

Les publications 2017 de la ZAS

Tabbagh A., Cheviron B., Henine H., Guerin R., Bechkit M.-A. (2017) Numerical determination of vertical water flux based on soil temperature profiles. *Advances in Water Resources* 105, 217–226.
DOI : 10.1016/j.advwatres.2017.05.003

Yin X., Kersebaum K.C., Kollas C., Manevski K., Baby S., Beaudoin N., Ozturk I., Gaiser T., Wu L., Hoffmann M., Charfeddine M., Conradt T., Constantin J., Ewert F., de Cortazar-Atauri I.G., Giglio L., Hlavinka P., Hoffmann H., Launay M., Louarn G., Manderscheid R., Mary B., Mirschel W., Nende C., Pacholskin A., Palosuo T., Ripoche-Wachter D., Roetter R.P., Ruget F., Sharif B., Trnka M., Ventrella D., Weigel H.-J., Olesen J.E. (2017) Performance of process-based models for simulation of grain N in crop rotations across Europe. *Agricultural Systems* 154, 63–77. DOI : 10.1016/j.agrosy.2017.03.005

Cayuela M.L., Aguilera E., Sanz-Cobena A., Adams D.C., Abalos D., Barton L., Ryals R., Silver W.L., Alfaro M.A., Pappa V.A., Smith P., Garnier, J. Billen G., Bouwman L., Bondeau A., Lassaletta L. (2017) Direct nitrous oxide emissions in Mediterranean climate cropping systems: Emission factors based on a meta-analysis of available measurement data. *Agriculture Ecosystems & Environment* 238, 25–35. DOI : 10.1016/j.agee.2016.10.006

Sanz-Cobena, A., Lassaletta, L., Aguilera, E., del Prado, A., Garnier, J., Billen, G., Iglesias, A., Sanchez, B., Guardia, G., Abalos, D., Plaza-Bonilla, D., Puigdueta-Bartolome, I., Moral, R., Galan, E., Arriaga, H., Merino, P., Infante-Amate, J., Mejide, A., Pardo, G., Alvaro-Fuentes, J., Gilsanz, C., Baez, D., Doltra, J., Gonzalez-Ubierna, S., Cayuela, M.L., Menendez, S., Diaz-Pines, E., Le-Noe, J., Quemada, M., Estelles, F., Calvet, S., van Grinsven, H.J.M., Westhoek, H., Sanz, M.J., Gimeno, B.S., Vallejo, A., Smith, P. (2017) Strategies for greenhouse gas emissions mitigation in Mediterranean agriculture: A review. *Agriculture Ecosystems & Environment* 238, 5–24.
DOI :10.1016/j.agee.2016.09.038

Vigan A., Lasseur J., Benoit M., Mouillot F., Eugene M., Mansard L., Vigne M., Lecomte P., Dutilly C. (2017) Evaluating livestock mobility as a strategy for climate change mitigation: Combining models to address the specificities of pastoral systems. *Agriculture Ecosystems & Environment* 242, 89–101. DOI : 10.1016/j.agee.2017.03.020

Hong Y., Bonhomme C., Soheilian B., Chebbo G. (2017) Effects of using different sources of remote sensing and geographic information system data on urban stormwater 2D-1D modeling. *Applied Sciences-Basel* 7, 904. DOI : 10.3390/app7090904

Coulibaly S.F.M., Coudrain V., Hedde M., Brunet N., Mary B., Recous S., Chauvat M. (2017) Effect of different crop management practices on soil Collembola assemblages: A 4-year follow-up. *Applied Soil Ecology* 119, 354–366. DOI : 10.1016/j.apsoil.2017.06.013

Lee S.-H., Lee M.-C., Puthumana J., Park J.C., Kang S., Hwang D.-S., Shin K.-H., Park H.G., Souissi S., Om A.-S., Lee J.-S., Han J. (2017) Effects of salinity on growth, fatty acid synthesis, and expression of stress response genes in the cyclopoid copepod *Paracyclopsina nana*. *Aquaculture* 470, 182–189. DOI : 10.1016/j.aquaculture.2016.12.037

Pan Y.-J., Souissi A., Hwang J.-S., Souissi S. (2017) Artificially cold-induced quiescent egg viability of the tropical copepod *Acartia bilobata* (Copepoda, Calanoida). *Aquaculture Research* 48, 1974–1979. DOI : 10.1111/are.12968

Roy M.L., Le Pichon C. (2017) Modelling functional fish habitat connectivity in rivers: A case study for prioritizing restoration actions targeting brown trout. *Aquatic Conservation-Marine and Freshwater Ecosystems* 27, 927–937. DOI :10.1002/aqc.2786

Thouron L., Seigneur C., Kim, Y., Legorgeu, C., Roustan, Y., Bruge, B. (2017) Simulation of trace metals and PAH atmospheric pollution over Greater Paris: Concentrations and deposition on urban surfaces. *Atmospheric Environment* 167, 360–376. DOI : 10.1016/j.atmosenv.2017.08.027

Peyrard, C., Ferchaud, F., Mary, B., Grehan, E., Leonard, J. (2017) Management practices of *Miscanthus x giganteus* strongly influence soil properties and N₂O emissions over the long term. *Bioenergy Research* 10, 208–224. DOI : 10.1007/s12155-016-9796-1

Zapater, M., Catterou, M., Mary, B., Ollier, M., Fingar, L., Mignot, E., Ferchaud, F., Strullu, L., Dubois, F., Brancourt-Hulmel, M. (2017) A single and robust critical nitrogen dilution curve for *Miscanthus x giganteus* and *Miscanthus sinensis*. *Bioenergy Research* 10, 115–128. DOI :10.1007/s12155-016-9781-8

Arias A.H., Souissi A., Glippa O., Roussin M., Dumoulin D., Net S., Ouddane B., Souissi S. (2017) Removal and biodegradation of phenanthrene, fluoranthene and pyrene by the marine algae *Rhodomonas baltica* enriched from North Atlantic coasts. *Bulletin of Environmental Contamination and Toxicology* 98, 392–399. DOI : 10.1007/s00128-016-1967-4

Dinh Q.T., Moreau-Guigon E., Labadie P., Alliot F., Teil M.-J., Blanchard M., Chevreuil M. (2017) Occurrence of antibiotics in rural catchments. *Chemosphere* 168, 483–490. DOI :10.1016/j.chemosphere.2016.10.106

Boulange-Lecomte C., Xuereb B., Tremolet G., Duflot A., Giusti N., Olivier S., Legrand E., Forget-Leray J. (2017) Controversial use of vitellogenin as a biomarker of endocrine disruption in crustaceans: New adverse pieces of evidence in the copepod *Eurytemora affinis*. *Comparative Biochemistry and Physiology C-Toxicology & Pharmacology* 201, 66–75. DOI :10.1016/j.cbpc.2017.09.011

Chatel A., Mouneyrac C. (2017) Signaling pathways involved in metal-based nanomaterial toxicity towards aquatic organisms. *Comparative Biochemistry and Physiology C-Toxicology & Pharmacology* 196, 61–70. DOI : 10.1016/j.cbpc.2017.03.014

Sahin C., Verney R., Sheremet A., Voulgaris G. (2017) Acoustic backscatter by suspended cohesive sediments: Field observations, Seine Estuary, France. *Continental Shelf Research* 134, 39–51. DOI : 10.1016/j.csr.2017.01.003

Bouleau G., Marchal P.-L., Meybeck M., Lestel L. (2017) The political construction of surface water quality commensuration in France: from the equivalent-inhabitant to the good status (1959–2013). *Développement Durable & Territoires* 8 (1) DOI : 10.4000/developpementdurable.11580

Le, T.P.Q., Dao, V.N., Rochelle-Newall, E., Garnier, J., Lu, X., Billen, G., Duong, T.T., Ho, C.T., Etcheber, H., Nguyen, T.M.H., Nguyen, T.B.N., Nguyen, B.T., Le, N.D., Pham, Q.L. (2017) Total organic carbon fluxes of the Red River system (Vietnam). *Earth Surface Processes and Landforms* 42, 1329–1341. DOI : 10.1002/esp.4107

Mander U., Tournebize J., Sauvage S., Sanchez-Perez J.M. (2017) Wetlands and buffer zones in watershed management. *Ecological Engineering* 103, 289–295. DOI : 10.1016/j.ecoleng.2016.12.005

- Mander U., Tournebize J., Tonderski K., Verhoeven J.T.A., Mitsch W.J. (2017) Planning and establishment principles for constructed wetlands and riparian buffer zones in agricultural catchments. *Ecological Engineering* 103, 296–300. DOI : 10.1016/j.ecoleng.2016.12.006
- Tournebize J., Chaumont C., Mander U. (2017) Implications for constructed wetlands to mitigate nitrate and pesticide pollution in agricultural drained watersheds. *Ecological Engineering* 103, 415–425. DOI : 10.1016/j.ecoleng.2016.02.014
- Bertrand C., Devin S., Mouneyrac C., Giamberini L. (2017) Eco-physiological responses to salinity changes across the freshwater-marine continuum on two euryhaline bivalves: *Corbicula fluminea* and *Scrobicularia plana*. *Ecological Indicators* 74, 334–342. DOI : 10.1016/j.ecolind.2016.11.029
- Carre C., Meybeck M., Esculier F. (2017) The Water Framework Directive's "percentage of surface water bodies at good status": unveiling the hidden side of a "hyperindicator." *Ecological Indicators* 78, 371–380. DOI : 10.1016/j.ecolind.2017.03.021
- Kadiene E.U., Bialais C., Ouddane B., Hwang J.-S., Souissi S. (2017) Differences in lethal response between male and female calanoid copepods and life cycle traits to cadmium toxicity. *Ecotoxicology* 26, 1227–1239. DOI : 10.1007/s10646-017-1848-6
- Barjhoux I., Clerandau C., Le Menach K., Anschutz P., Gonzalez P., Budzinski H., Morin, B., Baudrimont M., Cachot J. (2017) A comprehensive study of the toxicity of natural multi-contaminated sediments: New insights brought by the use of a combined approach using the medaka embryo-larval assay and physico-chemical analyses. *Ecotoxicology and Environmental Safety* 142, 509–521. DOI : 10.1016/j.ecoenv.2017.04.059
- Evariste L., Rioult D., Brousseau P., Geffard A., David E., Auffret M., Fournier M., Betouille S. (2017) Differential sensitivity to cadmium of immunomarkers measured in hemocyte subpopulations of zebra mussel *Dreissena polymorpha*. *Ecotoxicology and Environmental Safety* 137, 78–85. DOI : 10.1016/j.ecoenv.2016.11.027
- Soulignac F., Vincon-Leite B., Lemaire B.J., Scarati Martins J.R., Bonhomme C., Dubois P., Mezemate Y., Tchiguirinskaia I., Schertzer D., Tassin B. (2017) Performance assessment of a 3D hydrodynamic model using high temporal resolution measurements in a shallow urban lake. *Environmental Modeling & Assessment* 22, 309–322. DOI : 10.1007/s10666-017-9548-4
- Hong Y., Bonhomme C., Van den Bout B., Jetten V., Chebbo G. (2017) Integrating atmospheric deposition, soil erosion and sewer transport models to assess the transfer of traffic-related pollutants in urban areas. *Environmental Modelling & Software* 96, 158–171. DOI : 10.1016/j.envsoft.2017.06.047
- Gismondi E., Thome J.-P., Urien N., Uher E., Baiwir D., Mazzucchelli G., De Pauw E., Fechner L.C., Lebrun J.D. (2017) Ecotoxicoproteomic assessment of the functional alterations caused by chronic metallic exposures in gammarids. *Environmental Pollution* 225, 428–438. DOI : 10.1016/j.envpol.2017.03.006
- Michalec, F.-G., Holzner, M., Barras, A., Lacoste, A.-S., Brunet, L., Lee, J.-S., Slomianny, C., Boukherroub, R., Souissi, S. (2017) Short-term exposure to gold nanoparticle suspension impairs swimming behavior in a widespread calanoid copepod. *Environmental Pollution* 228, 102–110. DOI : 10.1016/j.envpol.2017.04.084

Dris, R., Gasperi, J., Mirande, C., Mandin, C., Guerrouache, M., Langlois, V., Tassin, B. (2017) A first overview of textile fibers, including microplastics, in indoor and outdoor environments. *Environmental Pollution* 221, 453–458. DOI : 10.1016/j.envpol.2016.12.013

Dairon, R., Dutertre, A., Tournebize, J., Marks-Perreau, J., Carluer, N. (2017) Long-term impact of reduced tillage on water and pesticide flow in a drained context. *Environmental Science and Pollution Research* 24, 6866–6877. DOI : 10.1007/s11356-016-8123-x

Daniele, G., Fieu, M., Joachim, S., Bado-Nilles, A., Beaudouin, R., Baudoin, P., James-Casas, A., Andres, S., Bonnard, M., Bonnard, I., Geffard, A., Vulliet, E. (2017) Determination of carbamazepine and 12 degradation products in various compartments of an outdoor aquatic mesocosm by reliable analytical methods based on liquid chromatography-tandem mass spectrometry. *Environmental Science and Pollution Research* 24, 16893–16904. DOI : 10.1007/s11356-017-9297-6

Maes, V., Betoulle, S., Geffard, A., Vettier, A., David, E. (2017) Aerobic and anaerobic energy production in juvenile roach (*Rutilus rutilus*): regulation of glycolytic process by ethofumesate at two temperatures. *Environmental Science and Pollution Research* 24, 6853–6865.
DOI :10.1007/s11356-016-6661-x

Oziol, L., Alliot, F., Botton, J., Bimbot, M., Huteau, V., Levi, Y., Chevreuil, M. (2017) First characterization of the endocrine-disrupting potential of indoor gaseous and particulate contamination: comparison with urban outdoor air (France). *Environmental Science and Pollution Research* 24, 3142–3152. DOI : 10.1007/s11356-016-8045-7

Dauvin, J.-C., Lucas, S., Navon, M., Lesourd, S., Mear, Y., Poizot, E., Alizier, S. (2017) Does the hydrodynamic, morphometric and sedimentary environment explain the structure of soft-bottom benthic assemblages in the Eastern Bay of Seine (English Channel)? *Estuarine Coastal and Shelf Science* 189, 156–172. DOI : 10.1016/j.ecss.2017.03.014

Le Pichon, C., Coustillas, J., Zahm, A., Bunel, M., Gazeau-Nadin, C., Rochard, E. (2017) Summer use of the tidal freshwaters of the River Seine by three estuarine fish: Coupling telemetry and GIS spatial analysis. *Estuarine Coastal and Shelf Science* 196, 83–96. DOI : 10.1016/j.ecss.2017.06.028

Yin, X., Kersebaum, K.C., Kollas, C., Baby, S., Beaudoin, N., Manevski, K., Palosuo, T., Nendel, C., Wu, L., Hoffmann, M., Hoffmann, H., Sharif, B., Armas-Herrera, C.M., Bindi, M., Charfeddine, M., Conradt, T., Constantin, J., Ewert, F., Ferrise, R., Gaiser, T., de Cortazar-Atauri, I.G., Giglio, L., Hlavinka, P., Lana, M., Launay, M., Louarn, G., Manderscheid, R., Mary, B., Mirschel, W., Moriondo, M., Oeztuerk, I., Pacholski, A., Riponche-Wachter, D., Roetter, R.P., Ruget, F., Trnka, M., Ventrella, D., Weigel, H.-J., Olesen, J.E. (2017) Multi-model uncertainty analysis in predicting grain N for crop rotations in Europe. *European Journal of Agronomy* 84, 152–165. DOI : 10.1016/j.eja.2016.12.009

Ben Cheikh, Y., Travers, M.-A., Le Foll, F. (2017) Infection dynamics of a *V. splendidus* strain pathogenic to *Mytilus edulis*: In vivo and in vitro interactions with hemocytes. *Fish & Shellfish Immunology* 70, 515–523. DOI : 10.1016/j.fsi.2017.09.047

Le Pichon C., Tales E., Belliard J., Torgersen C.E. (2017) Spatially intensive sampling by electrofishing for assessing longitudinal discontinuities in fish distribution in a headwater stream. *Fisheries Research* 185, 90–101. DOI : 10.1016/j.fishres.2016.09.026

Tedesco C., Petit C., Billen G., Garnier J., Personne E. (2017) Potential for recoupling production and consumption in peri-urban territories: The case-study of the Saclay plateau near Paris, France. *Food Policy* 69, 35–45. DOI : 10.1016/j.foodpol.2017.03.006

- Anglade J., Billen G., Garnier J. (2017) Restoring water quality in cash-crop regions via organic agriculture and renewed links with livestock farming. *Fourrages* 231, 257–268.
- Chaix G., Roger F., Berthe T., Lamy B., Jumas-Bilak E., Lafite R., Forget-Leray J., Petit, F. (2017) Distinct aeromonas populations in water column and associated with copepods from estuarine environment (Seine, France). *Frontiers in Microbiology* 8, 1259. DOI : 10.3389/fmicb.2017.01259
- Petit, F., Clermont, O., Delannoy, S., Servais, P., Gourmelon, M., Fach, P., Oberle, K., Fournier, M., Denamur, E., Berthe, T. (2017) Change in the structure of *Escherichia coli* population and the pattern of virulence genes along a rural aquatic continuum. *Frontiers in Microbiology* 8, UNSP 609. DOI : 10.3389/fmicb.2017.00609
- Zidour, M., Chevalier, M., Belguesmia, Y., Cudennec, B., Grard, T., Drider, D., Souissi, S., Flahaut, C. (2017) Isolation and characterization of bacteria colonizing *Acartia tonsa* copepod eggs and displaying antagonist effects against *Vibrio anguillarum*, *Vibrio alginolyticus* and other pathogenic strains. *Frontiers in Microbiology* 8, UNSP 1919. DOI : 10.3389/fmicb.2017.01919
- Vidal A., Quenea, K., Alexis, M., Nguyen Tu, T.T., Mathieu, J., Vaury, V., Derenne, S. (2017) Fate of C-13 labelled root and shoot residues in soil and anecic earthworm casts: A mesocosm experiment. *Geoderma* 285, 9–18. DOI : 10.1016/j.geoderma.2016.09.016
- Kayvantash D., Cojan I., Kissel C., Franke C. (2017) Magnetic fingerprint of the sediment load in a meander bend section of the Seine River (France). *Geomorphology* 286, 14–26. DOI : 10.1016/j.geomorph.2017.02.020
- Pfeffer, J., Spada, G., Memin, A., Boy, J.-P., Allemand, P. (2017) Decoding the origins of vertical land motions observed today at coasts. *Geophysical Journal International* 210, 148–165. DOI : 10.1093/gji/ggx142
- Mueller N.D., Lassaletta L., Runck B.C., Billen G., Garnier J., Gerber J.S. (2017) Declining spatial efficiency of global cropland nitrogen allocation. *Global Biogeochemical Cycles* 31, 245–257. DOI : 10.1002/2016GB005515
- Raimonet M., Cloern J.E. (2017) Estuary-ocean connectivity: fast physics, slow biology. *Global Change Biology* 23, 2345–2357. DOI : 10.1111/gcb.13546
- Cousquer Y., Pryet A., Flipo N., Delbart C., Dupuy A. (2017) Estimating river conductance from prior information to improve surface-subsurface model calibration. *Groundwater* 55, 408–418. DOI : 10.1111/gwat.12492
- Guallar C., Bacher C., Chapelle A. (2017) Global and local factors driving the phenology of *Alexandriurn minutum* (Halim) blooms and its toxicity. *Harmful Algae* 67, 44–60. DOI : 10.1016/j.hal.2017.05.005
- Lema, K.A., Latimier, M., Nezan, E., Fauchot, J., Le Gac, M. (2017) Inter and intra-specific growth and domoic acid production in relation to nutrient ratios and concentrations in Pseudo-nitzschia: phosphate an important factor. *Harmful Algae* 64, 11–19. DOI : 10.1016/j.hal.2017.03.001
- Thorel, M., Claquin, P., Schapira, M., Le Gendre, R., Riou, P., Goux, D., Le Roy, B., Raimbault, V., Deton-Cabanillas, A.-F., Bazin, P., Kientz-Bouchart, V., Fauchot, J. (2017) Nutrient ratios influence variability in Pseudo-nitzschia species diversity and particulate domoic acid production in the Bay of Seine (France). *Harmful Algae* 68, 192–205. DOI : 10.1016/j.hal.2017.07.005

Flanagan K., Tedoldi D., Branchu P., Gromaire M.-C. (2017) Characterization of the behavior of a sustainable urban drainage system treating road runoff through hydrologic modeling and soil contamination cartography. *Houille Blanche-Revue Internationale de l'Eau* 5–13.

DOI :10.1051/lhb/2017016

Le Coz M., Chambord S., Meire P., Maris T., Azemar F., Ovaert J., Buffan-Dubau E., Kromkamp J.C., Sossou A.C., Prygiel J., Spronk G., Lamothe S., Ouddane B., Rabodon S., Net S., Dumoulin D., Peene J., Souissi S., Tackx M. (2017) Test of some ecological concepts on the longitudinal distribution of zooplankton along a lowland water course. *Hydrobiologia* 802, 175–198. DOI : 10.1007/s10750-017-3256-6

Sage J., Bonhomme C., Berthier E., Gromaire M.-C. (2017) Assessing the effect of uncertainties in pollutant wash-off dynamics in stormwater source-control systems modeling: consequences of using an inappropriate error model. *Journal of Environmental Engineering* 143, 04016077. DOI :10.1061/(ASCE)EE.1943-7870.0001163

Raimonet M., Cazier T., Rocher V., Laverman A.M. (2017) Nitrifying kinetics and the persistence of nitrite in the Seine River, France. *Journal of Environmental Quality* 46, 585–595. DOI :10.2134/jeq2016.06.0242

Massei N., Dieppois B., Hannah D.M., Lavers D.A., Fossa M., Laignel B., Debret M. (2017) Multi-time-scale hydroclimate dynamics of a regional watershed and links to large-scale atmospheric circulation: Application to the Seine river catchment, France. *Journal of Hydrology* 546, 262–275. DOI :10.1016/j.jhydro.2017.01.008

Abbas M., Jardani A., Ahmed A.S., Revil A., Brigaud L., Begassat P., Dupont J.P. (2017) Redox potential distribution of an organic-rich contaminated site obtained by the inversion of self-potential data. *Journal of Hydrology* 554, 111–127. DOI : 10.1016/j.jhydrol.2017.08.053

Michel C., Le Bot S., Druine F., Costa S., Levoy F., Dubrulle-Brunaud C., Lafite R. (2017) Stages of sedimentary infilling in a hypertidal bay using a combination of sedimentological, morphological and dynamic criteria (Bay of Somme, France). *Journal of Maps* 13, 858–865. DOI :10.1080/17445647.2017.1389663

Nassar R., Trivella A., Mokh S., Al-Iskandaran, M., Budzinski H., Mazellier P. (2017) Photodegradation of sulfamethazine, sulfamethoxypyridazine, amitriptyline, and clomipramine drugs in aqueous media. *Journal of Photochemistry and Photobiology a-Chemistry* 336, 176–182. DOI : 10.1016/j.jphotochem.2016.12.008

Commenges H., Tomasoni L., Seigneur C., Bonin O., Leurent F., Bonhomme C., Deroubaix J.-F. (2017) Who is the expert? Integrated urban modeling and the reconfiguration of expertise. *Journal of Urban Technology* 24, 89–108. DOI : 10.1080/10630732.2017.1284990

Kammann U., Akcha F., Budzinski H., Burgeot T., Gubbins M.J., Lang T., Le Menach K., Vethaak A.D., Hylland K. (2017) PAH metabolites in fish bile: From the Seine estuary to Iceland. *Marine Environmental Research* 124, 41–45. DOI : 10.1016/j.marenvres.2016.02.014

Morelle J., Schapira M., Claquin P. (2017) Dynamics of phytoplankton productivity and exopolysaccharide (EPS and TEP) pools in the Seine Estuary (France, Normandy) over tidal cycles over two contrasting seasons. *Marine Environmental Research*. 131:162-176

Chatel A., Bruneau M., Lievre C., Goupil A., Mouneyrac C. (2017) Spermatozoa: A relevant biological target for genotoxicity assessment of contaminants in the estuarine bivalve *Scrobicularia plana*. *Marine Pollution Bulletin* 116, 488–490. DOI : 10.1016/j.marpolbul.2016.12.062

Pezy, J.-P., Baffreau, A., Dauvin, J.-C., 2017a. What are the factors driving long-term changes of the suprabenthos in the Seine estuary? *Marine Pollution Bulletin* 118, 307–318.
DOI :10.1016/j.marpolbul.2017.03.008

Pezy J.-P., Raoux A., Marmin S., Balay P., Niquil N., Dauvin J.-C. (2017) Before-After analysis of the trophic network of an experimental dumping site in the eastern part of the Bay of Seine (English Channel). *Marine Pollution Bulletin* 118, 101–111. DOI : 10.1016/j.marpolbul.2017.02.042

Lienart C., Savoye N., Bozec Y., Breton E., Conan P., David V., Feunteun E., Grangere K., Kerherve P., Lebreton B., Lefebvre S., L'Helguen S., Mousseau L., Raimbault P., Richard P., Riera P., Sauriau P.-G., Schaal G., Aubert F., Aubin S., Bichon S., Boinet C., Bourasseau L., Breret M., Caparros J., Cariou T., Charlier K., Claquin P., Cornille V., Corre A.-M., Costes L., Crispi O., Crouvoisier M., Czamanski, M., Del Amo Y., Derriennic H., Dindinaud F., Durozier M., Hanquiez V., Nowaczyk A., Devesa J., Ferreira S., Fornier M., Garcia F., Garcia N., Geslin S., Grossteffan E., Gueux A., Guillaudeau J., Guillou G., Joly O., Lachaussee N., Lafont M., Lamoureux J., Lecuyer E., Lehodey J.-P., Lemeille D., Leroux, C., Mace, E., Maria, E., Pineau P., Petit, F., Pujo-Pay M., Rimelin-Maury P., Sultan E. (2017) Dynamics of particulate organic matter composition in coastal systems: A spatio-temporal study at multi-systems scale. *Progress in Oceanography* 156, 221–239.
DOI :10.1016/j.pocean.2017.03.001

Baffreau A., Pezy J.-P., Dancie C., Chouquet B., Hacquebart P., Poisson E., Foveau A., Joncourt Y., Duhamel S., Navon M., Marmin S., Dauvin, J.-C. (2017) Mapping benthic communities: An indispensable tool for the preservation and management of the eco-socio-system in the Bay of Seine. *Regional Studies in Marine Science* 9, 162–173. DOI : 10.1016/j.rsma.2016.12.005

Roose-Amsaleg C., Fedala Y., Venien-Bryan C., Garnier J., Boccaro A.-C., Boccaro M., (2017) Utilization of interferometric light microscopy for the rapid analysis of virus abundance in a river. *Research in Microbiology* 168, 413–418. DOI : 10.1016/j.resmic.2017.02.004

Augiseau, V., Barles, S., 2017. Studying construction materials flows and stock: A review. *Resources Conservation and Recycling* 123, 153–164. DOI :10.1016/j.resconrec.2016.09.002

Al Ali S., Bonhomme C., Dubois P., Chebbo G. (2017) Investigation of the wash-off process using an innovative portable rainfall simulator allowing continuous monitoring of flow and turbidity at the urban surface outlet. *Science of the Total Environment* 609, 17–26.
DOI :10.1016/j.scitotenv.2017.07.106

Deshayes S., Eudes V., Bigourie M., Droguet C., Moilleron R. (2017) Alkylphenol and phthalate contamination of all sources of greywater from French households. *Science of the Total Environment* 599, 883–890. DOI :10.1016/j.scitotenv.2017.05.038

Le Noe J., Billen G., Gamier J. (2017) How the structure of agro-food systems shapes nitrogen, phosphorus, and carbon fluxes: The generalized representation of agro-food system applied at the regional scale in France. *Science of the Total Environment* 586, 42–55.
DOI :10.1016/j.scitotenv.2017.02.040

Tian Y., Boulange-Lecomte C., Benamar A., Giusti-Petruciani N., Duflot A., Olivier S., Frederick C., Forget-Leray J., Portet-Koltalo F. (2017) Application of a crustacean bioassay to evaluate a multi-

contaminated (metal, PAH, PCB) harbor sediment before and after electrokinetic remediation using eco-friendly enhancing agents. *Science of the Total Environment* 607, 944–953.
DOI :10.1016/j.scitotenv.2017.07.094

Jeong C.-B., Kang H.-M., Lee M.-C., Kim D.-H., Han J., Hwang D.-S., Souissi S., Lee S.-J., Shin K.-H., Park H.G., Lee J.-S. (2017) Adverse effects of microplastics and oxidative stress-induced MAPK/Nrf2 pathway-mediated defense mechanisms in the marine copepod *Paracyclopsina nana*. *Scientific Reports* 7, 41323. DOI : 10.1038/srep41323

Dinh Q.T., Nguyen T.A., Moreau-Guigon E., Alliot F., Teil M.-J., Blanchard M., Chevreuil M., (2017) Trace-level determination of oxolinic acid and flumequine in soil, river bed sediment, and river water using microwave-assisted extraction and high-performance liquid chromatography with fluorimetric detection. *Soil & Sediment Contamination* 26, 247–258.
DOI :10.1080/15320383.2017.1276154

Mailler R., Gasperi J., Patureau D., Vulliet E., Delgenes N., Danel A., Deshayes S., Eudes, V., Guerin S., Moilleron R., Chebbo G., Rocher V. (2017) Fate of emerging and priority micropollutants during the sewage sludge treatment: Case study of Paris conurbation. Part 1: Contamination of the different types of sewage sludge. *Waste Management* 59, 379–393.
DOI :10.1016/j.wasman.2016.11.010

Mengual B., Le Hir P., Cayocca F., Garlan T. (2017) Modelling fine sediment dynamics: towards a common erosion law for fine sand, mud and mixtures. *Water* 9, UNSP 564.
DOI :10.3390/w9080564

Colas F., Baudoin J.-M., Gob F., Tamisier V., Valette L., Kreutzenberger K., Lambrigot D., Chauve, E. (2017) Scale dependency in the hydromorphological control of a stream ecosystem functioning. *Water Research* 115, 60–73. DOI : 10.1016/j.watres.2017.01.061