

## Small Particles, Big Issues: PRIORITYze DEI

**Issue 18 14/03/2024: Identification of Microplastics in Placental Tissue: Implications for Maternal and Fetal Health**

Dear all,

We hope this email finds you well.

Although research is still ongoing, we would like to bring to your attention a recent finding that highlights the importance of studying different dimensions of diversity, especially in the environmental and health fields.

In this newsletter issue, we bring you the "[Quantitation and identification of microplastics accumulation in human placental specimens using pyrolysis gas chromatography mass spectrometry](#)".

A new study, published recently, analyzed placental tissue samples using advanced methodologies, demonstrating the presence of microplastics in all participants' placentae. Surprisingly, the results show varying concentrations of NMPs per gram of placental tissue, with a mean of  $126.8 \pm 147.5$   $\mu\text{g/g}$  (mean  $\pm$  standard deviation). This finding raises important questions about maternal and fetal health, underscoring the urgent need for further research and more stringent environmental policies.

We invite you to look at the full document, hoping it will be helpful for your research process.

Best regards

Mariasole and Camilla

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