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Citizen Science and Microplastics: Engaging Communities in Ocean Health Monitoring

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Abstract

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Citizen science has emerged as a powerful tool for engaging communities in environmental monitoring, particularly
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microplastics, discussing successful projects, methodologies, community engagement strategies, and the implications
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Empowerment and advocacy

Successful citizen science projects on microplastics

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Key achievements

e ocean conservancy's trash free seas program

Oca Cac' Ta FSaacaa ccccaa bacca a Lab . Pacaccaa a Laa a b . Cacaccaa a [8]

Key achievements

e microplastics project

Key achievements

Standardized methodologies: ca 4 c a c ca 4 ab a4acc, a ca ac 4 4.

Education and training: a a a a a a c a c a c a c a b a c a [9].

Methodologies for citizen science monitoring

Sample collection

Laboratory analysis

Acc, a abaa a abaa DIY aa caaab:

Visual identication: Vacca a a cacac ba a, a, a a c.

Chemical analysis: M a a c a , c a

F - a a 4(FTIR) c c , ca b

c ca c c a c.

Data management and reporting

Data platforms: Ma a a a a a a a a a a a a b c.

Feedback and impact: P a c a bac c b a acc a a c a

Challenges in citizen science for microplastics

D a b c c c, a c a

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