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# Author Correction: Tracing microplastics in aquatic environments based on sediment analogies

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Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-019-50508-2>, published online 23 October 2019

The original version of this Article contained typographical errors.

In the Abstract

“In Warnow estuarine sediments (Germany) we found significant correlations between high-density polymer size fractions ( $\geq 500 \mu\text{m}$ ) and sediment grain size.”

now reads:

“In Warnow estuarine sediments (Germany) we found significant correlations between high-density polymer size fractions ( $\geq 500 \mu\text{m}$ ) and sediment grain size.”

In the Results and Discussion section under the sub-heading “MP abundance and composition in the Warnow estuary”:

“The Baltic Sea opening had comparatively low abundances of  $2[2-2] \text{ kg}^{-1} \text{ DW}$  (S8, S9), whereas the Alter Strom (adjacent side arm of the Warnow estuary) revealed highest levels of  $379 \pm 28 \text{ g}^{-1} \text{ DW}$  ( $n = 3$ , S10) (Fig. 1A) of the area studied.”

now reads:

“The Baltic Sea opening had comparatively low abundances of  $2[2-2] \text{ kg}^{-1} \text{ DW}$  (S8, S9), whereas the Alter Strom (adjacent side arm of the Warnow estuary) revealed highest levels of  $379 \pm 28 \text{ g}^{-1} \text{ DW}$  ( $n = 3$ , S10) (Fig. 1A) of the area studied.”

In the Results and Discussion section under the sub-heading “Fractionation of MP species based on physical properties”:

“In the Alter Strom, fibres reached abundances of  $84 \pm 45 \text{ g}^{-1} \text{ DW}$ , roughly equalling particulate ordinary polymers.”

now reads:

“In the Alter Strom, fibres reached abundances of  $84 \pm 45 \text{ g}^{-1} \text{ DW}$ , roughly equalling particulate ordinary polymers.”

In the legend for Figure 1

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“Representative replicates ( $n = 3$ ) were available for station S2 and S10 amounting to  $78 \pm 10 \text{ g}^{-1}$  DW and  $379 \pm 28 \text{ g}^{-1}$  DW, respectively.”

now reads

“Representative replicates ( $n = 3$ ) were available for station S2 and S10 amounting to  $78 \pm 10 \text{ kg}^{-1}$  DW and  $379 \pm 28 \text{ kg}^{-1}$  DW, respectively.”

In the legend for Figure 2

“The black line indicates the transition from LD to HD polymers determined by the density of water ( $\sim 1 \text{ g cm}^{-3}$ ).”

now reads

“The black line indicates the transition from LD to HD polymers determined by the density of water ( $\sim 1 \text{ g cm}^{-3}$ ).”

These errors have now been corrected in the PDF and HTML versions of the Article.



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