

Publications ou communications réalisées avec d'autres Zones Ateliers.

Publications ou communications réunissant plusieurs laboratoires et disciplines de la ZAM.

2015-Communications invitées colloque national

1. GUEROLD F. Fonctionnement écologique des têtes de bassins versants - décomposition de la matière organique Têtes de bassin. Colloque « comment concilier les enjeux sur ces territoires hors du commun ? » Paris, 4 & 5 mars 2015. Conférence invitée.
2. BANAS D., GAILLARD J., LAZARTIGUES A., THOMAS M., DAUCHY X., FEIDT C. Répercussions des étangs extensifs lorrains (France) sur la qualité de l'eau. Colloque APDRA Pisciculture Paysanne (Association Pisciculture et Développement Rural en Afrique). Nancy, 27-29 Août 2015.

2015-Communications colloque international

1. ABUHELOU F., LORGEUX C., MANSUY-HUAULT L., MONTARGES-PELLETIER E., THOMAS F. Occurrence and distribution of polycyclic aromatic compounds in the river of a past industrial valley: from sediments to availability in water. ISPAC Bordeaux, France, 13-17 September 2015.
2. ADOUANI N., ZHANG Y., ASSAAD A., PONS M.N. Characterization of hyporheic DOM by optical methods, Ecohydrology, Lyon, septembre 2015.
3. ANDREĀ J, PAIN-DEVIN S, BOUQUEREL J, FELTEN V, DEVIN S, GIAMBÉRINI L, GUÉROLD F, Assessing the effects of silver nanoparticles on the ecophysiology and ecology of *Gammarus roeseli*. SEFS 9, Genève, Suisse 5-10 juillet 2015.
4. ANDREĀ J, BOUQUEREL J S, PAIN-DEVIN, L, GIAMBERINI, F, GUEROLD Impacts of environmentally realistic silver nanoparticle exposure on *Gammarus roeseli* (Crustacea Amphipoda) from individual to functional levels. SETAC Europe 25th Annual Meeting, Barcelona, Spain, May 2015.
5. BELLANGER X., GUILLOTEAU H., SCORNEC H., MERLIN C. Exploring plasmid-based dissemination of antibiotic resistance genes in environmental matrices. 3rd International symposium on the environmental dimension of antibiotic resistance (EDAR3). Wernigerode/Germany, May 17-21, 2015.
6. BERTRAND C, POIRIER L., ZALOUK-VERGNOUX A., CHATEL A., AUFFAN M., TELLA M., PERREIN-ETTAJANI H., MOUNEYRAC C., DEVIN S., GIAMBERINI L. Influence of salinity on fate and behaviour of silver representative nanofabricated nanomaterials and toxicity effects in two endobenthic bivalves *Scrobicularia plana* and *Corbicula fluminea*. SETAC Europe 25th Annual Meeting Barcelona, Spain, , May 2015,
7. CORNUT J., DANGER M., DEVIN S., FELTEN F., FILELLA M., FOUILLET M., GUÉROLD F., MANOURY-DANGER F., MBA EKOMO V., MOUNIER D. , RODRÍGUEZ-MURILLO J. PERNET-COUDRIER B., SPITONI M. How well can commonly-used metrics describe the effect of watershed-level land-uses on aquatic natural organic matter? 9th symposium for European Freshwater Sciences. Geneva 5-10 July 2015.
8. CRENIER C., ARCE FUNCK J., BEC A., FELTEN V., GUÉROLD F., LEFLAIVE J., PERRIÈRE F., DANGER M. Benthic algae ensure the survival and growth of a detritivorous invertebrate in detritus-based headwater streams. 9th symposium for European Freshwater Sciences. Geneva 5-10 July 2015.
9. DANGER, M., ARCE FUNCK, J., CRENIER, C., FELTEN, V. High food quality increase the detrimental effects of cadmium on the detritivore, *Gammarus fossarum*. SEFS 9 - Symposium for European Freshwater Sciences, Geneva, Switzerland, July 5-10, 2015.
10. DANGER, M., ARCE FUNCK, J., CRENIER, C., FELTEN, V. Counter intuitive effects of resource elemental content on the response of the detritivore, *Gammarus fossarum*, to metallic contamination. CoBS – Conference on Biological Stoichiometry, Peterborough, Canada, June 23-26, 2015.
11. DOUSSET S., VALLEE R., BILLET D. Pilot-scale wetlands to assess impacts of water flow on pesticide removal from drainage water. Symposium Pesticide Chemistry, Piacenza, Italy. 2-4 septembre 2015.

12. FELTEN V., MAUNOURY-DANGER F., FRAYSSE F., COSIN PONCE M., DEDOURGE-GEFFARD O., GEFFARD A., GUÉROLD F., DANGER M. *Functional, behavioral, and physiological effects of metal contaminated litters on aquatic ecosystems. 9th symposium for European Freshwater Sciences. Geneva 5-10 July 2015.*
13. FIORENTINO A., MERLIN C., RIZZO L. Inactivation and mutagenicity of antibiotic resistant *Salmonella* after disinfection by UV-C radiation and TiO₂ photocatalysis. 4th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP4). Athens (Greece), October 21-24, 2015.
14. FOUR B., ARCE FUNK E., DANGER M., THOMAS M., BANAS D. Biological and functional effects of fishponds on headwater streams: first results for a better understanding of interactions between lentic and lotic systems. 9th Symposium for European Freshwater Sciences, Geneva, Switzerland, July 5-10, 2015.
15. GARAUD, M., S. DEVIN, V. FELTEN, M. AUFFAN, C. BERTRAND, C. PAGNOUT, S. PAIN-DEVIN, F. RODIUS, B. SOHM, P. ROUSSELLE, M. TELLA, P. WAGNER, L. GIAMBERINI Integrated discriminant biomarker analysis as a tool to reveal the effects of metallic nanoparticles on the freshwater mussel *Dreissena polymorpha* following mesocosm exposures SETAC Europe 25th Annual Meeting, May 2015, Barcelona, Spain.
16. GOSSELIN F., MATHIEU L., CARTERET C., BLOCK J.-C., JORAND F.P.A. Assessment of low magnetic electric fields on drinking water biofilms, Biofilms in drinking water systems - From treatment to tap, Arosa, Switzerland. IWA Specialized Conference. 23-26. August 2015.
17. GROSS E. M., NUTTENS A., PAROSHIN D., HUSSNER A. Sensitive response of sediment-grown *Myriophyllum spicatum* to environmentally relevant arsenic pollution under different carbon availability. SETAC Europe 25th Annual Meeting, Barcelona, Spain, May 2015.
18. GROSS E. M., NUTTENS A., CHATELLIER S., HUSSNER A. Do pollutants affect the elemental composition and stoichiometry of the new OECD test organism *Myriophyllum spicatum*? 14th Aquatic Plant Symposium, Edinburgh, Scotland, September 2015.
19. GROSS E. M., FALL S. D., BA A., KIRCHEN M., DANGER M., PELTRE M., POUPIN P., ROUSSELLE P., WAGNER P., GUEROLD F. Does ecological stoichiometry explain proliferation events of *Ranunculus* spp. in upland rivers? 14th Aquatic Plant Symposium, Edinburgh, Scotland, September 2015.
20. KANBAR H., MONTARGES-PELLETIER E., MANSUY-HUAULT L., BAUER A., LOSSON B., MANCEAU L., KAZPARD V., EL SAMRANI A., KOMEISSI A., VILLIERAS F. *Evolution of Zn and Fe in contaminated river sediments: geochemical variation along river linear and vertical profile. Lebanese Association for the Advancement of Sciences, Beyrouth, Liban, 15-17 avril 2015.*
21. KANBAR H., MONTARGES-PELLETIER E., MANSUY-HUAULT L., BAUER A., LOSSON B., MANCEAU L., KAZPARD V., EL SAMRANI A., KOMEISSI A., VILLIERAS F. *Evolution of Zn and Fe in contaminated river sediments: geochemical variation along river linear and vertical profile. EGU Vienna 14-17 Avril 2015.*
22. KHDHIRI H., POTIER O., LECLERC J.P., LEMAITRE C., PONS M.N., Oxygenation in water cascades: experiments and modelling, Ecohydrology 2015, Lyon, septembre 2015.
23. KHDHIRI H., POTIER O., LECLERC J.P., LEMAITRE C., Modeling of aeration over stepped cascades, European Congress of Chemical Engineering, ECCE 10, Nice 27 September - 1 October 2015.
24. LAURAIN V., GILSON M., BENOÎT M. *Identifying dynamical models of nitrate propagation in agricultural drinking water: How can we help agronomists? 17th IFAC Symposium on System Identification, SYSID 2015, Octobre 2015, Beijing, China, <https://hal.archives-ouvertes.fr/hal-01208329>.*
25. LE MEUR M., MONTARGES-PELLETIER E., GLEY R., BAUER A., MIGOT S., MANSUY-HUAULT L., LORGEUX C., RAZAFITIANAMAHARAVO, VILLIERAS F. *Suspended particulate composition: evolution along a river linear and influence of regime flow EGU Vienna 14-17 Avril 2015.*
26. LE MEUR M., MONTARGES-PELLETIER E., VANTELON D., BAUER A., GLEY R., LE PAPE P., BRIOIS V., FONDA E., VILLIERAS F. Zn K-edge XAFS for the study of river material reactivity towards metals. XAFS16 Karlsruhe, Allemagne 23-27 août 2015.
27. LIBRALATO, G P. ROUSSELLE, B. YON, L. GIAMBERINI, D.A. VIGNATI Effects of nFe0 on growth of the alga *Pseudokirchneriella subcapitata* SETAC Europe 25th Annual Meeting, , Barcelona, Spain. May 2015.
28. MANAIA C.M., FATTA-KASSINOS D., RIZZO L., SCHWARTZ T., CYTRYN E., MERLIN C., KREUZINGER N., MACEDO G., BECERRA-CASTRO C., CACACE D*, DULIO V., SLOBODNIK J., BERENDONK T.U.

First surveillance data on selected antibiotic resistance determinants and mobile genetic elements from WWTP effluents throughout Europe. FEMS 6th congress of European Microbiologist. Maastricht (Netherlands), June 7-11, 2015.

29. MATHIEU L., FRANCIUS G., BLOCK J.-C. Chlorination of drinking water biofilms: a time-limited benefit? Conference: IWA Specialized Conference "Biofilms in drinking water systems - From treatment to tap", Arosa, Switzerland, 23- 26 August 2015.
30. MEHENNAOUI, K, A. GEORGANTZOPOULOU, M. GARAUD, J. ANDREĀ, V. FELTEN, T. SERCHI, S. CONTAL, J. ZIEBEL, Y.L. BALACHANDRAN, BHARATHIAR S. PAIN-DEVIN, L. GIAMBÉRINI, A.C. GUTLEB Effects of different sizes of silver nanoparticles on *Gammarus fossarum* (Crustacea, Amphipoda): Link between physiological and behavioural responses, SETAC Europe 25th Annual Meeting, Barcelona, Spain, May 2015.
31. MERLIN C., BELLANGER X., GUILLOTEAU H., BREUIL B. Exploring plasmid-based dissemination of antibiotic resistance genes in environmental matrices. SETAC (Society of Environmental Toxicology and Chemistry) Europe 25th annual meeting. Barcelona (Spain), May 3-7, 2015.
32. MOUSSOH A.F., ASSAAD A., PONS M.N., LECLERC J.P. Validation of CFD simulations of flow behavior in fish ponds scale using numerical and experimental Residence Time Distribution (RTD) measurements. ECCE10 + ECAB3 + EPIC5, Nice (France) 27 September - 1 October 2015.
33. PONS M.N., NAMOUR P., BREIL P., MARMONIER P., GUÉROLD P., GUIBAUD G., *Oxygen profile in the hyporheic zone : wooden stake methodology improvement, Ecohydrology, Lyon, septembre 2015.*
34. PONS M.N. Relations between organic carbon and chemical/biological oxygen demands in French rivers, IS. Rivers, Lyon, Juin 2015.
35. PONS MN, MERLIN C. *Database mining to evaluate antibiotic resistance hotspot risk in the French section of the Mosel watershed, SETAC 25th Annual Meeting, Barcelone, Mai 2015.*
36. PONS M.N., DASLE M., PONTVIANNE S., GUÉROLD F., WAGNER P., LEGOUT A., POLLIER B., *Characterization of dissolved organic matter in Vosges Mountains headwaters, Ecohydrology, Lyon, septembre 2015.*
37. POTET M, J. ANDREĀ, B. MARCHAL, M. GARAUD, S. DEVIN, V. FELTEN, L. GIAMBERINI, F. GUEROLD, S. PAIN-DEVIN MultiXenobiotic Resistance (MXR) vs Nanoparticles: is MXR a good biomarker of exposure? A study with zebra mussels and gammarids exposed to silver and titanium dioxide nanoparticles. SETAC Europe 25th Annual Meeting, Barcelona, Spain, May 2015.
38. RAVALET Q., LORGEUX C., MANSUY-HUAULT L., MONTARGES-PELLETIER E., BAUER A, KANBAR H., CATTELOIN D., LOSSON B., BILLARD P. *Occurrence and distribution of polycyclic aromatic compounds in the river: a heritage of steel industry. ISPAC Bordeaux, France, 13-17 septembre 2015.*

2015-Communications à un colloque national

1. ADOUANI N., ZHANG Y. PONS M.N., CADE M., BOISSON, J. Les zones de rejet végétalisées : Crainvilliers, un exemple lorrain, 94^{ème} Congrès ASTEE, Montauban, juin 2015.
2. BAUER A., Développement sur carte LinkitOne : instrumentation d'un cours d'eau, JDEV2015, Bordeaux, 30 juin – 3 juillet 2015.
3. CADEL S. S., PY J. S., PIQUET C., MOURY F., GASSILLOU B., LAILLER R. Rapid screening of epidemiologically important Salmonella enterica subsp. enterica serotypes by Matrix-Assisted Laser Desorption Ionization–Time of Flight (MALDI-TOF) mass spectrometry. 11^{ème} Congrès de la Société Française de Microbiologie. Paris, 23-25 mars 2015.
4. COLIN M., BERTRAND I., VARBANOV M. Mise en évidence des adénovirus infectieux dans les stades précoces de l'infection virale : étude comparative des méthodes de détection, Paris, France. XVII^{ème} Journées Francophones de Virologie, 9-10 avril 2015.
5. DAUCHY, X. Composés per- et polyfluorés (PFAS) dans les eaux: origines, connaissances environnementales et toxicologiques, exemples de dissémination en France. Journée Scientifique et Technique de l'ASTEE. Avranches, 25 juin 2015.
6. DAUCHY, X. La contamination du Rhône par les perfluorés : quels enjeux pour la ressource en eau potable? Journée Eau et Connaissance : Contamination chimique des milieux aquatiques. Lyon, 27 novembre 2015.

7. DOUSSET, S., BARAN N., DAUCHY X., SCHOTT F.-X., PALLEZ C. *Fonctionnement hydraulique et efficacité des zones humides construites à épurer les eaux de drainage agricole. 45ème Congrès du Groupe Français des Pesticides. Versailles, 27-29 mai 2015.*
8. GAULLIER, C., DOUSSET S., BARAN N., DAUCHY X., SCHOTT F.-X., PALLEZ C. *Fonctionnement hydraulique et efficacité des zones humides construites à épurer les eaux de drainage agricole. 45ème Congrès du Groupe Français des Pesticides. Versailles, 27-29 mai 2015.*
9. HARTARD C., RIVET R., BANAS S., BELLANGER X., GANTZER C. Du fondamental à l'appliqué, Montpellier, Colloque Interactions Phages-Bactéries, 19 & 20 novembre 2015.
10. LOSSON B., MONTARGES-PELLETIER E., KANBAR H., MANCEAU L., DELUS C., BAUER A., MANSUY-HUAULT L. *Dépôts sédimentaires dans la partie industrielle de l'Orne. 3ième Colloque des Zones Ateliers, Paris, 14 - 16 octobre 2015.*
11. MANSUY-HUAULT L., LOSSON B., DELUS C., LORGEUX C., MERLIN C., MATHIEU L., GANTZER C., ARNOULD P.-Y., BILLARD P., CEBRON A., CLOQUET C., CHESNOT T., MONTARGES-PELLETIER E. *Site Atelier de l'Orne, ancienne rivière sidérurgique en Lorraine. 3ième Colloque des Zones Ateliers, Paris, 14 - 16 octobre 2015.*
12. MONTARGES-PELLETIER E., KANBAR H., LORGEUX C., RAVALET Q., MERLIN C., BILLARD P., CEBRON A., LOSSON B., MANCEAU L., BAUER A., MANSUY-HUAULT L. *Les sédiments de l'Orne, pollution héritée. 3ième Colloque des Zones Ateliers, Paris, 14 - 16 octobre 2015.*
13. PAILLERY, L., PY J. S., WILHELM A., RION E., GASILLOUD B. Impact des conditions de culture de bactéries recherchées dans le cadre de contrôle sanitaire des eaux et du mode opératoire utilisé pour les identifier sur les résultats générés par spectrométrie de masse MALDI-TOF. 11ème Congrès de la Société Française de Microbiologie. Paris, 23-25 mars 2015.
14. PASQUINI L. Micropolluants issus de l'activité domestique dans les eaux urbaines et leur devenir en station d'épuration. Journée scientifique des Laboratoires de l'Anses. Maisons-Alfort, 6 novembre 2015.
15. PONS M.N., HOUOT S., PRADEL M., TIBI A. Les gisements de matières fertilisantes d'origine résiduaire. Etat des lieux et perspectives. 94ème Congrès ASTEE, Montauban, juin 2015.
16. PONS M.N., BREIL P., NAMOUR P., MARMONIER P., VIENNEY A., GUIBAUD G., GUEROLD F., WAGNER P., MONTARGES-PELLETIER E., *Des baguettes de bois pour la caractérisation de la zone hyporhéique ? 3ième Colloque des Zones Ateliers, Paris, 14 - 16 octobre 2015.*
17. PONS M.N., DASLE M., POLLIER B., LEGOUT A., WAGNER P., GUEROLD F., GRAILLOT D., HISSLER C., IFFLY J.F., *Caractérisation de la matière organique dissoute de ruisseaux de tête de bassin, 3ième Colloque des Zones Ateliers, Paris, 14 - 16 octobre 2015.*
18. ROSIN C. Micropolluants émergents : actualité dans les ressources et les réseaux d'eau en France. Journée Scientifique et Technique de l'ASTEE. Avranches, 25 juin 2015.

2015-Séminaire international

1. MERLIN C. The environmental mobilome, Action COST (European Cooperation in Science and Technology) ES1403: «New and emerging challenges and opportunities in wastewater reuse (NEREUS) » - Barcelone, Spain, 7-8 mai. 2015.
2. MERLIN C. Exploring the compartmentalization of antibiotic resistance elements in the river ecosystem: preliminary results from the French project MOBISED, Action COST (European Cooperation in Science and Technology) ES1403: «New and emerging challenges and opportunities in wastewater reuse (NEREUS) » - Luxembourg, 29-30 octobre 2015.
3. PONS M.N., ZAHRAA O., BANEGAS E., HARTMANN J., DILL P. Immobilized photocatalysis of hair dyes, Action COST (European Cooperation in Science and Technology) ES1403 : «New and emerging challenges and opportunities in wastewater reuse (NEREUS) » - Barcelone, Spain, 7-8 mai 2015.
4. PONS M.N. Effect of conventional wastewater treatment processes on contaminants of emerging concern, Action COST (European Cooperation in Science and Technology) ES1403 : «New and emerging challenges and opportunities in wastewater reuse (NEREUS) » - Luxembourg, 29-30 October 2015.

2015-Autres retours vers la société

1. VALLEE R., DOUSSET S., BENOIT M., SCHOTT FX., MUNOZ JF. Efficacité de zones tampons humides à réduire les teneurs en pesticides des eaux de drainage. Zones Humides Infos, n° 86-87, 2015.