z.Y., Prokop, J., Roques, P., Lapeyrie, J. & Nel, A. (2016) Revision of the enigmatic family Anthracoptilidae enlightens the evolution of Palaeozoic stem-dictyopterans. *Acta Palaeontologica Polonica*, 61 (1), 71–87. <https://doi.org/10.4202/app.00051.2014>
567. Myskowiak, J., Azar, D. & Nel, A. (2016) The first fossil hilarimorphid fly (Diptera: Brachycera). *Gondwana Research*, 35, 192–197. <https://doi.org/10.1016/j.gr.2015.05.003>
568. Ross, A.J., Coutiño José, M.A. & Nel, A. (2016) The first records of coenagrionid damselflies (Odonata: Zygoptera: Coenagrionidae: *Neorhythromia* sp. and *Nehalennia* sp.) from Mexican amber (Miocene) *Boletín de la Sociedad Geológica Mexicana*, 68 (1), 81–86. <https://doi.org/10.18268/BSGM2016v68n1a9>
569. Angelini, P.A., Azar, D. & Nel, A. (2016) A new genus and species of snipe fly (Diptera: Rhagionidae) in Lebanese Cretaceous amber. *Cretaceous Research*, 58, 1–16. <https://doi.org/10.1016/j.cretres.2015.09.018>
570. Delclòs, X., Peñalver, E., Arillo, A., Engel, M.S., Nel, A., Azar, D. & Ross, A. (2016) New mantises (Insecta: Mantodea) in Cretaceous ambers from Lebanon, Spain, and Myanmar. *Cretaceous Research*, 60, 91–108. <https://doi.org/10.1016/j.cretres.2015.11.001>
571. Prokop, J., Nel, A., Engel, M.S., Pecharová, M. & Hörschemeyer, T. (2016) New Carboniferous fossils of Spilapteridae enlighten postembryonic wing development in Palaeodictyoptera. *Systematic Entomology*, 41, 178–190. <https://doi.org/10.1111/syen.12148>
572. Zheng, D.R., Nel, A., Wang, B., Jarzembowski, E.A., Chang, S.C. & Zhang, H.C. (2016) The discovery of the hindwing of the Early Cretaceous dragonfly *Sinaktassia tangi* Lin, Nel & Huang, 2010 (Odonata, Aktassiidae) in northeastern China. *Cretaceous Research*, 61, 86–90. <https://doi.org/10.1016/j.cretres.2015.12.015>
573. Chintauan-Marquier, I.C., Legendre, F., Hugel, S., Robillard, T., Grandcolas, P., Nel, A., Zuccon, D. & Desutter-Grandcolas, L. (2016) Laying the foundations of evolutionary and systematic studies in crickets (Insecta, Orthoptera): a multilocus phylogenetic analysis. *Cladistics*, 32, 54–81. <https://doi.org/10.1111/cla.12114>
574. Zheng, D.R., Nel, A., Wang, B., Jarzembowski, E.A., Chang, S.C. & Zhang, H.C. (2016) The first Early Cretaceous damsel-dragonfly (Odonata: Stenophlebiidae: *Stenophlebia*) from western Liaoning, China. *Cretaceous Research*, 61, 124–128. <https://doi.org/10.1016/j.cretres.2016.01.003>
575. Garrouste, R., Azar, D. & Nel, A. (2016) The oldest accurate record of Scenopinidae in the Lowermost Eocene amber of France (Diptera: Brachycera). *Zootaxa*, 4093, 444–450. <https://doi.org/10.11646/zootaxa.4093.3.10>
576. Huang, D.Y., Azar, D., Engel, M.S., Garrouste, R., Cai, C.Y. & Nel, A. (2016) The first araripeneurine antlion in Burmese amber (Neuroptera: Myrmeleontidae). *Cretaceous Research*, 63, 1–6. <https://doi.org/10.1016/j.cretres.2016.02.010>
577. Huang, D.Y., Azar, D., Engel, M.S., Cai, C.Y., Garrouste, R. & Nel, A. (2016) A new genus of alderflies (Megaloptera: Sialidae) in Upper Cretaceous Burmese amber. *Cretaceous Research*, 64, 7–11. <https://doi.org/10.1016/j.cretres.2016.03.012>
578. Huang, D.Y., Bechly, G., Nel, P., Engel, M.S., Prokop, J., Azar, D., Cai, C.Y., van de Kamp, T., Staniczek, A.H., Garrouste, R., Krogmann, L., dos Santos Rolo, T., Baumbach, T., Ohlhoff, R., Shmakov, A.S., Bourgoin, T. & Nel, A. (2016) New fossil insect order Permopsocida elucidates major radiation and evolution of suction feeding in hemimetabolous insects (Hexapoda: Acercaria). *Scientific Reports*, 6 (23004), 1–9. <https://doi.org/10.1038/srep23004>
579. Myskowiak, J., Garrouste, R. & Nel, A. (2016) A new genus and species of micro bee fly from the Earliest Eocene French amber (Diptera: Mythicomyiidae: Psiloderoidinae). *Zootaxa*, 4114 (5), 583–586. <https://doi.org/10.11646/zootaxa.4114.5.5>
580. Zheng, D.R., Wang, B., Jarzembowski, E.A., Chang, S.C. & Nel, A. (2016) The first fossil Perilestidae (Odonata: Zygoptera) from mid-Cretaceous Burmese amber. *Cretaceous Research*, 65, 199–205. <https://doi.org/10.1016/j.cretres.2016.05.002>
581. Prokop, J., Pecharová, M. & Nel, A. (2016) New Cenozoic dragonflies from the Most Basin and Středoohří Complex volcanic area (Czech Republic, Germany). *Journal of Natural History*, 50 (37–38), 2311–2326. <https://doi.org/10.1080/00222933.2016.1193648>
582. Garrouste, R., Pouillon, J.-M. & Nel, A. (2016) The first Cenozoic protoniid wasp from the Paleocene of Menat, France (Hymenoptera: Proctotrupoidea). *European Journal of Taxonomy*, 239, 1–9. <https://doi.org/10.5852/ejt.2016.239>
583. Zhang, Q.Q., Nel, A., Azar, D. & Wang, B. (2016) New Chinese psocids from Eocene Fushun amber (Insecta: Psocodea). *Alcheringa: An Australasian Journal of Palaeontology*, 40 (3), 366–372. <https://doi.org/10.1080/03115518.2016.1144952>
584. Prokop, J., Garrouste, R. & Nel, A. (2016) A new permopsocidan genus and species from the Late Permian of Australia (Insecta: Acercaria: Psocidiidae). *Zootaxa*, 4147 (5), 589–592. <https://doi.org/10.11646/zootaxa.4147.5.7>
585. Nel, A. & Coty, D. (2016) A fossil dung midge in Mexican amber (Diptera: Scatopsidae). *Palaeontologia Electronica*, 19.2.22A, 1–6. <https://doi.org/10.26879/633>
586. Zheng, D.R., Wang, B., Jarzembowski, E.A., Chang, S.C. & Nel, A. (2016) Burmadsagroninae, a new subfamily (Odonata: Zygoptera: Dysagrionidae) from mid-Cretaceous Burmese amber. *Cretaceous Research*, 67, 126–132. <https://doi.org/10.1016/j.cretres.2016.07.006>
587. Kirejtshuk, A.G. & Nel, A. (2016) Lidryopinae, new byrrhid subfamily from the Lower Cretaceous of France (Coleoptera, Byrrhidae). *Cretaceous Research*, 67, 140–147. <https://doi.org/10.1016/j.cretres.2016.07.007>
588. Zheng, D.R., Nel, A., Wang, B., Jarzembowski, E.A., Chang, S.C. & Zhang, H.C. (2016) A new damsel-dragonfly from the Lower Jurassic of northwestern China and its paleobiogeographic significance. *Journal of Paleontology*, 90 (3), 485–490.

- <https://doi.org/10.1017/jpa.2016.59>
589. Nel, A., Simov, N., Bozukov, V. & Marinov, M. (2016) New dragonflies & damselflies from Middle Miocene deposits in SW Bulgaria (Insecta: Odonata). *Palaeontologia Electronica*, 19.3.35A, 1–13. <https://doi.org/10.26879/642>
590. Hartung, V., Garrouste, R., Pouillon, J.M. & Nel, A. (2016) First fossil of Cylindrostethinae (Heteroptera: Gerromorpha: Gerridae) in the Paleocene of Menat, France. *Palaeontologia Electronica*, 19.3.33A, 1–10. <https://doi.org/10.26879/638>
591. Nel, A., Garrouste, R. & Daugeon, C. (2016) Two new long-legged flies in the Santonian amber of France (Diptera: Dolichopodidae). *Cretaceous Research*, 69, 1–5. <https://doi.org/10.1016/j.cretres.2016.08.009>
592. Kirejtshuk, A.G., Nel, A. & Kirejtshuk, P.A. (2016) Taxonomy of the reticulate beetles of the subfamily Cupedinae (Coleoptera: Archostemata), with a review of the historical development. *Invertebrate Zoology*, 13 (2), 61–190. <https://doi.org/10.15298/invertzool.13.2.01>
593. Nel, A., Perreau, Z. & Doitteau, G. (2016) The oldest representative of the modern snipe fly genus *Symphoromyia* (Diptera: Rhagionidae). *Zootaxa*, 4196 (1), 144–150. <https://doi.org/10.11646/zootaxa.4196.1.9>
594. Krogmann, L., Azar, D., Rajaei, H. & Nel, A. (2016) *Myaropsis baabdaensis* sp. n. from Lower Cretaceous Lebanese amber—the earliest spathiopterygid wasp and the first female known for the family. *C. R. Palevol*, 15 (5), 483–487. <https://doi.org/10.1016/j.crpv.2015.11.002>
595. Garrouste, R., Hugel, S., Jacquelin, L., Rostan, P., Steyer, J.-S., Desutter-Grandcolas, L. & Nel, A. (2016) Insect mimicry of plants dates back to the Permian. *Nature Communications*, 7 (13735), 1–6. <https://doi.org/10.1038/ncomms13735>
596. Kirejtshuk, A.G. & Nel, A. (2016) Origin of the Coleoptera and significance of the fossil record. *Euroasian Entomological Journal*, 15 (1), 66–73.
- 2017:**
597. Garrouste, R., Wedmann, S., Pouillon, J.-M. & Nel, A. (2017) The oldest ‘amphipterygid’ damselfly of tropical affinities in the Paleocene of Menat (Zygoptera: Eucaloptera). *Historical Biology*, 29 (6), 818–821. <https://doi.org/10.1080/08912963.2016.1247448>
598. Zheng, D.R., Zhang, Q.Q., Nel, A., Jarzembowski, E.A., Zhou Z., Chang, S.C. & Wang, B. (2017) New damselflies (Odonata: Zygoptera: Hemiphlebiidae, Dysagrionidae) from mid-Cretaceous Burmese amber. *Alcheringa*, 41 (1), 12–21. <https://doi.org/10.1080/03115518.2016.1164402>
599. Zheng, D.R., Nel, A., Wang, B., Jarzembowski, E.A., Chang, S.C. & Zhang, H.C. (2017) The first Triassic ‘Protodonatan’ (Zygophlebiidae) from China: stratigraphical implications. *Geological Magazine*, 154 (1), 169–174. <https://doi.org/10.1017/S0016756816000625>
600. Azar, D., Hakim, M., Huang, D.Y., Cai, C.Y. & Nel, A. (2017) New fossil booklice from the Cretaceous amber of Myanmar (Psocoda: Troctomorpha: Amphientometae: Manicapsocidae). *Cretaceous Research*, 70, 8–14. <https://doi.org/10.1016/j.cretres.2016.09.013>
601. Prokop, J., Pecharová, M., Nel, A., Hörschemeyer, T., Krzeminska, E., Krzeminski, W. & Engel, M.S. (2017) Paleozoic nymphal wing pads support dual model of insect wing origins. *Current Biology*, 27, 1–7. <https://doi.org/10.1016/j.cub.2016.11.021>
602. Skartveit, J. & Nel, A. (2017) Revision of fossil Bibionidae (Insecta: Diptera) from French Oligocene deposits. *Zootaxa*, 4225 (1), 1–83. <https://doi.org/10.11646/zootaxa.4225.1.1>
603. Bramuzzo, S. & Nel, A. (2017) Youngest representative of the extinct genus *Microphorites* in the Eocene amber of France (Diptera: Dolichopodidae). *Zootaxa*, 4231 (4), 590–594. <https://doi.org/10.11646/zootaxa.4231.4.11>
604. Huang, D.Y., Azar, D., Cai, C.Y., Maksoud, S., Nel, A. & Bechly, G. (2017) Mesomegaloprepidae, a remarkable new damselfly family (Odonata: Zygoptera) from mid-Cretaceous Burmese amber. *Cretaceous Research*, 73, 1–13. <https://doi.org/10.1016/j.cretres.2017.01.003>
605. Pinkert, S., Nel, A. & Huang, D.Y. (2017) A new hawker dragonfly from the Middle Jurassic of China (Odonata: Aeshnoptera). *C. R. Palevol*, 16, 378–381. <https://doi.org/10.1016/j.crpv.2017.01.006>
606. Prokop, J., Pecharová, M., Nel, A., Grey, M. & Hörschemeyer, T. (2017) A remarkable insect from the Pennsylvanian of the Joggins Formation in Nova Scotia, Canada: insights into unusual venation of Brodiidae & nymphs of Megasecoptera. *Journal of Systematic Palaeontology*, 15 (12), 1051–1065. <https://doi.org/10.1080/14772019.2017.1283364>
607. Nel, A. & Weis, R. (2017) A new Early Jurassic damselfly from the Grand-duchy of Luxembourg (Odonata: Campterothlebiidae). *Alcheringa*, 41 (3), 378–382. <https://doi.org/10.1080/03115518.2017.1289417>
608. Zheng, D.R., Nel, A., Jarzembowski, E.A., Chang, S.C., Zhang, H.C., Xia, F.Y., Liu, H.Y. & Wang, B. (2017) Extreme adaptations for probable visual courtship behaviour in a Cretaceous dancing damselfly. *Scientific Reports*, 7 (44932), 1–8. <https://doi.org/10.1038/srep44932>
609. Azar, D., Huang, D.Y., El-Hajj, L., Cai, C.Y., Nel, A. & Maksoud, S. (2017) New Prionoglarididae from Burmese amber (Psocoda: Trogiomorpha: Prionoglaridetae). *Cretaceous Research*, 75: 146–156. <https://doi.org/10.1016/j.cretres.2017.03.028>
610. Zheng, D.R., Nel, A., Wang, H., Wang, B., Jarzembowski, E.A., Chang, S.C. & Zhang, H.C. (2017) The first Late Triassic Chinese triadophlebiomorphan (Insecta: Odonatoptera): biogeographic implications. *Scientific Reports*, 7 (1476), 1–7. <https://doi.org/10.1038/s41598-017-01710-7>
611. Pinkert, S., Bechly, G. & Nel, A. (2017) First record of hawker dragonflies from Eocene Baltic amber (Odonata: Anisoptera: Gomphaeschnidae). *Zootaxa*, 4272 (2), 263–275. <https://doi.org/10.11646/zootaxa.4272.2.7>
612. Huang, D.Y. & Nel, A. (2017) New fossil damsel-dragonfly clarifies the phylogenetic position of the small Jurassic family Juraheterophlebiidae (Odonata: Epiproctophora). *Alcheringa: An Australasian Journal of Palaeontology*, 41, 536–542. <https://doi.org/10.1080/03115518.2017.1329937>
613. Hartung, V., Garrouste, R. & Nel, A. (2017) The first fossil Dipsocoridae found in the early Eocene amber of France (Hemiptera: Heteroptera). *C. R. Palevol*, 16, 715–720. <https://doi.org/10.1016/j.crpv.2017.05.008>
614. Dehon, M., Perrard, A., Engel, M.S., Nel, A. & Michez, D. (2017) Antiquity of cleptoparasitism among bees revealed by morphometric and phylogenetic analysis of a Paleocene fossil nomadine (Hymenoptera: Apidae). *Systematic Entomology*, 42, 543–554. <https://doi.org/10.1111/syen.12230>
615. Zheng, D.R., Chang, S.C., Nel, A., Jarzembowski, E.A., Zhuo, D. & Wang, B. (2017) *Electrodysagrion lini* gen. et sp. nov., the oldest Dysagrionini (Odonata: Zygoptera: Dysagrionidae) from mid-Cretaceous Burmese amber. *Cretaceous Research*, 77, 44–48. <https://doi.org/10.1016/j.cretres.2017.05.008>
616. Huang, D.Y., Cai, C.Y., Nel, A. & Bechly, G. (2017) A new dragonfly family from the mid Cretaceous Burmese amber (Odonata: Aeshnoptera: Burmaeschnidae). *Cretaceous Research*, 78, 8–12. <https://doi.org/10.1016/j.cretres.2017.05.025>
617. Huang, D.Y., Nel, A. & Cai, C.Y. (2017) An enigmatic hawker dragonfly from the Middle Jurassic of China (Odonata, Aeshnoptera). *PalZ*, 91 (3), 459–462. <https://doi.org/10.1007/s12542-017-0364-6>
618. Huang, D.Y., Nel, A. & Cai, C.Y. (2017) A new Burmese amber hawker dragonfly helps to redefine the position of the aeshnopteran family Burmaeschnidae (Odonata: Anisoptera: Aeshnoidea). *Cretaceous Research*, 79, 153–158. <https://doi.org/10.1016/j.cretres.2017.07.020>
619. Engel, M.S. & Nel, A. (2017) A replacement family-group name among fossil Neuroptera (Insecta). *Novitates Paleontologicae*, 19, 1–3. <https://doi.org/10.17161/np.v0i19.6527>
620. Nel, A., Gross, M. & Engel, M.S. (2017) First fossil occurrence of the jewel damselflies (Odonata: Chlorocyphidae): a new species from the Late Miocene of Styria, Austria. *Annales de la Société entomologique de France, (N.S.)*, 53 (4), 280–285. <https://doi.org/10.1080/00379271.2017.1342559>
621. Nattier, R., Pellens, R., Robillard, T., Jourdan, H., Legendre, F., Caesar, M., Nel, A. & Grandcolas, P. (2017) Updating the phylogenetic dating of New Caledonian biodiversity with a meta-analysis of the available evidence. *Scientific Reports*, 7 (3705), 1–9. <https://doi.org/10.1038/s41598-017-02964-x>
622. Nel, A., Frese, M., Mclean, G., Beattie, R. & May (2017) A forewing of the Jurassic dragonfly *Austroprotolindenia jurassica* from the Talbragar Fish Bed, New South Wales, Australia. *Alcheringa*, 41, 532–535. <https://doi.org/10.1080/03115518.2017.1321686>
623. Kunzmann, L., Müller, C., Morawek, K., Bräutigam, D., Wappler, T. & Nel, A. (2017) First record of insects in lignite-bearing formations (Upper Eocene) of the central German Leipzig Embayment. *PalZ*, 91, 315–326. <https://doi.org/10.1007/s12542-017-0367-3>
624. Desutter-Grandcolas, L., Jacquelin, L., Hugel, S., Boistel, R., Garrouste, R., Henrotay, M., Warren, B.H., Chintauan-Marquier, I.C., Nel, P., Grandcolas, P. & Nel, A. (2017) 3-D imaging reveals four extraordinary cases of convergent evolution of acoustic communication in crickets and allies (Insecta). *Scientific Reports*, 7(1) (7099), 1–8. <https://doi.org/10.1038/s41598-017-06840-6>
625. Sánchez-García, A., Nel, A., Arillo, A. & Solórzano Kraemer, M.M. (2017) The semi-aquatic pondweed bugs of a Cretaceous swamp. *PeerJ*, 5 (e3760), 1–32. <https://doi.org/10.7717/peerj.3760>
626. Prokop, J., Pecharová, M., Garrouste, R., Beattie, R., Chintauan-Marquier, I.C. & Nel, A. (2017) Redefining the extinct orders Miomoptera and Hypoperlida as stem acercarian insects. *BMC Evolutionary Biology*, 17 (205), 1–20. <https://doi.org/10.1186/s12862-017-1039-3>
627. Sroka, P. & Nel, A. (2017) New species of Compsoecidae (Insecta, Psocoda) from Cretaceous Burmese amber. *Zootaxa*, 4320 (3), 597–600.



- https://doi.org/10.11646/zootaxa.4320.3.12
628. Bramuzzo, S., Coty, D. & Nel, A. (2017) A new species of *Ferneiella* from the Eocene French amber (Diptera: Scatopsidae). *Zootaxa*, 4350 (1), 177–184.  
https://doi.org/10.11646/zootaxa.4350.1.11
629. Van Eldijk, T.J.B., Goris, G., Haarhuis, A., Lankamp, J., Winkelhorst, H., Reumer, J., Nel, A. & Wappler, T. (2017) New fossil insects from the Anisian (Lower to Middle Muschelkalk) from the Central European Basin (Germany and The Netherlands). *PalZ*, 91, 185–194.  
https://doi.org/10.1007/s12542-017-0343-y
630. Beaury, B., Krogmann, L. & Nel, A. (2017) The first fossil insect from the deep-water marine Early Miocene of Zillerleite, Germany (Diptera: Bibionidae). *Palaeontologia Electronica*, 20.3.61A, 1–5.  
https://doi.org/10.26879/827
631. Schatz, B., Sauvion, N., Kjellberg, F. & Nel, A. (2017) Plant - insect interactions: a palaeontological and an evolutionary perspective. *Advances in Botanical Research*, 81, 1–24.  
https://doi.org/10.1016/bs.abr.2016.11.002
- 2018:**
632. Zheng, D.R., Nel, A., Chang, S.C., Jarzembowski, E.A., Zhuo, D. & Wang, B. (2018) Paracoryphagrionidae fam. nov., a pseudostigmatoid damselfly from mid-Cretaceous Burmese amber showing regular series of triangular cells (Odonata: Zygoptera: Coenagrionida). *Cretaceous Research*, 81, 93–97.  
https://doi.org/10.1016/j.cretres.2017.10.005
633. Garrouste, R., Lapeyrie, J., Steyer, J.-S., Giner, S. & Nel, A. (2018) Insects in the Red Middle Permian of Southern France: first Protanisoptera (Odonatoptera) and new Caloneuroidea (Panorthoptera), with biostratigraphical implications. *Historical Biology*, 30 (4), 546–553.  
https://doi.org/10.1080/08912963.2017.1301448
634. Wedmann, S., Uhl, D., Lehman, T., Garrouste, R., Nel, A., Gomez, B., Smith, K. & Schaal, S.F.K. (2018) The Konservat-Lagerstätte Menat (Paleocene; France) – an overview and new insights. *Geologica Acta*, 16 (2), 1–31.
635. Zheng, D.R., Nel, A., Chang, S.C., Jarzembowski, E.A., Zhang, H.C. & Wang, B. (2018) A well-preserved true dragonfly (Anisoptera: Gomphidae: Burmagomphidae fam. nov.) from Cretaceous Burmese amber. *Journal of Systematic Palaeontology*, 16 (10), 881–889.  
https://doi.org/10.1080/14772019.2017.1365100
636. Gaudant, J., Nel, A., Nury, D., Véran, M. & Carnevale, G. (2018) The uppermost Oligocene of Aix-en-Provence (Bouches-du-Rhône, Southern France): a Cenozoic brackish subtropical Konservat-Lagerstätte, with fishes, insects and plant. *C. R. Palevol*, 17 (7), 460–478.  
https://doi.org/10.1016/j.crpv.2017.08.002
637. Zheng, D.R., Nel, A., Jarzembowski, E.A., Chang, S.C., Zhou, Z.C. & Wang, B. (2018) The second mesomegaloprepid damselfly (Odonata: Zygoptera) from mid-Cretaceous Burmese amber. *Cretaceous Research*, 90, 131–135.  
https://doi.org/10.1016/j.cretres.2018.04.018
638. Huang, D.Y., Azar, D. & Nel, A. (2018) The oldest ‘Megapodagrionidae’ (Odonata, Zygoptera) discovered in the Lower Cretaceous Yixian Formation, China. *Cretaceous Research*, 84, 426–430.  
https://doi.org/10.1016/j.cretres.2017.12.003
639. Jacquelin, L., Desutter-Grandcolas, L., Chintauan-Marquier, I., Boistel, R., Zheng, D., Prokop, J. & Nel, A. (2018) New insights on basiventral sclerites using 3D tools and homology of wing veins in Odonatoptera (Insecta). *Scientific Reports*, 8 (238), 1–7.  
https://doi.org/10.1038/s41598-017-18615-0
640. Myskowiak, J., Garrouste, R. & Nel, A. (2018) *Eodromyia pumilio* gen. et sp. nov., a new epeidoid fly from the Earliest Eocene amber of France (Diptera: Hybotidae: Tachydromiinae). *Zootaxa*, 4379 (2), 279–286.  
https://doi.org/10.11646/zootaxa.4379.2.8
641. Nel, P., Bertrand, S. & Nel, A. (2018) Diversification of insects since the Devonian: a new approach based on morphological disparity of mouthparts. *Scientific Reports*, 8 (3516), 1–45.  
https://doi.org/10.1038/s41598-018-21938-1
642. Kelly, R.S. & Nel, A. (2018) Revision of the damsel-dragonfly family Campteroptelebiidae (Odonata) from the Early Jurassic of England reveals a new genus and species. *Alcheringa: An Australasian Journal of Palaeontology*, 42 (1), 87–93.  
https://doi.org/10.1080/03115518.2017.1377767
643. Kirejtshuk, A. & Nel, A. (2018) Nitidulidae (Coleoptera) from the Paleocene of Menat (France). *Zootaxa*, 4402 (1), 1–41.  
https://doi.org/10.11646/zootaxa.4402.1.1
644. Zheng, D.R., Nel, A., Chang, S.C., Wang, B. & Zhang, H.C. (2018) A new progobiaeshnid dragonfly (Odonata, Aeshnoptera) from the Lower Cretaceous of Liaoning Province, NE China. *Cretaceous Research*, 90, 1–6.  
https://doi.org/10.1016/j.cretres.2018.03.008
645. Azar, D., Maksoud, S., Nammour, C., Nel, A. & Wang, B. (2018) A new trogiid genus from lower Eocene Fushun amber (Insecta: Psocoda: Trogiomorpha). *Geobios*, 51, 101–106.  
https://doi.org/10.1016/j.geobios.2018.02.002
646. Prokop, J., Pecharová, M., Nel, A. & Ornschmeyer, T. (2018) The wing base of the palaeodictyopteran genus *Dunbaria* Tillyard: where are we now? *Arthropod Structure & Development*, 47 (4), 339–351.  
https://doi.org/10.1016/j.asd.2018.04.002
647. Huang, D.Y., Cai, C.Y. & Nel, A. (2018) New damsel-dragonflies with “calopterygid”-like wing shape from the Middle Jurassic of China (Odonata: Isophlebioidea: Campteroptelebiidae). *Geobios*, 51 (3), 181–186.  
https://doi.org/10.1016/j.geobios.2018.04.003
648. Zheng, D.R., Nel, A., Jarzembowski, E.A., Chang, S.C., Zhang, H.C. & Wang, B. (2018) Exceptionally well-preserved dragonflies (Insecta: Odonata) in Mexican amber. *Alcheringa*, 43 (1), 157–164.  
https://doi.org/10.1080/03115518.2018.1456562
649. Nidergas, V., Hadrava, J., Garrouste, R., Prokop, J., Schubnel, T. & Nel, A. (2018) The first pipizine hoverfly genus and species from the Oligocene of France (Diptera: Syrphidae). *Acta Palaeontologica Polonica*, 63 (3), 539–548.  
https://doi.org/10.4202/app.00500.2018
650. Nel, A., Prokop, J., Pecharová, M., Engel, M.S. & Garrouste, R. (2018) Palaeozoic giant dragonflies were hawkier predators. *Scientific Reports*, 8 (12141), 1–5.  
https://doi.org/10.1038/s41598-018-30629-w
651. Huang, D.Y., Cai, C.Y. & Nel, A. (2018) A new damsel-dragonfly of the small family Selenothemistidae from the Late Jurassic of China (Odonata: Isophlebioptera). *Journal of Paleontology*, 92 (6), 1049–1053.  
https://doi.org/10.1017/jpa.2018.33
652. Kelly, R.S. & Nel, A. (2018) Revision of some damsel-dragonflies (Odonata, Liassophlebiidae and Angliphlebiidae new family) from the Triassic/Jurassic of England and Antarctica. *Journal of Paleontology*, 92 (6), 1035–1048.  
https://doi.org/10.1017/jpa.2018.32
653. Dominiak, P., Ryszard Szadziewski, R. & Nel, A. (2018) A new species of the haematophagous genus *Austroconops* Wirth & Lee (Diptera: Ceratopogonidae: Leptoconopininae) from French amber of Charente-Maritime. *Cretaceous Research*, 92, 231–239.  
https://doi.org/10.1016/j.cretres.2018.08.005
654. Zheng, D.R., Chang, S.C., Nel, A., Jarzembowski, E.A., Zhuo, D., Zhang, H.C. & Wang, B. (2018) A new Gondwanan dragonfly (Odonata: Anisoptera: Araripegomphidae) from mid-Cretaceous Burmese amber. *Cretaceous Research*, 92, 168–173.  
https://doi.org/10.1016/j.cretres.2018.08.017
655. Zheng, D.R., Jiang, T., Nel, A., Jarzembowski, E.A., Chang, S.C., Zhang, H.C. & Wang, B. (2018) Paraburmagomphidae fam. nov., a new gomphid dragonfly family (Odonata: Anisoptera) from mid-Cretaceous Burmese amber. *Cretaceous Research*, 92, 214–219.  
https://doi.org/10.1016/j.cretres.2018.08.017
656. Huang, D.Y., Fu, Y.Z. & Nel, A. (2018) A new damsel-dragonfly of the small family Selenothemistidae from the earliest Late Jurassic of China (Odonata: Isophlebioptera). *Palaeontology*, 1 (1), 37–41.  
https://doi.org/10.11646/palaeontology.1.1.4
657. Falières, E. & Nel, A. (2018) The oldest representative of the extant genus *Epyris* in the Lowermost Eocene amber of France (Hymenoptera: Bethyloidea: Epyrinae). *Palaeontology*, 1 (1), 32–36.  
https://doi.org/10.11646/palaeontology.1.1.3
658. Kania, I., Nel, A., Jordan-Stasilo, W. & Skibińska, K. (2018) A new species of *Tipula* Linnaeus, 1758 (Diptera: Tipulidae) from Green River Formation, USA. *Acta Zoologica Cracoviensia*, 61 (1–2), 31–38.  
https://doi.org/10.3409/azc.61.2
659. Shayya, S., Garrouste, R., Nel, A. & Azar, D. (2018) The community succession of arthropods on a pig carcass in Lebanon: different taxonomic level approaches with faunistic notes. *Annales de la Société entomologique de France* (N.S.), 54 (5), 217–433.  
https://doi.org/10.1080/00379271.2018.1490928
660. Shayya, S., Debruyne, D., Nel, A. & Azar, D. (2018) Forensically Relevant Blow Flies in Lebanon Survey and Identification Using Molecular Markers (Diptera: Calliphoridae). *Journal of Medical Entomology*, 55 (5), 1113–1123.  
https://doi.org/10.1093/jme/tjy068
661. Shayya, S., Dégallier, N., Nel, A., Azar, D. & Lackner, T. (2018) Contribution to the knowledge of *Saprinus* Erichson, 1834 of forensic relevance from Lebanon (Coleoptera, Histeridae). *ZooKeys*, 738, 117–152.  
https://doi.org/10.3897/zookeys.738.21382
- 2019:**
662. Zheng, D.R., Wang, B., Nel, A., Jarzembowski, E.A., Zhang, H.C. & Chang S.C. (2019) Mesostictinae subfam. nov., an archaic group of platystictid damselflies (Odonata: Zygoptera) from mid-Cretaceous Burmese amber. *Journal of Systematic Palaeontology*, 17 (1), 1–8.  
https://doi.org/10.1080/14772019.2017.1348395
663. Zheng, D.R., Nel, A., Zhang, H.C., Chang, S.C., Jarzembowski, E.A., Zhuo, D. & Wang, B. (2019) A highly diverse coenagrionid damselfly group (Odonata: Zygoptera: Burmacoenagrionidae fam. nov.) from mid-Cretaceous Burmese amber. *Journal of Systematic Palaeontology*, 17 (3), 239–253.  
https://doi.org/10.1080/14772019.2017.1406010
664. Ružičková, D., Nel, A. & Prokop, J. (2019) New dustywings (Neuroptera, Coniopterygidae) from mid-Cretaceous amber of Myanmar reveal spectacular diversity. *ZooKeys*, 827, 139–152.  
https://doi.org/10.3897/zookeys.827.31961

665. Szwedo, J., Weis, R. & Nel, A. (2019) A bizarre sternorrhynchan wing from the Lower Jurassic of Luxembourg (Hemiptera: Sternorrhyncha: Pincombeomorpha?). *Historical Biology*, 31 (6), 806–812. <https://doi.org/10.1080/08912963.2017.1395423>
666. Ataabadi, M.M., Bahrami, A., Mehdi Yazdi, M. & Nel, A. (2019) A locust witness of a trans-oceanic Oligocene migration between Arabia and Iran (Orthoptera: Acrididae). *Historical Biology*, 31 (5), 574–580. <https://doi.org/10.1080/08912963.2017.1378651>
667. Nel, A., Roques, P., Prokop, J. & Garrouste, R. (2019) A new, extraordinary ‘damsel-like’ Odonatoptera from the Pennsylvanian of the Avion locality in Pas-de-Calais, France (Insecta: ‘Exopterygota’). *Alcheringa: An Australasian Journal of Palaeontology*, 43, 241–245. <https://doi.org/10.1080/03115518.2018.1489561>
668. Zheng, D.R., Nel, A. & Jarzembowski, E.A. (2019) The first Cretaceous damselfly of the Jurassic family Steleopteridae (Odonata: Zygoptera), from Surrey, England. *Cretaceous Research*, 93, 1–3. <https://doi.org/10.1016/j.cretres.2018.08.022>
669. Azar, D., Maksoud, S., Huang, D.Y. & Nel, A. (2019) First Lebanese dragonflies (Insecta: Odonata, Aeshnoptera, Cavilabiata) from the Arabo-African mid-Cretaceous paleocontinent. *Cretaceous Research*, 93, 78–89. <https://doi.org/10.1016/j.cretres.2018.08.025>
670. Huang, D.Y., Fu, Y.Z. & Nel, A. (2019) The first amber stenophlebiid damselfly of the Jurassic family Steleopteridae (Odonata: Zygoptera), from mid-Cretaceous amber of northern Myanmar. *Cretaceous Research*, 94, 40–44. <https://doi.org/10.1016/j.cretres.2018.10.008>
671. Huang, D.Y., Fu, Y.Z. & Nel, A. (2019) Possible true Mesozoic Gomphidae s. str. from the mid-Cretaceous Burmese amber (Odonata: Anisoptera). *Cretaceous Research*, 95, 341–345. <https://doi.org/10.1016/j.cretres.2018.11.001>
672. Huang, D.Y., Nel, A. & Azar, D. (2019) An additional new taxon belonging to the small Cretaceous lacewing family Babinskaiidae (Insecta: Neuroptera: Myrmeleontoidea) from the Burmese amber. *Cretaceous Research*, 101, 43–46. <https://doi.org/10.1016/j.cretres.2019.04.010>
673. Kirejtshuk, A.G. & Nel, A. (2019) Reply to the paper “Beutel et al. 2018. Is †Skleroptera (†*Stephanastus*) an order in the stemgroup of Coleoptera (Insecta)?”. *Insect Systematics & Evolution*, 2206, 1–9. <https://doi.org/10.1163/1876312X-00002206>
674. Schubnel, T., Perdu, L., Roques, P., Garrouste, R. & Nel, A. (2019) Two new stem-stoneflies discovered in the Pennsylvanian of the Avion locality in Pas-de-Calais, France (Insecta: ‘Exopterygota’). *Alcheringa*, 43, 430–435. <https://doi.org/10.1080/03115518.2019.1569159>
675. Nel, A., Lapeyrie, J. & Garrouste, R. (2019) The first European representative of the South American Xenopteridae discovered in the Red Permian of Lodève (France) (Insecta: Megasecoptera). *Alcheringa*, 43, 436–440. <https://doi.org/10.1080/03115518.2019.1597162>
676. Garrouste, R. & Nel, A. (2019) The first chinch bug Blissidae (Hemiptera, Heteroptera) from the Eocene Oise amber. *Palaeoentomology*, 2 (1), 85–93. <https://doi.org/10.11646/palaeoentomology.2.1.6>
677. Hakim, M., Huang, D.Y., Nel, A. & Azar, D. (2019) Description of the female of *Myopsocus arthuri* Nel, Waller & Poinar, 2006 from Miocene Dominican amber (Psocodea: Psocomorpha: Myopsocidae). *Palaeoentomology*, 2 (2), 140–147. <https://doi.org/10.11646/palaeoentomology.2.2.5>
678. Claisse, P., Brisac, P. & Nel, A. (2019) The first fossil Nemopteridae from the Oligocene of Céreste (France) (Insecta: Neuroptera). *Palaeoentomology*, 2 (2), 115–118. <https://doi.org/10.11646/palaeoentomology.2.2.3>
679. Claisse, P., Brisac, P. & Nel, A. (2019) The first fossil representative of the Nearctic genus *Nasiaeschna* in France (Odonata: Aeshmidae). *Palaeoentomology*, 2 (3), 219–222. <https://doi.org/10.11646/palaeoentomology.2.3.4>
680. Azar, D. & Nel, A. (2019) A new bethylid wasp from the Lowermost Eocene Oise amber (France) (Insecta: Hymenoptera). *Palaeoentomology*, 2 (3), 211–214. <https://doi.org/10.11646/palaeoentomology.2.3.2>
681. Nel, A., Garrouste, R. & Schubnel, T. (2019) Response to Trueman and Rowe (2019) ‘The wing venation of Odonata’. *International Journal of Odonatology*, 22 (2), 115–119. <https://doi.org/10.1080/13887890.2019.1602085>
682. Azar, D., De La Ferté, C., El Hajj, L., Nel, A. & Maksoud, S. (2019) An unusual ephemeropteran larva from the Lower Cretaceous dysodiles of Lebanon. *Palaeoentomology*, 2 (2), 192–198. <https://doi.org/10.11646/palaeoentomology.2.2.9>
683. Camier, M. & Nel, A. (2019) First Mycetobiinae of the lowermost Eocene Oise amber (France) (Diptera: Anisopodidae). *Palaeoentomology*, 2 (3), 245–250. <https://doi.org/10.11646/palaeoentomology.2.3.9>
684. Legalov, A.A., Kirejtshuk, A.G. & Nel, A. (2019) New weevils (Coleoptera, Curculionoidea) from the earliest Eocene Oise amber. *Paleontological Journal*, 53 (7), 63–85.
685. Legalov, A.A., Nel, A. & Kirejtshuk, A.G. (2019) The oldest genus of the subfamily Sagrinae (Coleoptera: Chrysomelidae) from the Paleocene of Menat (France). *C. R. Palevol*, 18, 178–185. <https://doi.org/10.1016/j.crpv.2018.10.003>
686. Camier, M. & Nel, A. (2019) A fossil black fungus gnat from the lowermost Eocene amber of France (Diptera: Sciaridae). *Palaeoentomology*, 2 (4), 316–321. <https://doi.org/10.11646/palaeoentomology.2.4.3>
687. Falières, E. & Nel, A. (2019) The first representative of the extinct flat wasp subfamily Protopristocerinae (Insecta: Hymenoptera, Bethyloidea). *Palaeoentomology*, 2 (4), 322–326. <https://doi.org/10.11646/palaeoentomology.2.4.4>
688. Falières, E. & Nel, A. (2019) A new scelionine genus from the earliest Eocene Oise amber (Hymenoptera: Platygastroidea: Scelionidae). *Palaeoentomology*, 2 (5), 418–424. <https://doi.org/10.11646/palaeoentomology.2.5.3>