

Supplementary Information

Structural diversity in early-stage biofilm formation on microplastics depends on environmental medium and polymer properties

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Content:

Figures S1- S4



Figure S1: Photographs of the sampling sites for the incubation media. a) Freshwater from an artificial pond (49°55'44.1" N; 11°34'60.0" E) and b) saltwater obtained from a marine aquaria facility. Photo Credit: Anja C. Stellwag, University of Bayreuth.

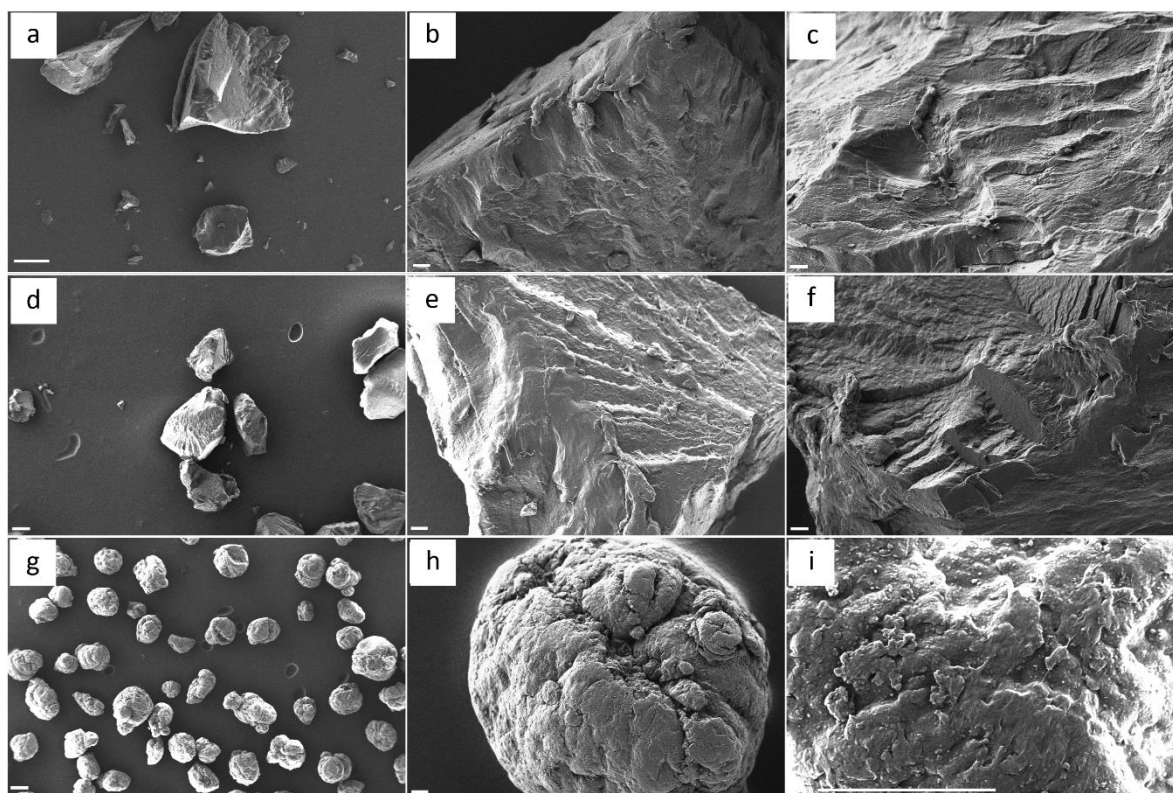


Figure S2: Scanning electron microscopy images of the three polymer raw materials. Surfaces of the PA fragments are shown from a-c, PET surfaces from d-f and the slightly rougher surface of PVC from g-i. Scale bars: a, d, g = 100μm, b, c, e, f, h, i = 10μm.

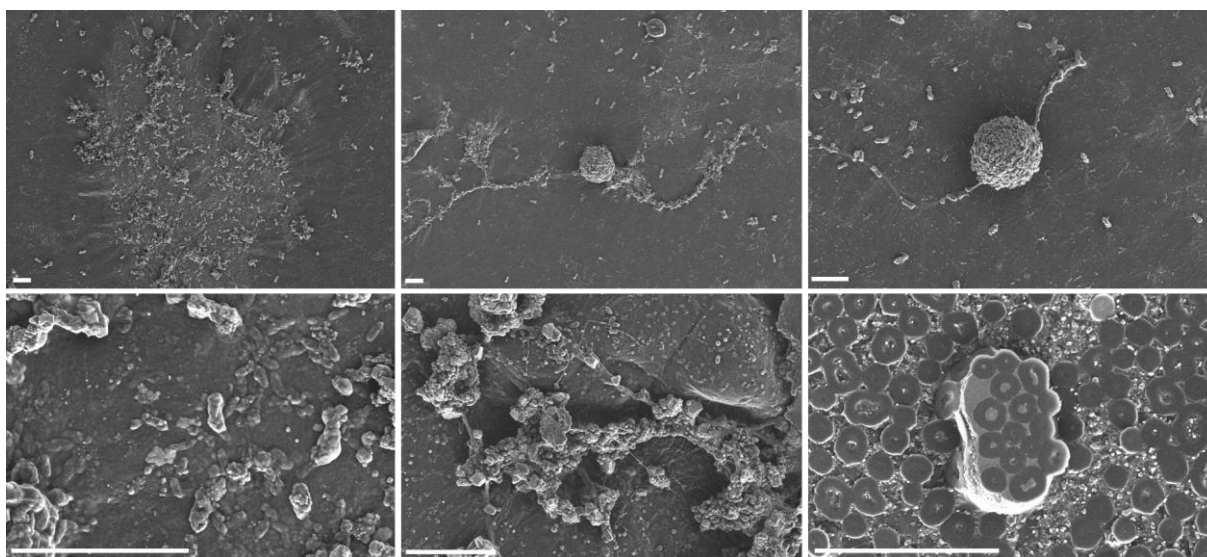


Figure S3: Scanning electron microscopy images of the freshwater incubation medium after evaporation of water. Images show microorganismal and non-microorganismal structures occurring in the freshwater incubation medium. Scale bars 10 μ m.

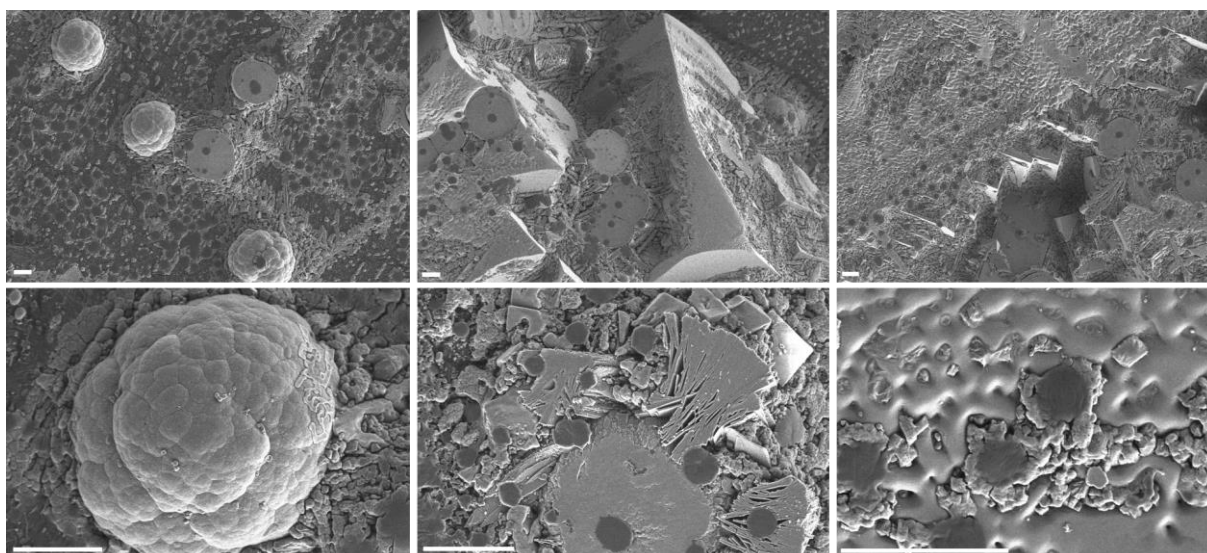


Figure S4: Scanning electron microscopy images of the saltwater incubation medium after evaporation of water. Images show microorganismal and non-microorganismal structures occurring in the freshwater incubation medium. Scale bars 10µm.