

## Publication record research focus 4 (2016- 2018)

July 2019

Total:	129
Articles in peer-reviewed journals	85
Articles in other journals	14
Monographs	6
Editorship of edited volumes	2
Individual contributions to edited volumes	19
Work and discussion papers	3

### Articles in peer-reviewed journals (85)

Abraham, M.<sup>CHE</sup>, L. Westphal, I. Hand, A. Lerz, J. Jeschek, D. Bunke<sup>GEO</sup>, T. Leipe<sup>GEO</sup> and D. Schulz-Bull<sup>CHE</sup> (2017). TBT and its metabolites in sediments: Survey at a German coastal site and the central Baltic Sea. **Mar. Poll. Bull.** **121**: 404-410, doi: 10.1016/j.marpolbul.2017.06.020 **FS4 CSS Coastal Seas and Society**

Allin, A., G. Schernewski<sup>KMP</sup>, R. Friedland<sup>KMP</sup>, T. Neumann<sup>PHY</sup> and H. Radtke<sup>PHY</sup> (2017). Climate change effects on denitrification and associated avoidance costs in three Baltic river basin - coastal sea systems. **J. Coast. Conserv.** **21**: 561-569, doi: 10.1007/s11852-017-0530-8 **FS4 CSS Coastal Seas and Society**

Alneberg, J., J. Sundh, C. Bennke<sup>BIO</sup>, S. Beier<sup>BIO</sup>, D. Lundin, L. W. Hugerth, J. Pinhassi, V. Kisand, L. Riemann, K. Jürgens<sup>BIO</sup>, M. Labrenz<sup>BIO</sup> and A. F. Andersson (2018). BARM and BalticMicrobeDB, a reference metagenome and interface to meta-omic data for the Baltic Sea. **Sci. Data** **5**: 180146, doi: 10.1038/sdata.2018.146 **FS4 CSS Coastal Seas and Society**

Ballini, F., A. I. Olcer, J. Brandt and D. Neumann<sup>CHE</sup> (2017). Health costs and economic impact of wind assisted ship propulsion. **Ocean Eng.** **146**: 477-485, doi: 10.1016/j.oceaneng.2017.09.014 **FS4 CSS Coastal Seas and Society**

Becherer, J.<sup>PHY</sup>, J. Hofstede, U. Gräwe<sup>PHY</sup>, K. Purkiani<sup>PHY</sup>, E. Schulz<sup>PHY</sup> and H. Burchard<sup>PHY</sup> (2018). The Wadden Sea in transition - consequences of sea level rise. **Ocean Dyn.** **68**: 131-151, doi: 10.1007/s10236-017-1117-5 **FS3 CES Changing Ecosystems; FS4 CSS Coastal Seas and Society**

Beisiegel, K.<sup>BIO</sup>, A. Darr<sup>BIO</sup>, M. Gogina<sup>BIO</sup> and M. L. Zettler<sup>BIO</sup> (2017). Benefits and shortcomings of non-destructive benthic imagery for monitoring hard-bottom habitats. **Mar. Poll. Bull.** **121**: 5-15, doi: 10.1016/j.marpolbul.2017.04.009 **FS4 CSS Coastal Seas and Society**

Beisiegel, K.<sup>BIO</sup>, A. Darr<sup>BIO</sup>, M. L. Zettler<sup>BIO</sup>, R. Friedland<sup>KMP</sup>, U. Gräwe<sup>PHY</sup> and M. Gogina<sup>BIO</sup> (2018). Understanding the spatial distribution of subtidal reef assemblages in the southern Baltic Sea

using towed camera platform imagery. **Estuar. Coast. Shelf Sci.** **207**: 82-92, doi: 10.1016/j.ecss.2018.04.006 **FS4 CSS Coastal Seas and Society**

Benneke, C. M.<sup>BIO</sup>, G. Reintjes, M. Schattenhofer, A. Ellrott, J. Wulf, M. Zeder and B. M. Fuchs (2016). Modification of a high-throughput automatic microbial cell enumeration system for shipboard analyses. **Appl. Environ. Microbiol.** **82**: 3289-96, doi: 10.1128/aem.03931-15 **FS4 CSS Coastal Seas and Society**

Benneke, C. M.<sup>BIO</sup>, F. Pollehne<sup>BIO</sup>, A. Müller, R. Hansen, B. Kreikemeyer and M. Labrenz<sup>BIO</sup> (2018). The distribution of phytoplankton in the Baltic Sea assessed by a prokaryotic 16S rRNA gene primer system. **J. Plankton Res.** **40**: 244-254, doi: 10.1093/plankt/fby008 **FS4 CSS Coastal Seas and Society**

Berthold, M., D. Zimmer<sup>DIR</sup>, V. Reiff and R. Schumann (2018). Phosphorus contents re-visited after 40 years in muddy and sandy sediments of a temperate lagoon system. **Front. Mar. Sci.** **5**: 305, doi: 10.3389/fmars.2018.00305 **FS4 CSS Coastal Seas and Society**

Böttcher, M. E.<sup>GEO</sup>, J. Fiebig and H. Strauss (2016). Tales of mystery and imagination in stable isotope geochemistry: celebrating the 75th birthday of Jochen Hoefs. **Isot. Environ. Health Stud.** **52**: 1-11, doi: 10.1080/10256016.2015.1114934 **FS1 SMP Small- and meso-scale processes; FS2 BED Basin-scale Ecosystem Dynamics; FS3 CES Changing Ecosystems; FS4 CSS Coastal Seas and Society**

Böttcher, M. E.<sup>GEO</sup> and U. Flenker (2018). The what, where, how and who? Crime time and mass discrimination. **Isot. Environ. Health Stud.** **54**: 446-448, doi: 10.1080/10256016.2018.1430032 **FS4 CSS Coastal Seas and Society**

Buer, A.-L.<sup>KMP</sup>, G. Gyraite<sup>KMP</sup>, P. Wegener, X. Lange<sup>PHY</sup>, M. Katarzyte<sup>KMP</sup>, G. Hauk and G. Schernewski<sup>KMP</sup> (2018). Long term development of Bathing Water Quality at the German Baltic coast: spatial patterns, problems and model simulations. **Mar. Poll. Bull.** **135**: 1055-1066, doi: 10.1016/j.marpolbul.2018.08.048 **FS4 CSS Coastal Seas and Society**

Doong, D.-J., J.-P. Peng<sup>PHY</sup> and Y.-C. Chen (2018). Development of a warning model for coastal freak wave occurrences using an artificial neural network. **Ocean Eng.** **169**: 270-280, doi: 10.1016/j.oceaneng.2018.09.029 **FS4 CSS Coastal Seas and Society**

Feldens, P.<sup>GEO</sup> (2017). Sensitivity of texture parameters to acoustic incidence angle in multibeam backscatter. **IEEE Geosci. Remote Sens. Lett.** **14**: 2215-2219, doi: 10.1109/LGRS.2017.2756258 **FS4 CSS Coastal Seas and Society**

Feldens, P.<sup>GEO</sup>, I. Schulze<sup>GEO</sup>, S. Papenmeier, M. Schönke<sup>GEO</sup> and J. Schneider von Deimling (2018). Improved interpretation of marine sedimentary environments using multi-frequency multibeam backscatter data. **Geosciences** **8**: 214, doi: 10.3390/geosciences8060214 **FS4 CSS Coastal Seas and Society**

Felgentreu, L.<sup>CHE</sup>, G. Nausch<sup>CHE</sup>, F. Bitschofsky<sup>BIO</sup>, M. Nausch<sup>BIO</sup> and D. Schulz-Bull<sup>CHE</sup> (2018). Colorimetric chemical differentiation and detection of phosphorus in eutrophic and high particulate waters: Advantages of a new monitoring approach. **Front. Mar. Sci.** **5**: 212, doi: 10.3389/fmars.2018.00212 **FS4 CSS Coastal Seas and Society**

Fisch, K.<sup>CHE</sup>, J. J. Waniek<sup>CHE</sup>, M. Zhou, Z. Xia and D. E. Schulz-Bull<sup>CHE</sup> (2017). Antibiotics in three Chinese coastal systems: Huangpu River, East China Sea, Pearl River Estuary. **J. Aquat. Poll. Toxicol.** **1**: 13 **FS4 CSS Coastal Seas and Society**

Franco, S. C., C. B. Augustin<sup>BIO</sup>, A. J. Geffen and M. T. Dinis (2017). Growth, egg production and hatching success of *Acartia tonsa* cultured at high densities. **Aquaculture** **468, Part 1**: 569-578, doi: 10.1016/j.aquaculture.2016.10.044 **FS4 CSS Coastal Seas and Society**

Fritzsche, E., P. Gruber, S. Schutting, J. P. Fischer, M. Strobl, J. D. Müller<sup>CHE</sup>, S. M. Borisov and I. Klimant (2017). Highly sensitive poisoning-resistant optical carbon dioxide sensors for environmental monitoring. **Anal. Methods** **9**: 55-65, doi: 10.1039/C6AY02949C **FS4 CSS Coastal Seas and Society**

Gillgren, C., J. G. Støttrup, J. Schumacher<sup>KMP</sup> and G. E. Dinesen (2018). Working together: collaborative decision making for sustainable Integrated Coastal Management (ICM). **J. Coast. Conserv.**: online, doi: 10.1007/s11852-018-0631-z **FS4 CSS Coastal Seas and Society**

Gogina, M.<sup>BIO</sup>, C. Morys, S. Forster, U. Gräwe<sup>PHY</sup>, R. Friedland<sup>KMP</sup> and M. L. Zettler<sup>BIO</sup> (2017). Towards benthic ecosystem functioning maps: quantifying bioturbation potential in the German part of the Baltic Sea. **Ecol. Indic.** **73**: 574-588, doi: 10.1016/j.ecolind.2016.10.025 **FS2 BED Basin-scale Ecosystem Dynamics; FS4 CSS Coastal Seas and Society**

Gomes-Pereira, J. N., V. Auger, K. Beisiegel<sup>BIO</sup>, R. Benjamin, M. Bergmann, D. Bowden, P. Buhl-Mortensen, F. C. De Leo, G. Dionísio, J. M. Durden, L. Edwards, A. Friedman, J. Greinert, N. Jacobsen-Stout, S. Lerner, M. Leslie, T. W. Nattkemper, J. A. Sameoto, T. Schoening, R. Schouten, J. Seager, H. Singh, O. Soubigou, I. Tojeira, I. van den Beld, F. Dias, F. Tempera and R. S. Santos (2016). Current and future trends in marine image annotation software. **Prog. Oceanogr.** **149**: 106-120, doi: 10.1016/j.pocean.2016.07.005 **FS4 CSS Coastal Seas and Society**

Gorokhova, E., M. Lehtiniemi, L. Postel<sup>BIO</sup>, G. Rubene, C. Amid, J. Lesutiene, L. Uusitalo, S. Strake and N. Demereckiene (2016). Indicator properties of Baltic zooplankton for classification of environmental status within Marine Strategy Framework Directive. **PLoS One** **11**: e0158326, doi: 10.1371/journal.pone.0158326 **FS4 CSS Coastal Seas and Society**

Habedank, F., M. Abraham<sup>CHE</sup>, H. Tardel, F. Feldhusen and D. E. Schulz-Bull<sup>CHE</sup> (2017). Determination of organophosphate pesticides in sea and surface water with ultrasound-assisted dispersive liquid-liquid micro-extraction coupled to GC-MS/MS analysis. **Int. J. Environ. Anal. Chem.** **97**: 818-830, doi: 10.1080/03067319.2017.1361944 **FS4 CSS Coastal Seas and Society**

Haseler, M.<sup>KMP</sup>, G. Schernewski<sup>KMP</sup>, A. Balciunas and V. Sabaliauskaite (2018). Monitoring methods for large micro- and meso-litter and applications at Baltic beaches. **J. Coast. Conserv.** **22**: 27-50, doi: 10.1007/s11852-017-0497-5 **FS4 CSS Coastal Seas and Society**

Hassler, B., K. Gee, M. Gilek, A. Luttmann<sup>KMP</sup>, A. Morf, F. Saunders, I. Stalmokaite, H. Strand and J. Zaucha (2018). Collective action and agency in Baltic Sea marine spatial planning: Transnational policy coordination in the promotion of regional coherence. **Mar. Policy** **92**: 138-147, doi: 10.1016/j.marpol.2018.03.002 **FS4 CSS Coastal Seas and Society**

Heinrich, C., P. Feldens<sup>GEO</sup> and K. Schwarzer (2017). Highly dynamic biological seabed alterations revealed by side scan sonar tracking of *Lanice conchilega* beds offshore the island of Sylt (German Bight). **Geo-Mar. Lett.** **37**: 289-303, doi: 10.1007/s00367-016-0477-z **FS4 CSS Coastal Seas and Society**

Hettwer, K., M. Jähne, K. Frost, M. Giersberg, G. Kunze, M. Trimborn, M. Reif, J. Türk, L. Gehrman, F. Dardenne, F. De Croock, M. Abraham<sup>CHE</sup>, A. Schoop, J. J. Waniek<sup>CHE</sup>, T. Bucher, E. Simon, E. Vermeirssen, A. Werner, K. Hellauer, U. Wallentits, J. E. Drewes, D. Dietzmann, E. Routledge, N. Beresford, T. Zietek, M. Siebler, A. Simon, H. Bielak, H. Hollert, Y. Müller, M. Harff, S. Schiwy, K. Simon and S. Uhlig (2018). Validation of *Arxula* Yeast Estrogen Screen assay for detection of estrogenic activity in water samples: Results of an international interlaboratory study. **Sci. Total Environ.** **621**: 612-625, doi: 10.1016/j.scitotenv.2017.11.211 **FS4 CSS Coastal Seas and Society**

Hofstede, J. L. A., J. Becherer<sup>PHY</sup> and H. Burchard<sup>PHY</sup> (2018). Are Wadden Sea tidal systems with a higher tidal range, more resilient against sea level rise? **J. Coast. Conserv.** **22**: 71-78, doi: 10.1007/s11852-016-0469-1 **FS4 CSS Coastal Seas and Society**

Inácio, M.<sup>KMP</sup>, G. Schernewski<sup>KMP</sup>, Y. Nazemtseva, E. Baltranaitė, R. Friedland<sup>KMP</sup> and J. Benz (2018). Ecosystem services provision today and in the past: a comparative study in two Baltic lagoons. **Ecol. Res.** **33**: 1255-1274, doi: 10.1007/s11284-018-1643-8 **FS4 CSS Coastal Seas and Society**

Ivar do Sul, J. A.<sup>BIO</sup>, A. S. Tagg<sup>BIO</sup> and M. Labrenz<sup>BIO</sup> (2018). Exploring the common denominator between microplastics and microbiology: a scientometric approach. **Scientometrics** **117**: 2145-2157, doi: 10.1007/s11192-018-2936-y **FS4 CSS Coastal Seas and Society**

Janßen, H.<sup>KMP</sup>, F. Bastardie, M. Eero, K. G. Hamon, H.-H. Hinrichsen, P. Marchal, J. R. Nielsen, O. Le Pape, T. Schulze, S. Simons, L. R. Teal and A. Tidd (2018). Integration of fisheries into marine spatial planning: Quo vadis? **Estuar. Coast. Shelf Sci.** **201**: 105-113, doi: 10.1016/j.ecss.2017.01.003 **FS4 CSS Coastal Seas and Society**

Janßen, H.<sup>KMP</sup>, R. Varjopuro, A. Luttmann<sup>KMP</sup>, A. Morf and H. Nieminen (2018). Imbalances in interaction for transboundary marine spatial planning: Insights from the Baltic Sea region. **Ocean Coastal Manage.** **161**: 201-210, doi: 10.1016/j.ocecoaman.2018.05.008 **FS4 CSS Coastal Seas and Society**

Jay, S., T. Klenke and H. Janßen<sup>KMP</sup> (2016). Consensus and variance in the ecosystem approach to marine spatial planning: German perspectives and multi-actor implications. **Land Use Policy** **54**: 129-138, doi: 10.1016/j.landusepol.2016.02.015 **FS4 CSS Coastal Seas and Society**

Kaiser, D.<sup>CHE</sup>, N. Kowalski<sup>CHE</sup> and J. J. Waniek<sup>CHE</sup> (2017). Effects of biofouling on the sinking behavior of microplastics. **Environ. Res. Lett.** **12**: 124003, doi: 10.1088/1748-9326/aa8e8b **FS4 CSS Coastal Seas and Society**

Kaiser, D.<sup>CHE</sup>, D. E. Schulz-Bull<sup>CHE</sup> and J. J. Waniek<sup>CHE</sup> (2018). Polycyclic and organochlorine hydrocarbons in sediments of the northern South China Sea. **Mar. Poll. Bull.** **137**: 668-676, doi: 10.1016/j.marpolbul.2018.10.039 **FS4 CSS Coastal Seas and Society**

Käppler, A., D. Fischer, S. Oberbeckmann<sup>BIO</sup>, G. Schernewski<sup>KMP</sup>, M. Labrenz<sup>BIO</sup>, K.-J. Eichhorn and B. Voit (2016). Analysis of environmental microplastics by vibrational microspectroscopy: FTIR, Raman or both? **Anal. Bioanal. Chem.** **408**: 8377-8391, doi: 10.1007/s00216-016-9956-3 **FS4 CSS Coastal Seas and Society**

Käppler, A., M. Fischer, B. M. Scholz-Böttcher, S. Oberbeckmann<sup>BIO</sup>, M. Labrenz<sup>BIO</sup>, D. Fischer, K.-J. Eichhorn and B. Voit (2018). Comparison of  $\mu$ -ATR-FTIR spectroscopy and py-GCMS as identification tools for microplastic particles and fibers isolated from river sediments. **Anal. Bioanal. Chem.** **410**: 5313-5327, doi: 10.1007/s00216-018-1185-5 **FS4 CSS Coastal Seas and Society**

Karnauskaitė, D.<sup>KMP</sup>, G. Schernewski<sup>KMP</sup>, J. Schumacher<sup>KMP</sup>, R. Grunert and R. Povilanskas (2018). Assessing coastal management case studies around Europe using an indicator based tool. **J. Coast. Conserv.** **22**: 549-570, doi: 10.1007/s11852-018-0597-x **FS4 CSS Coastal Seas and Society**

Karstens, S., C. Nazzari, C. Bâlon, M. Bielecka, Ž. Grigaitis, J. Schumacher<sup>KMP</sup>, N. Stybel and A. Razinkovas-Baziukas (2018). Floating wetlands for nutrient removal in eutrophicated coastal lagoons: Decision support for site selection and permit process. **Mar. Policy** **97**: 51-60, doi: 10.1016/j.marpol.2018.08.030 **FS4 CSS Coastal Seas and Society**

Kataržytė, M., J. Mėžinė, D. Vaičiūtė, S. Liaugaudaitė, K. Mukauskaitė, G. Umgiesser and G. Schernewski<sup>KMP</sup> (2018). Fecal contamination in shallow temperate estuarine lagoon: Source of the pollution and environmental factors. **Mar. Poll. Bull.** **133**: 762-772, doi: 10.1016/j.marpolbul.2018.06.022 **FS4 CSS Coastal Seas and Society**

Kesy, K.<sup>BIO</sup>, A. Hentzsch<sup>BIO</sup>, F. Klaeger<sup>BIO</sup>, S. Oberbeckmann<sup>BIO</sup>, S. Mothes and M. Labrenz<sup>BIO</sup> (2017). Fate and stability of polyamide-associated bacterial assemblages after their passage through the digestive tract of the blue mussel *Mytilus edulis*. **Mar. Poll. Bull.** **125**: 132-138, doi: 10.1016/j.marpolbul.2017.08.016 **FS4 CSS Coastal Seas and Society**

Kesy, K.<sup>BIO</sup>, S. Oberbeckmann<sup>BIO</sup>, F. Müller and M. Labrenz<sup>BIO</sup> (2016). Polystyrene influences bacterial assemblages in *Arenicola marina*-populated aquatic environments in vitro. **Environ. Poll.** **219**: 219-227, doi: 10.1016/j.envpol.2016.10.032 **FS4 CSS Coastal Seas and Society**

Kettner, M. T., K. Rojas-Jimenez, S. Oberbeckmann<sup>BIO</sup>, M. Labrenz<sup>BIO</sup> and H.-P. Grossart (2017). Microplastics alter composition of fungal communities in aquatic ecosystems. **Environ. Microbiol.** **19**: 4447-4459, doi: 10.1111/1462-2920.13891 **FS4 CSS Coastal Seas and Society**

Kowalski, N.<sup>CHE</sup>, A. M. Reichardt<sup>CHE</sup> and J. J. Waniek<sup>CHE</sup> (2016). Sinking rates of microplastics and potential implications of their alteration by physical, biological, and chemical factors. **Mar. Poll. Bull.** **109**: 310-319, doi: 10.1016/j.marpolbul.2016.05.064 **FS4 CSS Coastal Seas and Society**

Leinweber, P., U. Bathmann<sup>DIR</sup>, U. Buczko, C. Douhaire, B. Eichler-Löbermann, E. Frossard, F. Ekardt, H. Jarvie, I. Krämer<sup>DIR</sup>, C. Kabbe, B. Lennartz, P.-E. Mellander, G. Nausch<sup>CHE</sup>, H. Ohtake and J. Tränckner (2018). Handling the phosphorus paradox in agriculture and natural ecosystems: Scarcity, necessity, and burden of P. **Ambio** **47**: 3-19, doi: 10.1007/s13280-017-0968-9 **FS4 CSS Coastal Seas and Society**

Lemmen, C., R. Hofmeister, K. Klingbeil<sup>PHY</sup>, M. H. Nasermoaddeli, O. Kerimoglu, H. Burchard<sup>PHY</sup>, F. Kösters and K. W. Wirtz (2018). Modular System for Shelves and Coasts (MOSSCO v1.0) - a flexible and multi-component framework for coupled coastal ocean ecosystem modelling. **Geosci. Model Dev.** **11**: 915-935, doi: 10.5194/gmd-11-915-2018 **FS2 BED Basin-scale Ecosystem Dynamics; FS4 CSS Coastal Seas and Society**

Lenz, R.<sup>BIO</sup> and M. Labrenz<sup>BIO</sup> (2018). Small microplastic sampling in water: Development of an encapsulated filtration device. **Water** **10**: 1055, doi: 10.3390/w10081055 **FS4 CSS Coastal Seas and Society**

Luo, Z.-H., Y.-P. Yu, G. Jost<sup>BIO</sup>, W.-H. Liu, X.-L. Huang and L. Gu (2016). Characterization of two bacteriophages for specific treatment of biofilm formed by a *Vibrio* sp. isolated from an abalone farm. **Aquac. Res.** **47**: 3964-3972, doi: 10.1111/are.12846 **FS1 SMP Small- and meso-scale processes; FS4 CSS Coastal Seas and Society**

Meßner, U. and M. Zettler<sup>BIO</sup> (2018). The conquest (and avoidance?) of the brackish environment by Ponto-Caspian amphipods: A case study of the German Baltic Sea. **BiolInvasions Rec.** **7**: 269-278, doi: 10.3391/bir.2018.7.3.07 **FS4 CSS Coastal Seas and Society**

Monteiro, R. C. P., J. A. Ivar do Sul<sup>BIO</sup> and M. F. Costa (2018). Plastic pollution in islands of the Atlantic Ocean. **Environ. Poll.** **238**: 103-110, doi: 10.1016/j.envpol.2018.01.096 **FS4 CSS Coastal Seas and Society**

Nausch, M.<sup>BIO</sup>, J. Woelk, P. Kahle, G. Nausch<sup>CHE</sup>, T. Leipe<sup>GEO</sup> and B. Lennartz (2017). Phosphorus fractions in discharges from artificially drained lowland catchments (Warnow River, Baltic Sea). **Agric. Water Manage.** **187**: 77-87, doi: 10.1016/j.agwat.2017.03.006 **FS2 BED Basin-scale Ecosystem Dynamics; FS4 CSS Coastal Seas and Society**

Newton, A., A. C. Brito, J. D. Icely, V. Derolez, I. Clara, S. Angus, G. Schernewski<sup>KMP</sup>, M. Inácio<sup>KMP</sup>, A. I. Lillebø, A. I. Sousa, B. Béjaoui, C. Solidoro, M. Tomic, M. Cañedo-Argüelles, M. Yamamuro, S. Reizopoulou, H.-C. Tseng, D. Canu, L. Roselli, M. Maanan, S. Cristina, A. C. Ruiz-Fernández, R. F. d.

Lima, B. Kjerfve, N. Rubio-Cisneros, A. Pérez-Ruzafa, C. Marcos, R. Pastres, F. Pranovi, M. Snoussi, J. Turpie, Y. Tuchkovenko, B. Dyack, J. Brookes, R. Povilanskas and V. Khokhlov (2018). Assessing, quantifying and valuing the ecosystem services of coastal lagoons. **J. Nat. Conserv.** **44**: 50-65, doi: 10.1016/j.jnc.2018.02.009 **FS4 CSS Coastal Seas and Society**

Oberbeckmann, S.<sup>BIO</sup>, B. Kreikemeyer and M. Labrenz<sup>BIO</sup> (2018). Environmental factors support the formation of specific bacterial assemblages on microplastics. **Front. Microbiol.** **8**: 2709, doi: 10.3389/fmicb.2017.02709 **FS4 CSS Coastal Seas and Society**

Oberbeckmann, S.<sup>BIO</sup>, A. M. Osborn and M. B. Duhaime (2016). Microbes on a bottle: substrate, season and geography influence community composition of microbes colonizing marine plastic debris. **PLoS One** **11**: e0159289, doi: 10.1371/journal.pone.0159289 **FS4 CSS Coastal Seas and Society**

Primpke, S., M. Wirth<sup>CHE</sup>, C. Lorenz and G. Gerdtz (2018). Reference database design for the automated analysis of microplastic samples based on Fourier transform infrared (FTIR) spectroscopy. **Anal. Bioanal. Chem.** **410**: 5131-5141, doi: 10.1007/s00216-018-1156-x **FS4 CSS Coastal Seas and Society**

Reckhardt, A., M. Beck, J. Greskowiak, B. Schnetger, M. E. Böttcher<sup>GEO</sup>, M. Gehre and H.-J. Brumsack (2017). Cycling of redox-sensitive elements in a sandy subterranean estuary of the southern North Sea. **Mar. Chem.** **188**: 6-17, doi: 10.1016/j.marchem.2016.11.003 **FS1 SMP Small- and meso-scale processes; FS2 BED Basin-scale Ecosystem Dynamics; FS4 CSS Coastal Seas and Society**

Recknagel, C., P. Thelin, M. Abraham<sup>CHE</sup>, D. Schulz-Bull<sup>CHE</sup> and P. J. R. Sjöberg (2018). Using standard additions to improve extraction and quantification of inositol hexakisphosphate in sediment samples by ion chromatography electrospray ionization mass spectrometry. **Talanta** **188**: 192-198, doi: 10.1016/j.talanta.2018.05.072 **FS4 CSS Coastal Seas and Society**

Schernewski, G.<sup>KMP</sup>, A. Balciunas, D. Gräwe, U. Gräwe<sup>PHY</sup>, K. Klesse, M. Schulz, S. Wesnigk, D. Fleet, M. Haseler<sup>KMP</sup>, N. Möllman and S. Werner (2018). Beach macro-litter monitoring on southern Baltic beaches: results, experiences and recommendations. **J. Coast. Conserv.** **22**: 5-25, doi: 10.1007/s11852-016-0489-x **FS4 CSS Coastal Seas and Society**

Schernewski, G.<sup>KMP</sup>, E. Baltranaitė, M. Kataržytė, A. Balčiūnas, N. Čerkasova and J. Měžině (2017). Establishing new bathing sites at the Curonian Lagoon coast: an ecological-social-economic assessment. **J. Coast. Conserv.**: online, doi: 10.1007/s11852-017-0587-4 **FS4 CSS Coastal Seas and Society**

Schernewski, G.<sup>KMP</sup>, C. Bartel, N. Kobarg and D. Karnauskaite<sup>KMP</sup> (2018). Retrospective assessment of a managed coastal realignment and lagoon restoration measure: the Geltinger Birk, Germany. **J. Coast. Conserv.** **22**: 157-167, doi: 10.1007/s11852-017-0496-6 **FS4 CSS Coastal Seas and Society**

Schernewski, G.<sup>KMP</sup>, R. Friedland<sup>KMP</sup>, A.-L. Buer<sup>KMP</sup>, S. Dahlke, B. Drews, S. Höft, T. Klumpe, M. Schadach, J. Schumacher<sup>KMP</sup> and A. Zaiko (2018). Ecological-social-economic assessment of zebra-

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