

FR AIB - Publications année 2020	Laboratoires		IF 2019	Liens
Aguillon S, Din Dipita A, Lecompte E, Missouf AD, Tindo M, Gaubert P (2020). Development and characterization of 20 polymorphic microsatellite markers for the white-bellied pangolin <i>Phataginus tricuspis</i> (Mammalia, Pholidota). Molecular Biology Reports , 47: 4827-4833.	EDB	-	1,402	https://link.springer.com/content/pdf/10.1007/s11033-020-05511-6.pdf
An J, Almasaud RA, Bouzayen M, Zouine M, Chervin C (2020). Auxin and ethylene regulation of fruit set. Plant Science , 292: 110381.	GBF	-	3,591	https://www.sciencedirect.com/science/article/pii/S0168945219315547
Aoun N, Desaint H, Boyrie L, Bonhomme M, Deslandes L, Berthomé R, Roux F (2020). A complex network of additive and epistatic quantitative trait loci underlies natural variation of <i>Arabidopsis thaliana</i> quantitative disease resistance to <i>Ralstonia solanacearum</i> under heat stress. Molecular Plant Pathology , 21: 1405-1420.	LIPM	LRSV	4,326	https://bsppjournals.onlinelibrary.wiley.com/doi/full/10.1111/mpp.12964
Arneth A, Shin Y-J, Leadley P, Rondinini C, Bukvareva E, Kolb M, Midgley GF, Oberdorff T, Palomo I, Saito O (2020). Post-2020 biodiversity targets need to embrace climate change. Proceedings of the National Academy of Sciences of the United States of America , 117: 30882-30891.	EDB	-	9,412	https://www.pnas.org/content/117/49/30882
Arroyo-Velez N, Gonzalez-Fuente M, Peeters N, Lauber E, Noël LD (2020). From effectors to effectomes: are functional studies of individual effectors enough to decipher plant pathogen infectious strategies? Plos Pathogens , 16: e1009059.	LIPM	-	6,218	https://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1009059
Astudillo-Garcia C, Bell JJ, Montoya JM, Moitinho-Silva L, Thomas T, Webster NS, Taylor MW (2020). Assessing the strength and sensitivity of the core microbiota approach on a highly diverse sponge reef. Environmental Microbiology , 22: 3985-3999.	SETE	-	4,933	https://sfamjournals.onlinelibrary.wiley.com/doi/abs/10.1111/1462-2920.15185
Aubrée F, David P, Jarne P, Loreau M, Mouquet N, Calcagno V (2020). How community adaptation affects biodiversity-ecosystem functioning relationships. Ecology Letters , 23: 1263-1275.	SETE	-	8,665	https://onlinelibrary.wiley.com/doi/full/10.1111/ele.13530
Bacete L, Melida H, Lopez G, Dabos P, Tremousaygue D, Denancé N, Miedes E, Bulone V, Goffner D, Molina A (2020). Arabidopsis response regulator 6 (ARR6) modulates plant cell-wall composition and disease resistance. Molecular Plant-Microbe Interactions , 33: 767-780.	LIPM	LRSV	3,696	https://apsjournals.apsnet.org/doi/pdf/10.1094/MPMI-12-19-0341-R
Badouin H, Velt A, Gindraud F, Flutre T, Dumas V, Vautrin S, Marande W, Corbi J, Sallet E, Ganofsky J, Santoni S, Guyot D, Ricciardelli E, Jepsen K, Kafer J, Bergès H, Duchêne E, Picard F, Huguency P, Tavares R, Bacilieri R, Rustenholz C, Marais GAB (2020). The wild grape genome sequence provides insights into the transition from dioecy to hermaphroditism during grape domestication. Genome Biology , 21: 223.	LIPM	CNRGV	10,806	https://genomebiology.biomedcentral.com/articles/10.1186/s13059-020-02131-y
Baguette M, Bertrand JAM, Stevens VM, Schatz B (2020). Why are there so many bee-orchid species? Adaptive radiation by intra-specific competition for mesic pollinators. Biological Reviews , 95: 1630-1663.	SETE	-	10,701	https://onlinelibrary.wiley.com/doi/full/10.1111/brv.12633
Baksay S, Pornon A, Burrus M, Mariette J, Andalo C, Escaravage N (2020). Experimental quantification of pollen with DNA metabarcoding using ITS1 and trnL. Scientific Reports , 10: 4202.	EDB	-	3,998	https://www.nature.com/articles/s41598-020-61198-6.pdf
Baltazar-Soares M, Blanchet S, Cote J, Tarkan AS, Zahorska E, Gozlan RE, Ezaguirre C (2020). Genomic footprints of a biological invasion: introduction from Asia and dispersal in Europe of the topmouth gudgeon (<i>Pseudorasbora parva</i>). Molecular Ecology , 29: 71-85.	SETE	EDB	5,163	https://onlinelibrary.wiley.com/doi/full/10.1111/mec.15313
Barbacci A, Navaud O, Mbengue M, Barascud M, Godiard L, Khafif M, Lacaze A, Raffaele S (2020). Rapid identification of an Arabidopsis NLR gene as a candidate conferring susceptibility to <i>Sclerotinia sclerotiorum</i> using time-resolved automated phenotyping. Plant Journal , 103: 903-917.	LIPM	-	6,141	https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/tpj.14747

Barthélemy M, Guérineau V, Genta-Jouve G, Roy M, Chave J, Guillot R, Pellissier L, Wolfender J-L, Stien D, Eparvier V, Touboul D (2020). Identification and dereplication of endophytic <i>Colletotrichum</i> strains by MALDI TOF mass spectrometry and molecular networking. Scientific Reports , 10: 19788.	EDB	-	3,998	https://www.nature.com/articles/s41598-020-74852-w
Bastos A, Fu Z, Ciais P, Friedlingstein P, Sitch S, Pongratz J, Weber U, Reichstein M, Anthoni P, Arneth A, Haverd V, Jain A, Joetzjer E, Knauer J, Lienert S, Loughran T, McGuire PC, Obermeier W, Padron RS, Shi H, Tian H, Viovy N, Zaehle S (2020). Impacts of extreme summers on european ecosystems: a comparative analysis of 2003, 2010 and 2018. Philosophical Transactions of the Royal Society of London. Series B, Biological sciences , 375: 20190507.	EDB	-	5,68	https://royalsocietypublishing.org/doi/pdf/10.1098/rstb.2019.0507
Bellande K, Lalo A, Ligat L, Roujol D, Jamet E, Canut H (2020). Recombinant N-glycosylation isoforms of legume lectins: Production and purification from <i>Nicotiana benthamiana</i> leaves following RuBisCO depletion. Plant Physiology and Biochemistry , 157: 441-452.	LRSV	-	3,72	https://www.sciencedirect.com/science/article/pii/S0981942820305507
Bellard C, Huguény B (2020). Importance of metapopulation dynamics to explain fish persistence in a river system. Freshwater Biology , 65: 1858-1869.	EDB	-	3,835	https://onlinelibrary.wiley.com/doi/full/10.1111/fwb.13571
Belmonte RL, Corbally M-K, Duneau DF, Regan JC (2020). Sexual dimorphisms in innate immunity and responses to infection in <i>Drosophila melanogaster</i> . Frontiers in Immunology , 10: 3075.	EDB	-	5,085	https://www.frontiersin.org/articles/10.3389/fimmu.2019.03075/full
Benezech C, Berrabah F, Jardinaud M-F, Le Scornet A, Milhes M, Jiang G, George J, Ratet P, Vailleau F, Gourion B (2020). Medicago-sinorhizobium-ralstonia co-infection reveals legume nodules as pathogen confined infection sites developing weak defenses. Current Biology , 30: 351-358.	LIPM	-	9,601	https://www.sciencedirect.com/science/article/pii/S0960982219315684?via%3Dihub
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Bergmann J, Weigelt A, van Der Plas F, Laughlin DC, Kuyper TW, Guerrero-Ramirez NR, Valverde-Barrantes OJ, Bruelheide H, Freschet GT, Iversen CM, Kattge J, McCormack ML, Meier IC, Rillig MC, Roumet C, Semchenko M, Sweeney CJ, van Ruijven J, York LM, Mommer L (2020). The fungal collaboration gradient dominates the root economics space in plants. Science Advances , 6: eaba3756.	SETE	-	13,116	https://advances.sciencemag.org/content/advances/6/27/eaba3756.full.pdf
Bertrand R, Aubret F, Grenouillet G, Ribéron A, Blanchet S (2020). Comment on "Forest microclimate dynamics drive plant responses to warming". Science , 370: eabd3850.	EDB	SETE	41,845	https://science.sciencemag.org/content/sci/370/6520/eabd3850.full.pdf
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Bianconi ME, Dunning LT, Curran EV, Hidalgo O, Powell RF, Mian S, Leitch IJ, Lundgren MR, Manzi S, Vorontsova MS, Besnard G, Osborne CP, Olofsson JK, Christin P-A (2020). Contrasted histories of organelle and nuclear genomes underlying physiological diversification in a grass species. <i>Proceedings of the Royal Society B-Biological Sciences</i> , 287: 20201960.	EDB	-	4,637	https://royalsocietypublishing.org/doi/pdf/10.1098/rspb.2020.1960
Bianconi ME, Hackel J, Vorontsova MS, Alberti A, Arthan W, Burke SV, Duvall MR, Kellogg EA, Lavergne S, McKain MR, Meunier A, Osborne CP, Traiperm P, Christin P-A, Besnard G (2020). Continued adaptation of C4 photosynthesis after an initial burst of changes in the andropogoneae grasses. <i>Systematic Biology</i> , 69: 445-461.	EDB	-	10,408	https://academic.oup.com/sysbio/advance-article/doi/10.1093/sysbio/syz066/5582656
Blanchet S, Prunier JG, Paz-Vinas I, Saint-Pé K, Rey O, Raffard A, Mathieu-Bégné E, Loot G, Fourtune L, Dubut V (2020). A river runs through it: the causes, consequences, and management of intraspecific diversity in river networks. <i>Evolutionary Applications</i> , 13: 1195-1213.	SETE	EDB/Ec olab	4,013	https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/eva.12941
Boissin E, Neglia V, Baksay S, Micu D, Bat L, Topaloglu B, Todorova V, Panayotova M, Kruschel C, Milchakova N, Voutsinas E, Beqiraj S, Nasto I, Aglieri G, Taviani M, Zane L, Planes S (2020). Chaotic genetic structure and past demographic expansion of the invasive gastropod <i>Tritia neritea</i> in its native range, the Mediterranean Sea. <i>Scientific Reports</i> , 10: 21624.	EDB	-	3,998	https://www.nature.com/articles/s41598-020-77742-3
Boivin S, Lahmidi NA, Sherlock D, Bonhomme M, Dijon D, Heulin-Gotty K, Le-Queré A, Pervent M, Tauzin M, Carlsson G, Jensen E, Journet E-P, Lopez-Bellido R, Seidenglanz M, Marinkovic J, Colella S, Brunel B, Young P, Lepetit M (2020). Host-specific competitiveness to form nodules in <i>Rhizobium leguminosarum</i> symbiovar viciae. <i>New Phytologist</i> , 226: 555-568.	LRSV	LIPM	8,512	https://nph.onlinelibrary.wiley.com/doi/pdfdirect/10.1111/nph.16392
Bourgeois YXC, Bertrand JAM, Delahaie B, Holota H, Thébaud C, Mil B (2020). Differential divergence in autosomes and sex chromosomes is associated with intra-island diversification at a very small spatial scale in a songbird lineage. <i>Molecular Ecology</i> , 29: 1137-1153.	EDB	-	5,163	https://onlinelibrary.wiley.com/doi/full/10.1111/mec.15396
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Calders K, Adams J, Armston J, Bartholomeus H, Bauwens S, Bentley LP, Chave J, Danson FM, Demol M, Disney M, Gaulton R, Moorthy SMK, Levick SR, Saarinen N, Schaaf C, Stovall A, Terryn L, Wilkes P, Verbeeck H (2020). Terrestrial laser scanning in forest ecology: Expanding the horizon. <i>Remote Sensing of Environment</i> , 251: 112102.	EDB	-	9,085	https://www.sciencedirect.com/science/article/pii/S0034425720304752
Cambon MC, Lafont P, Frayssinet M, Lanois A, Ogier J-C, Pagès S, Parthuisot N, Ferdy J-B, Gaudriault S (2020). Bacterial community profile after the lethal infection of <i>Steinernema-Xenorhabdus</i> pairs into soil-reared <i>Tenebrio molitor</i> larvae. <i>FEMS Microbiology Ecology</i> , 96: fiae009.	EDB	-	3,675	https://academic.oup.com/femsec/advance-article/doi/10.1093/femsec/fiae009/5704397
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Carrère S, Verdenaud M, Gough C, Gouzy J, Gamas P (2020). LeGOO: an expertized knowledge database for the model legume <i>Medicago truncatula</i> . <i>Plant and Cell Physiology</i> , 61: 203-211.	LIPM	-	4,062	https://academic.oup.com/pcp/advance-article/doi/10.1093/pcp/pcz177/5570989
Cauchoux M, Chaîne AS, Barragan-Jason G (2020). Cognition in context: plasticity in cognitive performance in response to ongoing environmental variables. <i>Frontiers in Ecology and Evolution</i> , 8: 106.	SETE	-	2,416	https://www.frontiersin.org/articles/10.3389/fevo.2020.00106/full
Cauz-Santos LA, da Costa ZP, Callot C, Cauet S, Zucchi MI, Bergès H, van den Berg C, Vieira MLC (2020). A repertory of rearrangements and the loss of an inverted repeat region in <i>Passiflora</i> chloroplast genomes. <i>Genome Biology and Evolution</i> , 12: 1841-1857.	CNRGV	-	3,462	https://academic.oup.com/gbe/advance-article/doi/10.1093/gbe/evaa155/5877432
Cayuella H, Besnard A, Cote J, Laporte M, Bonnaire E, Pichenot J, Schtickzelle N, Bellec A, Joly P, Lena J-P (2020). Anthropogenic disturbance drives dispersal syndromes, demography, and gene flow in amphibian populations. <i>Ecological Monographs</i> , 90: e01406.	EDB	-	7,722	https://esajournals.onlinelibrary.wiley.com/doi/full/10.1002/ecm.1406
Cayuella H, Valenzuela-Sanchez A, Teulier L, Martinez-Solano I, Lena J-P, Merilae J, Muths E, Shine R, Quay L, Denoel M, Clobert J, Schmidt BR (2020). Determinants and consequences of dispersal in vertebrates with complex life cycles: a review of pond-breeding amphibians. <i>Quarterly Review of Biology</i> , 95: 1-36.	SETE	-	4,389	https://www.journals.uchicago.edu/doi/10.1086/707862
Chan B, Brosse S, Hogan ZS, Ngor PB, Lek S (2020). Influence of local habitat and climatic factors on the distribution of fish species in the Tonle Sap Lake. <i>Water</i> , 12: 786.	EDB	-	2,544	https://www.mdpi.com/2073-4441/12/3/786
Chan B, Ngor PB, Hogan ZS, So N, Brosse S, Lek S (2020). Temporal dynamics of fish assemblages as a reflection of policy shift from fishing concession to co-management in one of the world's largest tropical flood pulse fisheries. <i>Water</i> , 12: 2974.	EDB	-	2,544	https://www.mdpi.com/2073-4441/12/11/2974
Chapuis E, Ali N, Nous C, Besnard G (2020). Adaptive response to olive cultivation in a generalist parasitic nematode (<i>Meloidogyne javanica</i>). <i>Biological Journal of the Linnean Society</i> , 131: 356-368.	EDB	-	1,961	https://academic.oup.com/biolinnean/article/131/2/356/5893741
Chave J, Pioniot C, Maréchaux I, de Foresta H, Larpin D, Fischer FJ, Derroire G, Vincent G, Herault B (2020). Slow rate of secondary forest carbon accumulation in the Guianas compared with the rest of the Neotropics. <i>Ecological Applications</i> , 30: e02004.	EDB	-	4,248	https://esajournals.onlinelibrary.wiley.com/doi/full/10.1002/eap.2004
Chave J, Sothers C, Iribar A, Suescun U, Chase MW, Prance GT (2020). Rapid diversification rates in amazonian chrysobalanaceae inferred from plastid genome phylogenetics. <i>Botanical Journal of the Linnean Society</i> , 194: 271-289.	EDB	-	2,076	https://academic.oup.com/botlinnean/article/194/3/271/5890102
Chen Yao, Su D, Li J, Ying S, Deng H, He X, Zhu Y, Li Y, Chen Y, Pirrello J, Bouzayen M, Liu Y, Liu M (2020). Overexpression of bHLH95, a basic helix-loop-helix transcription factor family member, impacts trichome formation via regulating gibberellin biosynthesis in tomato. <i>Journal of Experimental Botany</i> , 71: 3450-3462.	GBF	-	5,908	https://academic.oup.com/jxb/article/71/12/3450/5781140
Chen Yi, Almasaud RA, Carrie E, Desbrosses G, Binder BM, Chervin C (2020). Ethanol, at physiological concentrations, affects ethylene sensing in tomato germinating seeds and seedlings. <i>Plant Science</i> , 291.	GBF	-	3,591	https://www.sciencedirect.com/science/article/pii/S0168945219315419
Cherkaoui M, Lollier V, Geairon A, Boudier A, Larre C, Rogniaux H, Jamet E, Guillon F, Francin-Allami M (2020). Cell wall proteome of wheat grain endosperm and outer layers at two key stages of early development. <i>International Journal of Molecular Sciences</i> , 21: 1740.	LRSV	-	4,556	https://www.mdpi.com/1422-0067/21/1/239/htm

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Choi SW, Ryu MY, Viczian A, Jung HJ, Kim GM, Arce AL, Achkar NP, Manavella P, Dolde U, Wenkel S, Molnar A, Nagy F, Cho SK, Yang SW (2020). Light triggers the miRNA-biogenetic inconsistency for de-etiolated seedling survivability in <i>Arabidopsis thaliana</i> . <i>Molecular Plant</i> , 13: 431-445.	LRSV	-	12,084	https://www.sciencedirect.com/science/article/pii/S1674205219303375
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Cucherousset J, Olden JD (2020). Are domesticated freshwater fish an underappreciated culprit of ecosystem change? <i>Fish and Fisheries</i> , 21: 1253-1258.	EDB	-	6,785	https://onlinelibrary.wiley.com/doi/full/10.1111/faf.12499
Cucherousset J, Zavorka L, Ponsard S, Cereghino R, Santoul F (2020). Stable isotope niche convergence in coexisting native and non-native salmonids across age classes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 77: 1359-1365.	EDB	Ecolab	2,849	https://www.nrcresearchpress.com/doi/full/10.1139/cjfas-2019-0186
Cuff AL, Baguette M, Blanchet S, Jacobus LM, Mazzi D, Settele J (2020). Seventh BMC ecology image competition: the winning images. <i>BMC Ecology</i> , 20: 42-42	SETE	-	2,029	https://bmcecol.biomedcentral.com/track/pdf/10.1186/s12898-020-00310-w
da Rosa CA, Ribeiro BR, Bejarano V, et al (2020). Neotropical alien mammals: a data set of occurrence and abundance of alien mammals in the neotropics. <i>Ecology</i> , 101: e03115.	SETE	-	4,7	https://esajournals.onlinelibrary.wiley.com/doi/abs/10.1002/ecy.3115
Dai Y, Hu G, Dupas A, Medina L, Blandels N, San Clemente HS, Ladouce N, Badawi M, Hernandez-Raquet G, Mounet F, Grima-Pettenati J, Cassan-Wang H (2020). Implementing the CRISPR/Cas9 technology in <i>Eucalyptus</i> hairy roots using wood-related genes. <i>International Journal of Molecular Sciences</i> , 21: 3408.	LRSV	GBF	4,556	https://www.mdpi.com/1422-0067/21/10/3408
Dalibard M, Buisson L, Riberon A, Laffaille P (2020). Identifying threats to pyrenean brook newt (<i>Calotriton asper</i>) to improve decision making in conservation management: a literature review complemented by expert-driven knowledge. <i>Journal for Nature Conservation</i> , 54: 125801.	EDB	Ecolab	2,482	https://www.sciencedirect.com/science/article/pii/S161713811930113X
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Dayon J, Lecompte E, Aguilar A, de Larrinoa PF, Pires R, Gaubert P (2020). Development and characterization of nineteen microsatellite loci for the endangered mediterranean monk seal <i>Monachus monachus</i> . <i>Marine Biodiversity</i> , 50: 67.	EDB	-	1,487	https://link.springer.com/article/10.1007/s12526-020-01101-8
De Kort H, Baguette M, Lenoir J, Stevens VM (2020). Toward reliable habitat suitability and accessibility models in an era of multiple environmental stressors. <i>Ecology and Evolution</i> , 10: 10937-10952.	SETE	-	2,392	https://onlinelibrary.wiley.com/doi/pdfdirect/10.1002/ece3.6753
de Lima RAF, Oliveira AA, Pitta GR, de Gasper AL, Vibrans AC, Chave J, ter Steege H, Prado PI (2020). The erosion of biodiversity and biomass in the atlantic forest biodiversity hotspot. <i>Nature Communications</i> , 11: 6347.	EDB	-	12,121	https://www.nature.com/articles/s41467-020-20217-w.pdf
de Moura GGD, Remigi P, Masson-Boivin C, Capela D (2020). Experimental evolution of legume symbionts: what have we learnt? <i>Genes</i> , 11: 339.	LIPM	-	3,759	https://www.mdpi.com/2073-4425/11/3/339
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