

## LISTE DES PUBLICATIONS DU PtME - 2019

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1. Auzoux-Bordenave, S., Wessel, N., Badou, A., Martin, S., M'Zoudi, S., Avignon, S., Roussel, S., Huchette, S., and Dubois, P. (2019). Ocean acidification impacts growth and shell mineralization in juvenile abalone (*Haliotis tuberculata*). *Mar. Biol* 167, 14
2. Baron, F., Gaudin, A., Lorand, J.-P., and Mangold, N. (2019). New Constraints on Early Mars Weathering Conditions from an Experimental Approach on Crust Simulants. *JGR* 124, 1783–1801
3. Djediat, C., Feilke, K., Brochard, A., Caramelle, L., Kim Tiam, S., Sétif, P., Gauvrit, T., Yéprémian, C., Wilson, A., Talbot, L., et al. (2019). Light stress in green and red Planktothrix strains: The orange carotenoid protein and its related photoprotective mechanism. *Biochim Biophys Acta Bioenerg* 20
4. Fau, A. (2019). Pulsed laser-induced heating of mineral phases: Implications for laser-induced breakdown spectroscopy combined with Raman spectroscopy. *Spectrochim. Acta* 160
5. Gurdebeke, P., Mertens, K., Pospelova, V., Matsuoka, K., Li, Z., Gribble, K., Gu, H., Bogus, K., Vrielinck, H., and Louwye, S. (2019b). Taxonomic revision, phylogeny, and cyst wall composition of the dinoflagellate cyst genus *Votadinium* Reid (Dinophyceae, Peridinales, Protoperidiniaceae). *Palynology*
6. Gurdebeke, P., Mertens, K., Pospelova, V., Nieuwenhove, N., and Louwye, S. (2019c). *Islandinium pacificum* sp. nov., a new dinoflagellate cyst from the upper Quaternary of the northeast Pacific. *Palynology*
7. Hewins, R., Zanda, B., Pont, S., and Zanetta, P. (2019). Northwest Africa 10414, a pigeonite cumulate shergottite. *Meteorit. Planet. Sci.* 54, 2132–2148
8. Ibanez, C., Suhard, D., Elie, C., Ebrahimian, T., Lestaevel, P., Roynette, A., Dhieux-Lestaevel, B., Gensdarmes, F., Tack, K., and Tessier, C. (2019). Evaluation of the Nose-to-Brain Transport of Different Physicochemical Forms of Uranium after Exposure via Inhalation of aUO<sub>4</sub> Aerosol in the Rat. *EHP* 127
9. Jauvion, C. (2019). Exceptional préservation requires fast biodégradation?: Thylacocephalan specimens from La Voulte sur Rhône (Callovian, Jurassic, France). *Palaeontology* 1–19>
10. Le Manach, S., Duval, C., Marie, A., Djediat, C., Catherine, A., Edery, M., Bernard, C., and Marie, B. (2019). Global Metabolomic Characterizations of *Microcystis* spp. Highlights Clonal Diversity in Natural Bloom-Forming Populations and Expands Metabolite Structural Diversity. *Front Microbiol.* 10
11. Le Pabic, C., Derr, J., Luquet, G., Lopez, P.-J., and Bonnaud-Ponticelli, L. (2019). Three-dimensional structural evolution of the cuttlefish *Sepia officinalis* shell from embryo to adult stages. *J. R. Soc* 16, 20190175
12. Lebon, M. (2019). Characterization of painting pigments and ochres associated with the Hoabinhian archaeological context at the rock-shelter site of Doi Pha Kan (Thailand). *Archaeol. Sci. Rep.* 26
13. Li, Z., Mertens, K., Nézan, E., Chomérat, N., Bilién, G., Iwataki, M., and Shin, H. (2019). Discovery of a new clade nested within the genus *Alexandrium* (Dinophyceae): Morpho-molecular characterization of *Centrodinium punctatum* (Cleve). *Protist* 170, 168–186
14. Mounier, R., Kapandji, N., Gricourt, G., Rodriguez, C., Cook, F., Pons, S., Djediat, C., Mellano, V., Lobo, D., Rebière, C., et al. (2019). Intracranial pressure monitoring bacterial infection and colonization?: a prospective study.
15. Pons, S., Martin, M., Djediat, C., and Mounier, R. (2019). symptomatic Bacterial Biofilm Observed on an Analgesic Epidural Catheter. *Clin. Surg.* 4
16. Qiao, Q., Djediat, C., Huet, H., Duval, C., Le Manach, S., Bernard, C., Edery, M., and Marie, B. (2019). Subcellular localization of microcystin in the liver and the gonads of medaka fish acutely exposed to microcystin-LR. *Toxicon* 159
17. Rey-Rodríguez, I., Soetzel, E., López-García, J., and Denys, C. (2019). Implications of modern Barn owls pellets analysis for archaeological studies in the Middle East. *Journal of Archaeological Science* 111
18. Terrien, J., Seugnet, I., Seffou, B., Herrero, M., Bowers, J., Chamas, L., Decherf, S., Duvernois-Berthet, E., Djediat, C., Ducos, B., et al. (2019). Reduced central and peripheral inflammatory responses and increased mitochondrial activity contribute to diet-induced obesity resistance in WSB/EiJ mice. *Sci Rep* 9
19. Viennet, J., Bultel, J., and Werner, S. (2019). Experimental reproduction of the martian weathering profiles argues for a dense Noachian CO<sub>2</sub> atmosphere. *Chem. Geol.* 525, 82–95
20. Yassin, A., Suwalski, A., and Raveloson Ravaomanarivo, L.H. (2019). Resolving the synonymy and polyphyly of the “*Drosophila bakoue* species complex” (Diptera: Drosophilidae: “*D. montium* species group”) with descriptions of two new species from Madagascar. *Eur. J. Taxon.* 532, 1–26.
21. Zanetta, P., Le Guillou, C., Leroux, H., Zanda, B., Hewins, R., Lewin, R., and Pont, S. (2019). Modal abundance, density and chemistry of micrometer-sized assemblages by advanced electron microscopy: application to chondrites. 514, 27–41

### Communications orales et posters:

1. Alazzaz, J., Bouchard, Chaouch, S., Bermudez-Humaran, I., and Florent, I. (2019a). Probiotics as anti-Giardia defenders: determination of the control mechanism. Congress: Eukaryome impact on Intestine homeostasis and mucosal immunology (Pasteur Institute, Paris, France).
2. Alazzaz, J., Chaouch, S., Polack, B., Bermudez-Humaran, I., and Florent, I. (2019b). Action de probiotiques contre le parasite intestinal Giardia duodenalis (Colloque Microbiologie dans tous ses états – 1 Health, Centre de Recherche des Cordeliers, Paris, France).
3. Auzoux-Bordenave, S., Avignon, S., Dubois, P., Richard, N., Coheleach, M., Badou, A., Di Giglio, S., Malet, L., Martin, S., Roussel, S., et al. (2019). Ocean acidification impacts European abalone (*Haliotis tuberculata*) shell microstructure and mechanical properties (Munich, Germany).
4. Beyssac, O., Fau, A., Zanda, B., Gauthier, Pont, S., Sautter, S., Bernard, S., Boulliard, J., Hewins, R., Benzerara, K., et al. (2019). Raman spectroscopy for Mars exploration: insights from NWA7533 martian breccia and terrestrial analogs for Jezero lithologies.
5. Favreau, C., Zirah, S., Marie, B., Huguet, A., and Kish, A. (2019). Probiotics as anti-Giardia defenders: determination of the control mechanism. Congress: Eukaryome impact on Intestine homeostasis and mucosal immunology (AFEM, Bussang, FRANCE).
6. Hewins, R., Zanetta, Zanda, B., Le Guillou, Gattacceca, J., Sognzoni, Pont, S., Piani, L., Rigaudier, T., Leroux, H., et al. (2019). Northwest Africa 12563 CM2-AN, and the different alteration styles in C2 chondrites.
7. Humayun, M., Irving, A., Richter, K., Peslier, A., Zanda, B., and Hewins, R. (2019a). A two gigayear history of germanium outgassing from shergottites.
8. Humayun, M., Sillitoe-Kukas, S., Hewins, R., Zanda, B., Moser, D., Arcuri, G., Irving, A., and Lorand, J. (2019b). Spherules in the martian polymict breccias. II. Chemical sedimentary processes on Mars.
9. Kharchenko, V., and Telepova-Texier, M. (2019). Reproductive strategies of *Phalaenopsis* (the 7th International Orchid Conservation Congress «Orchid Conservation - the Next Generation» Kew Gardens, England).
10. Kharchenko, V., Sherbakov, Telepova-Texier, M., Sigidienco, V., and Sigidienco, L.I. (2019). Heterochrony in the development of plant reproductive shoots (Congress of the Vavilov Society of Genetics and Breeders Saint Petersburg State University, New Peterhof - Saint-Petersbourg, Russia).
11. Le Guillou, Zanetta, Brearley, Zanda, B., Leroux, H., and Hewins, R. (2019). Amorphous Silicates in Carbonaceous and Ordinary Chondrites.
12. Mouri, O., Ezzine, N., Parizot, C., Piarroux, R., and Gay, F. (2019). La cytométrie en flux?: un outil prédictif de la chimiosensibilité du parasite *Leishmania* (Rennes).
13. Mouro, R., Favreau, A., Aboud, R., Gzara, F., and Kish, A. (2019a). Reasons to get salty (EANA , Orléans, FRANCE).
14. Mouro, R., Favreau, A., Aboud, R., Gzara, F., Zirah, S., Yepremian, C., Marie, Franzetti, B., Girard, E., Guyot, F., et al. (2019b). FossilsALIVE (CNRS X-Life Journée de Restitution, Paris, FRANCE).
15. Pons, S. (2019). Preliminary prospective study of veno-arterial extracorporeal membrane oxygenation device's bacterial colonization (au congrès de l'European Society of Intensive Care Medicine).
16. Saint Martin, J.-P., Frau, C., Saint Martin, S., and Mazières, B. (2019). L'ambre crétacé du massif de la Sainte-Baume (Var, France) (Aix-en-Provence).
17. Sharma, S., Humayun, M., Hewins, R., Zanda, B., Gattacceca, J., Sognzoni, C., and Sillitoe-Kukas, S. (2019). Elemental abundances in the metal of Los Vientos 263 - an anomalous pallasite formed in a reduced environment.
18. Sillitoe-Kukas, S., Humayun, M., Hewins, R., Zanda, B., Moser, D., Arcuri, G., Irving, A., and Lorand, J. (2019a). Ancient martian polymict breccias: the origin of the spherules.
19. Sillitoe-Kukas, S., Humayun, M., Hewins, R., Zanda, B., Moser, D., Arcuri, G., Irving, A., and Lorand, J. (2019b). Spherules in the martian polymict breccias. I: Origin and internal chemical zoning.
20. Telepova-Texier, M. (2019). Intraspecific diversity of *Angraecum*. Proceeding of 8th Conf. «Hidden species and intraspecific diversity» (Bot. Garden of N.V. Tsitsin RAS, Moscou, Russia).
21. Telepova-Texier, M., and Kharchenko, V. (2019). True staminodes of *Cypripedioideae* (the 7th International Orchid Conservation Congress «Orchid Conservation - the Next Generation» Kew Gardens, England).

### Thèses :

1. Levy, D. (2019). Minéralogie et composition isotopique des phases d'altération des premières roches du Système Solaire.
2. Mauran, G. (2019). Apports méthodologiques à la caractérisation des matières colorantes?: application à l'abri orné de Leopard Cave (Erongo, Namibie).
3. Rabeau, L. (2019). Diversity and evolution in liverwort genus *Riccia* (Ricciaceae, Marchantiidae): integrative and phylogenetic approaches with a focus on southern Africa and western Indian Ocean. MNHN.
4. Saouli, N. (2019). Etude taxonomique de quelques endémiques de Labiatae?: cas du complexe *Satureja*. L'Université Ferhat Abbas Sétif 1, Faculté des Sciences de la nature et de la vie, Département de Biologie et Écologie végétale.

### Rapports de stage :

1. Cabral, M. (2019). Etude comparée du comportement de nettoyage des organes sensoriels chez la crevette hydrothermale *Rimicaris exoculata* et la crevette côtière *Palaemon serratus*. Master 1, Gestion de l'Environnement, Parcours Gestion des Milieux Aquatiques Restauration et Conservation (GEMAREC). Université de Lorraine.
2. Delcour, E. (2019). Etude du comportement de nettoyage des organes olfactifs chez la crevette côtière *Palaemon serratus*. Licence 3, Licence Science, technologie et Santé, Mention Sciences de la Vie. Sorbonne Université.
3. Kapandji, N. (2019). Etude prospective de la colonisation bactérienne des capteurs de pression intracrânienne. DES d'Anesthésie – Réanimation. Paris
4. Malarewicz, V. (2019). Mesure de l'épaisseur des rims à grains fins dans deux chondrites carbonées particulières?: des pistes pour mieux comprendre l'accrétion ou les modifications intervenues sur les astéroïdes parents. Master 1 Planétologie et Exploration Spatiale MNHN.
5. Marme, A. (2019). Etude par microscopie électronique des communautés bactériennes associées à différentes espèces de cyanobactéries Master 1 EPNS, spécialité « Mécanismes du vivant et Environnement ». MNHN.
6. Meunier, M. (2019). Étude de la diversité des Eliurus (Rodentia, Nesomyidae) subfossiles de la Province de Mahajanga (Nord-Ouest Madagascar) Master 2. MNHN.
7. Nachawati, T. (2019). Caractérisation pétrographique et chimique de standards de référence pour Spectromètre de Masse à Ions secondaires NanoSIMS. Licence Sciences et Technologie – Mention Chimie. Université Cergy-Pontoise.
8. Vettor, T. (2019). Caractérisation du marbre dans le bâti Délien Master 2 Génie Pétrolier. MNHN.

### Rapports divers :

1. Cecalupo, A., and Perugia, I. (2019a). New Species of Cerithiopsidae from the Philippines and Samoa Islands (Caenogastropoda: Triphoroidea). *Visaya* 5, 19–34.
2. Cecalupo, A., and Perugia, I. (2019b). Report from Bangka Pulau (Indonesia): Cerithiopsidae. *Malacologico* 55, 11–22.
3. Duranton, M., and Genachte-Le Bail, A. (2019). Collage n°9 (Centre national des arts plastiques: Institut National du Patrimoine (INP)).
4. Gaillard, F. (2019). Impact de l'acidification océanique sur la biologie et la calcification de l'ormeau Européen *Haliotis tuberculata*.
5. Genachte-Le Bail, A. (2019). Le triangle (Musée d'art moderne et contemporain de Saint-Etienne (Loire): Institut National du Patrimoine (INP)).
6. Genachte-Le Bail, A., and Mirabaud, S. (2019). Portrait de Guillaume Mathieu, architecte (Musée des Beaux-Arts, Orléans (Loiret): Institut National du Patrimoine (INP)).
7. Pleurdeau, D. (2019). Mission archéologique en Namibie.
8. Sbrana, C., and Siragusa, B. (2019). *Skenea costulata* a new mediterranean species of Skeneidae (Gastropoda, Vetigasteropoda), with notes on the genus. *Bolletino Malacol.* 54.