



Heriot-Watt University
Research Gateway

Agglomeration of nano- and microplastic particles in seawater by autochthonous and de novo-produced sources of exopolymeric substances

Citation for published version:

Summers, S, Henry, T & Gutierrez, T 2018, 'Agglomeration of nano- and microplastic particles in seawater by autochthonous and de novo-produced sources of exopolymeric substances', *Marine Pollution Bulletin*, vol. 130, pp. 258-267. <https://doi.org/10.1016/j.marpolbul.2018.03.039>

Digital Object Identifier (DOI):

[10.1016/j.marpolbul.2018.03.039](https://doi.org/10.1016/j.marpolbul.2018.03.039)

Link:

[Link to publication record in Heriot-Watt Research Portal](#)

Document Version:

Peer reviewed version

Published In:

Marine Pollution Bulletin

Publisher Rights Statement:

© 2018 Elsevier B.V.

General rights

Copyright for the publications made accessible via Heriot-Watt Research Portal is retained by the author(s) and / or other copyright owners and it is a condition of accessing these publications that users recognise and abide by the legal requirements associated with these rights.

Take down policy

Heriot-Watt University has made every reasonable effort to ensure that the content in Heriot-Watt Research Portal complies with UK legislation. If you believe that the public display of this file breaches copyright please contact open.access@hw.ac.uk providing details, and we will remove access to the work immediately and investigate your claim.

Figures

Figure 1.

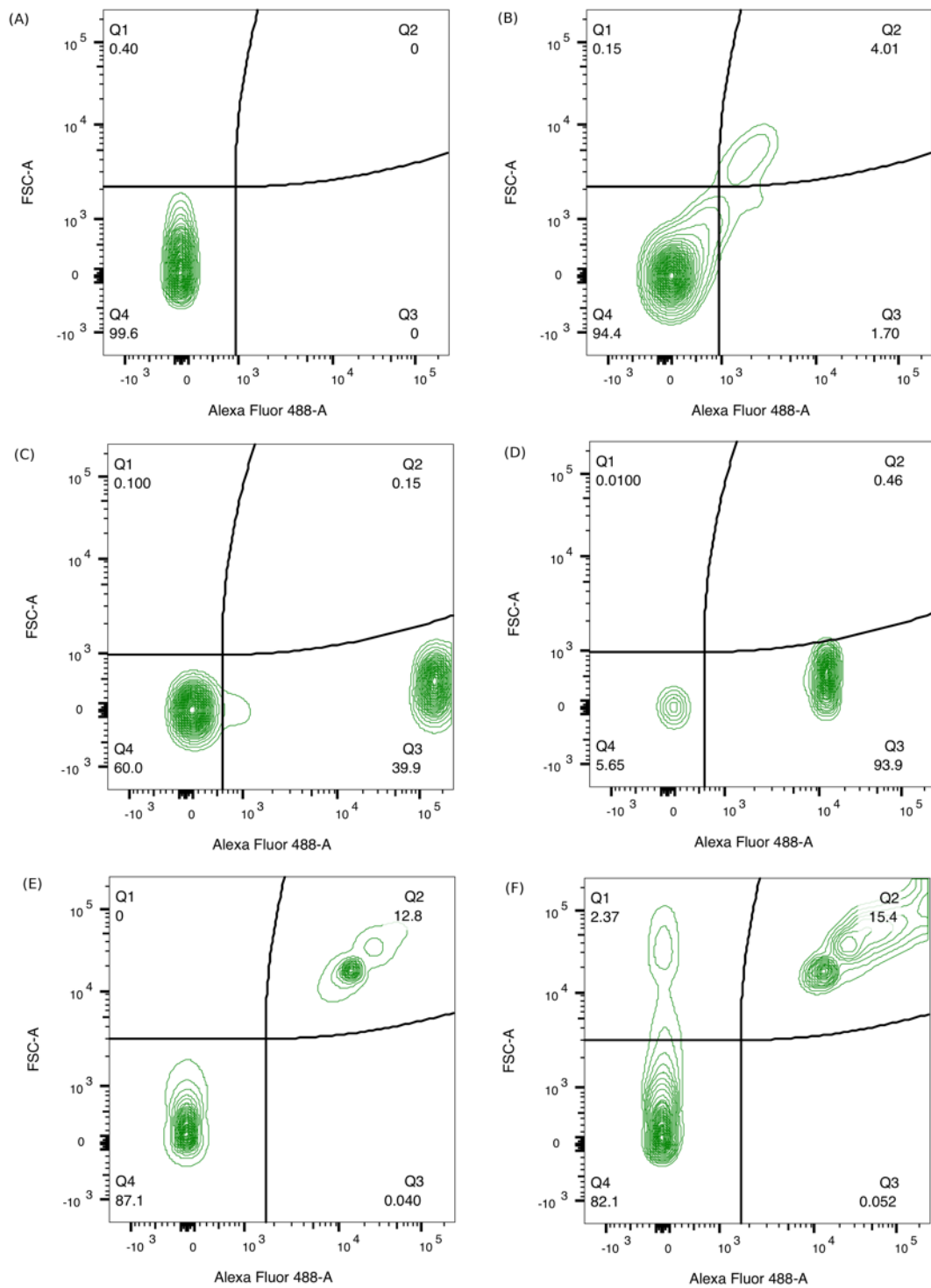


Figure 2.

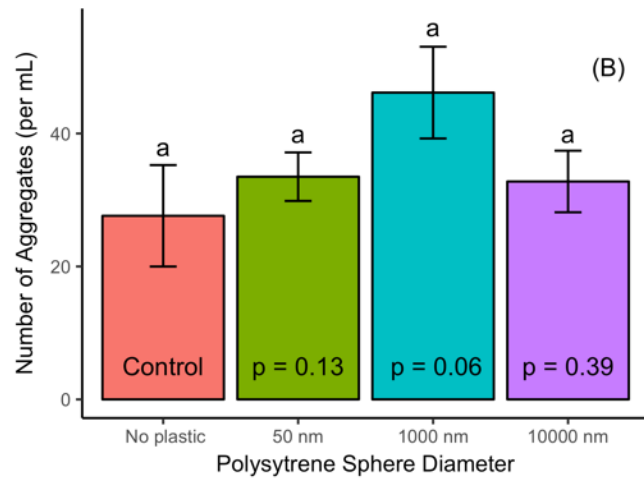
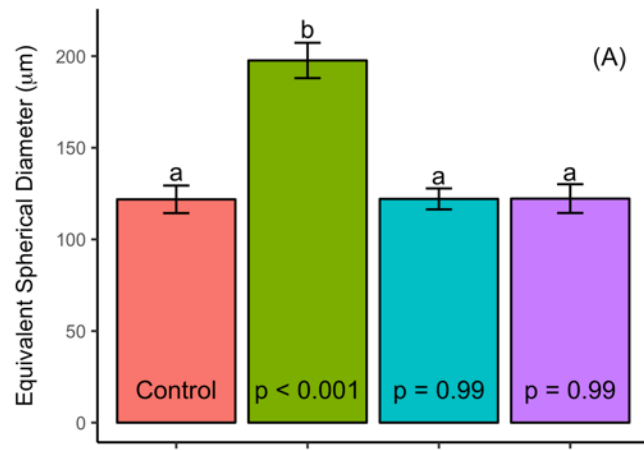


Figure 3.

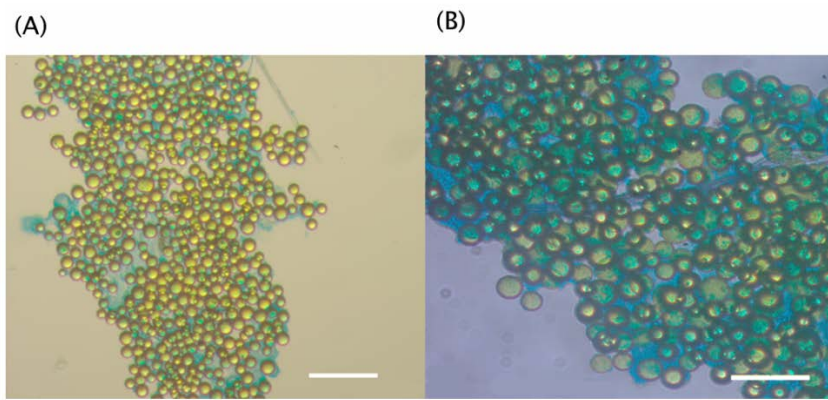


Figure 4.

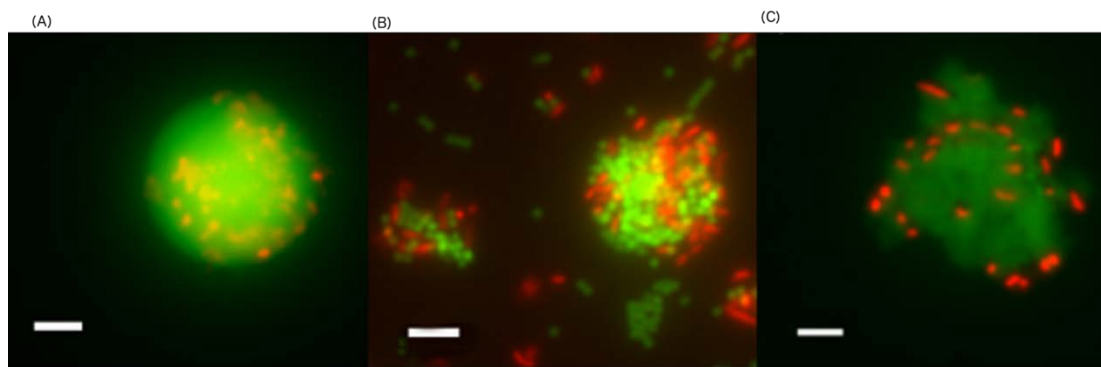


Figure 5.

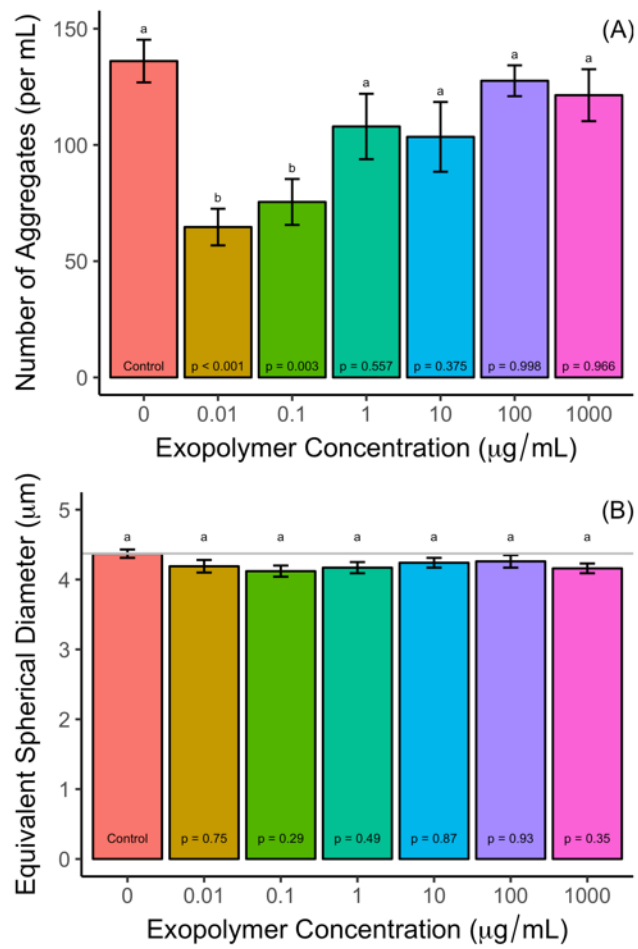


Figure 6.

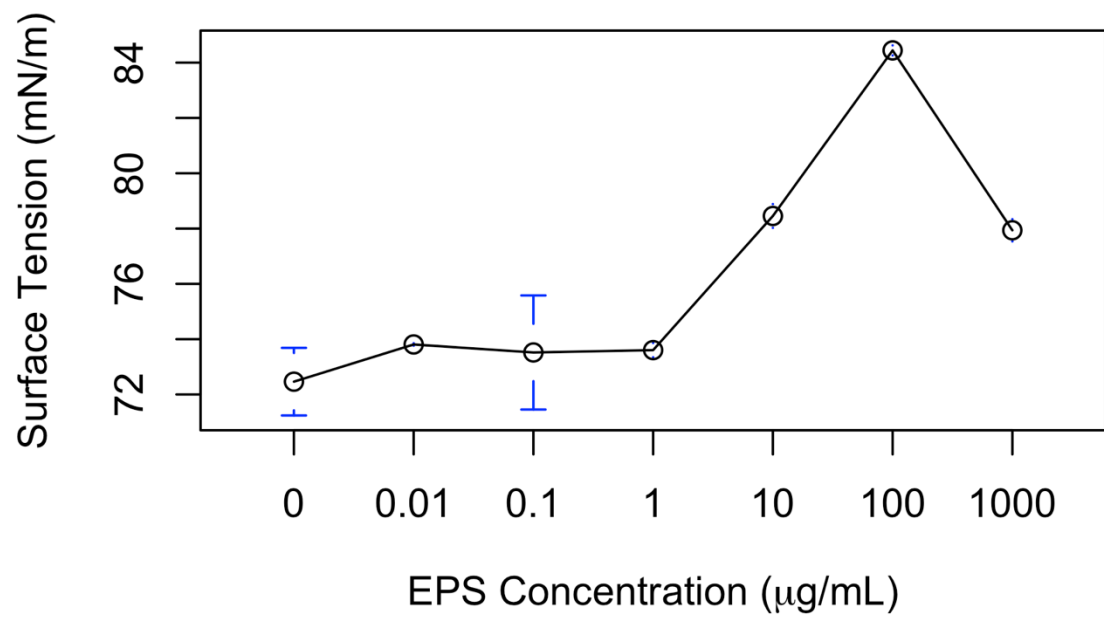
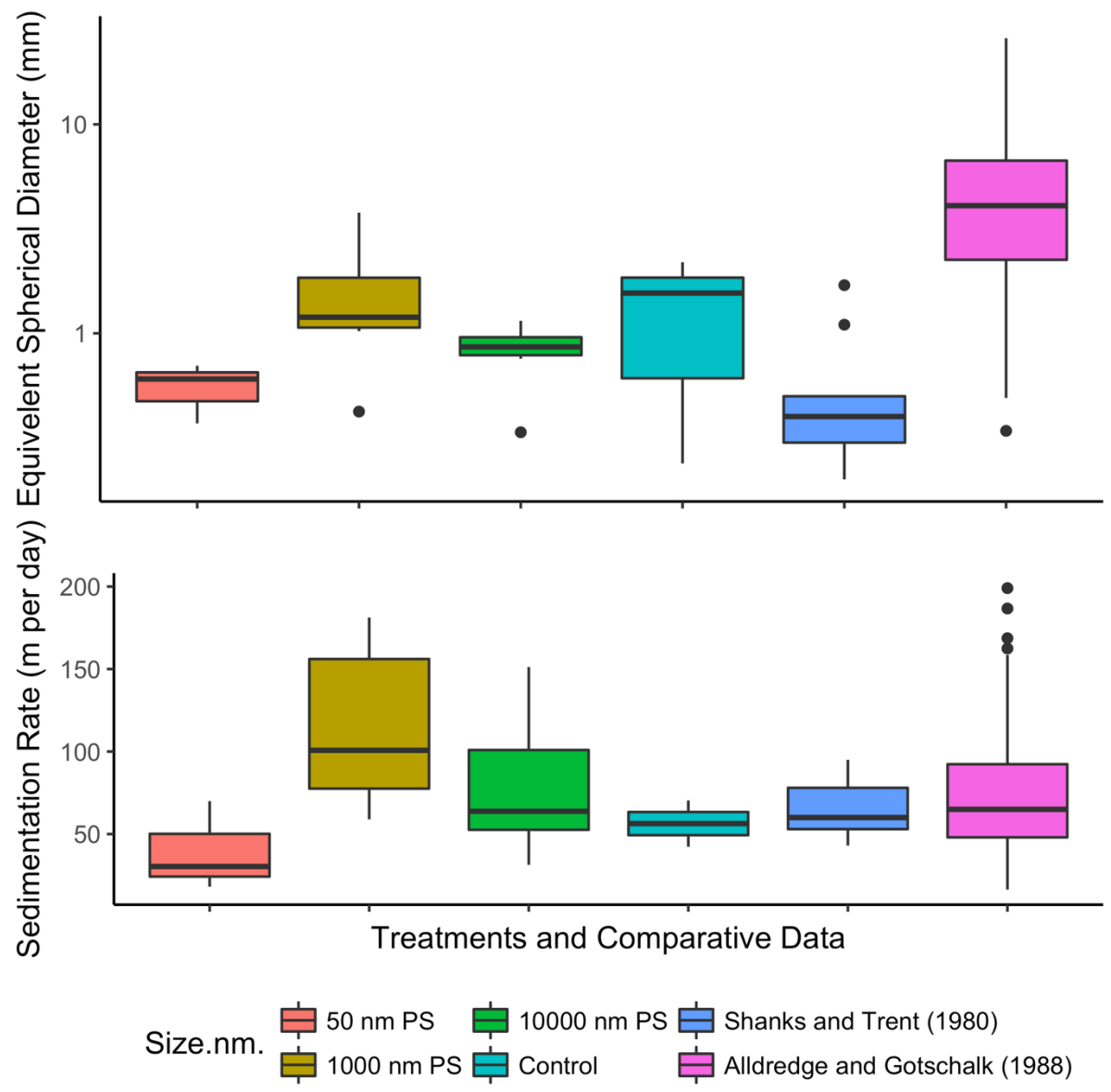


Figure 7.



Tables

Table 1

Expected diameter (nm)	Measured diameter (nm)	SD	Zeta Potential (mV)	SE
50	55.13	0.48	-44.17	7.42
100	116.35	2.94	-44.40	8.07
500	520.47	10.31	-42.53	3.56
1000	3221.33	916.13	-30.97	0.83
10000	50642.67	30065.92	-5.30	0.91