

# Liste de publications de BIOR

## Articles dans des revues avec comité de lecture

### A paraître

Houtain, A., Derzelle, A., Lliros, M., Hespels, B., Nicolas, E., Simion, P., Virgo, J., Heuskin, A.-C., Lenormand, T., Hallet, B., & Van Doninck, K. (2026). Transgenerational chromosome repair in the asexual bdelloid rotifer *Adineta vaga*. *Science advances*, Final revision.

### 2026

Caiti, E., Fournier, D., Barnard, K., Dacquin, P., Hasbroucq, S., Inward, D., Reed, K., & Grégoire, J.-C. (2026). Mated Female Dispersal and Solitary Gallery Initiation in *Ips typographus*: Evidence From a Range Expansion Gradient. *Journal of applied entomology*. doi:10.1111/jen.70071

Ranavat, S., Sergeant, S., Angbonda, D. M. A., Sonke, B., Bouka, G. U. D., Bourland, N., Gillet, J.-F., Doucet, J.-L., & Hardy, O. J. (2026). Mid-Pleistocene origin and phylogeographical signatures of recurrent expansion-fragmentation of a highly inbred and endangered African timber legume. *Botanical journal of the Linnean Society*, 210(1), 18-30. doi:10.1093/botlinnean/boaf033

### 2025

Cozzarolo, C.-S., Vasilikopoulos, A., De Thier, O., Hagemann, L., Dezfuli, B. S., Van Doninck, K., & Herlyn, H. (2025). Transcriptional profiles of the fish parasite *Neoechinorhynchus agilis* (Acanthocephala) emphasize energetic stress in males and high cell-division activity in females. *BMC genomics*, 26(1090).

Verhoest, L., Vermeulen, V., Vleminckx, J., Drouet, T., & Noret, N. (2025). Use of spinach as an indicator of trace metal bioavailability: Are contamination limits valid for plants and soil? *Environmental pollution*, 386, 127173. doi:10.1016/j.envpol.2025.127173

Ngongo Lushima, J.-P., Beeckman, H., Ndjele, L., Kafuti, C., Bourland, N., Drouet, T., & Hardy, O. J. (2025). Modulation of functional traits and growth in *Pericopsis elata* seedlings in response to two contrasting light environments. *Trees*, 39(6). doi:10.1007/s00468-025-02708-9

Rocha Venancio Meyer-Sand, B., Boeschoten, L. L., Bouka, G. G., Ciliane-Madikou, J. J., de Groot, G. A., de Vries, N., Engone Obiang, N. L., Esselink, D., Guieshon-Engongoro, M., Hardy, O. J., Jansen, S., Loumeto, J. J., Mbika, D. M. D., Moundounga, C. G., Ndiade-Bourobou, D., Ndangani, R. R., Smulders, M. J. M., Tassiamba, S. S., Tchamba, M. N. M., Toumba-Paka, B. B., Zanguim, H. H., Zemtsa, P. P., & Zuidema, P. P. (2025). Unlocking the geography of Azobé timber (*Lophira alata*): revealing spatial genetic structure beyond species boundaries. *BMC plant biology*, 25(1), 315. doi:10.1186/s12870-025-06287-2

Kamdem, N., Sonke, B., Sergeant, S., Deblauwe, V., & Hardy, O. J. (2025). Short-distance seed and pollen dispersal in both hunted and intact forests in the lower canopy African rainforest tree, *Coula edulis* Baill. (Coulaceae). *BMC Ecology and Evolution*, 25(1), 20. doi:10.1186/s12862-025-02356-0

Kamdem, N., Sonke, B., Sergeant, S., Stevart, T., Deblauwe, V., & Hardy, O. J. (2025). Evidence of high genetic differentiation driven by limited gene flow in a lower canopy African tropical rainforest tree species, *Coula edulis* Baill. (Coulaceae). *BMC Ecology and Evolution*, 25(1). doi:10.1186/s12862-025-02483-8

Meunier, L., Keller-Costa, T., Cannella, D., Gonçalves, J. M. J., Dechamps, E., Marques, M., Costa, R., & George, I. (2025). An artificial selection procedure enriches for known and suspected chitin degraders from the prokaryotic rare biosphere of multiple marine biotopes. *BMC Microbiology*, 25(1), 778. doi:10.1186/s12866-025-04218-7

Govender, M., Shankar Poti, M., Nijamdeen, T. W. G. F. M. T., Sunanda Kodikara, K. A., Dahdouh-Guebas, F., & Hüge, J. (2025). Mapping conservation conflicts by integrating social network analysis and Q methodology: A sea turtle case from Sri Lanka. *Scientific reports*, 15(1), 16658. doi:10.1038/s41598-025-99926-5

Josens, G., Deligne, J., Harry, M., Roy, V., Akama, P. D., Coulibaly, T., Dosso, K., Goergen, G., Hasson, M., Kasangij a Kasangij, P., Kifukieto, C., Le Ru, B., Loko, L. E. Y., Ndiaye, A. B., Roisin, Y., Sion, N., Šobotnik, J., Stiblik, P., Kue Di Kuenda, S., Traoré, S., Viage, M., Wango, S.-P., Kaymak, E., Bourguignon, T., & Hellemans, S. (2025). An integrative revision of the genus *Isognathotermes* (Termitidae: Cubitermitinae) with description of seven new species and four new subspecies. *European Journal of Taxonomy*, 1024, 1-197. doi:10.5852/ejt.2025.1024.3099

Kortz, A. A., Meerts, P. J., et al. (2025). A global synthesis of naturalized and invasive plants in aquatic habitats. *NeoBiota*, 102, 473-494. doi:10.3897/neobiota.102.151156

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Saccò, M., Chauveau, C., Collard, O., Flot, J.-F., Stoch, F., et al. (2025). Advancing subterranean conservation through Global Research on eDNA in Groundwaters (GReG). *Subterranean Biology*, 53, 31-40. doi:10.3897/subtbiol.53.165710

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Zhou, Z., Yang, D., Lambert, I., Decroo, C., Mascolo, C., Heidig, S.-L., Karasiewicz, T., Flot, J.-F., Prévost, M., Wattiez, R., Vandenbussche, G., & Fontaine, V. (2025). New moonlighting activities for various GroEL/Hsp60 proteins, mainly characterized using recombinant *M. tuberculosis* GroEL1. *International journal of biological macromolecules*, 336, 149266. doi:10.1016/j.ijbiomac.2025.149266

Boucherie, A., Polet, C., Vercauteren, M., Lefèvre, P., & Santos, F. (2025). BASE – Basicranial Sex Estimation: An R package for sexing adult western European individuals from the cranial base morphometry in bioarchaeology and forensic anthropology. *Bulletins et Mémoires de la Société d'anthropologie de Paris*, 37(2), 53-69. doi:10.4000/151ua

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Scheffrahn, R. H., Wang, M., Bourguignon, T., Rocha, M. M., Canello, E. M., Roisin, Y., & Hellemans, S. (2025). *Nasutitermes aurantius* (Isoptera, Termitidae, Nasutitermitinae), a new nasutiform termite species from Panama and a key to soldiers of Central American *Nasutitermes* Dudley, 1890. *ZooKeys*, 1256, 163-177. doi:10.3897/zookeys.1256.158192

Rodriguez-Valbuena, H., Salcedo, J., De Thier, O., Flot, J.-F., Tiozzo, S., & De Tomaso, A. A. (2025). Exceptional diversity of allorecognition receptors in a nonvertebrate chordate reveals principles of innate allelic discrimination. *Proceedings of the National Academy of Sciences of the United States of America*, 122(43), e2519372122. doi:10.1073/pnas.2519372122

Ducet, H., Suchocki, C., Bardin, C., Lewis, C. J., Permentier, T., Hardt, M., Toonen, R. J., Kochzius, M., & Flot, J.-F. (2025). Shading does not lower thermal tolerance in the coral *Montipora capitata*. *Coral reefs*. doi:10.1007/s00338-025-02753-3

Stamatakis, E., Gerritzen, C. T., Van Ham-Meert, A., Griffith, J. I., De Mulder, G., Vercauteren, M., & Snoeck, C. (2025). High-temperature transformation of bioapatite to #tricalcium phosphate: Structural and isotopic changes in cortical bone up to 1400 °C. *Ceramics international*, 51(25), 44205-44217. doi:10.1016/j.ceramint.2025.07.151

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## 2024

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