

# Can the bioturbation activity of the fiddler crab *Minuca rapax* modify the distribution of microplastics in sediments?

The screenshot shows a web browser displaying a ScienceDirect article. The browser's address bar shows the URL: <https://www.sciencedirect.com/science/article/abs/pii/S0025326X22004805#!>. The article is from the journal *Marine Pollution Bulletin*, Volume 180, July 2022, 113798. The title of the article is "Can the bioturbation activity of the fiddler crab *Minuca rapax* modify the distribution of microplastics in sediments?". The authors listed are Mariana V. Casavali, A.M. Michal Martínez-Golón, Oscar Lucas-Solis, Gladys Valencia-Castafeda, Omar Calvo-Hernández, Enrique Ariza, and Gabriel H. Nouzelet. The article has a DOI of <https://doi.org/10.1016/j.marpolbul.2022.113798>. The page includes a table of contents on the left, a list of figures (5) and tables (1), and a highlights section. The highlights section contains the following points:

- Bioturbation activity of the fiddler crab *Minuca rapax* can influence MP distribution in sediments.
- Microplastics were more abundant and diverse in burrow sediment than in pellets resulting from bioturbation.
- It was not observed an ability to discriminate between sizes, colors, and shape of microplastics by *Minuca rapax*.
- MP particles were more bioaccumulated in sites with the highest amount of MP in the sediment burrows.
- *Minuca rapax* causes a top-down effect of microplastics in subtropical

On the right side of the page, there are sections for "Metal(oids) accumulation (Hg and As) and their...", "Diffusive methane burst during a blue tide, win...", and "The application of the DAPS(V/R/M) framewor...". There is also an "Article Metrics" section showing 84 Shares, Likes & Comments and 7 Tweets. The browser's taskbar at the bottom shows the time as 04:22 p. m. on 13/07/2022.