

## Outline

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### Abstract

### Keywords

#### 1. Introduction

#### 2. Materials and methods

#### 3. Results

#### 4. Discussion

#### 5. Conclusion

### Funding sources

### Authors statement

### Declaration of Competing Interest

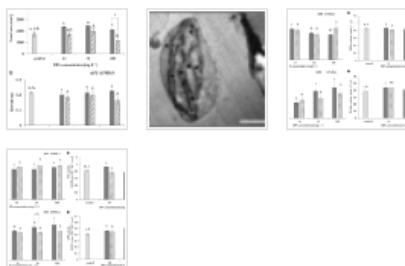
### Appendix A. Supplementary material

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## Figures (4)



## Current Plant Biology

Volume 42, June 2025, 100473



# Physiological responses of *Lemna minor* to polystyrene and polymethyl methacrylate microplastics

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## Highlights

- PS-MPs and PMMA-MPs had distinct effects on the growth and physiology of *L. minor*.
- PS-MPs were less harmful, promoting growth and photosynthetic efficiency.
- PMMA-MPs caused structural damage, negatively impacting growth and physiology.
- PS-MPs activated peroxidase activities.
- PMMA-MPs only slightly increased proline content and SOD activity.

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