



P-LIFE & KEIO UNIVERSITY DISCOVER MICROORGANISMS THAT DEGRADE PLASTIC WITHOUT MICROPLASTICS

During the 47th Annual Meeting of the Molecular Biology Society of Japan, a groundbreaking study was presented confirming that P-Life's technology enables polypropylene (PP) plastics to biodegrade through the action of specially identified microorganisms—leaving no toxic residues or microplastics behind.

This discovery, led by Professor Kenji Miyamoto of Keio University in collaboration with P-Life Japan Inc., marks a major step forward in global efforts to combat plastic pollution.

»»» KEY HIGHLIGHTS FROM THE STUDY

- Unique microorganisms were found to metabolize P-Life-treated polypropylene
- Breaks down into harmless organic compounds
- Can be applied in waste treatment plants and natural environments
- Offers a scalable solution to reduce ocean plastic and microplastic pollution

“This is not just a lab experiment. These findings open the door to real-world applications in waste management and environmental remediation.”

— Prof. Kenji Miyamoto, Keio University

»»» WHAT THIS MEANS FOR PLASTIC MANUFACTURERS

- ✓ Works with common plastics like PP
- ✓ Certified & scientifically backed
- ✓ Supports regulatory compliance and ESG strategies
- ✓ Compatible with existing production lines

**WE'RE READY TO HELP YOU TRANSITION TO A SUSTAINABLE,
MICROPLASTIC-FREE SOLUTION.**

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