



SEMMloTicAR Capabilities

COMPREHENSIVE APPROACH TO MEASURE,
MONITOR, AND REMEDIATE MP POLLUTION

KEY WORDS

MICROPLASTICS,
INTERDISCIPLINARY,
TRANSLATIONAL
RESEARCH

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DESCRIPTION

Comprehensive capabilities to address microplastic pollution through the design and implementation of interdisciplinary solutions that integrate detection, monitoring, and remediation. This capability is powered by a collaborative network of research groups across several CONICET institutes, bridging conceptual, operational, and methodological approaches:

- **INN** – Instituto de Nanociencia y Nanotecnología
- **INQUIMAE** – Instituto de Química Física de los Materiales, Medio Ambiente y Energía
- **CITAAC** – Centro de Investigaciones en Toxicología Ambiental y Agrobiotecnología del Comahue
- **IIDyPCa** – Instituto de Investigaciones en Diversidad Cultural y Procesos de Cambio
- **CIEMEP** – Centro de Investigación Esquel de Montaña y Estepa

APPLICATIONS

- Translational Research: SeMMloTicAR actively participates in the development of scientific-technological products with concrete, real-world applications.
- Emerging Technology Development: Microplastic pollution is a global crisis. In response, our national expertise is highly specialized to meet the demand for innovative and sustainable solutions.
- Cross-Sector Interaction: SeMMloTicAR serves as a platform for the continuous and systematic assessment of microplastic presence.
- Knowledge Transfer & Partnerships: SeMMloTicAR is a high-value asset for institutional partnerships, offering innovative, creative, and low-cost technological developments