



The Future of Molecular Separation

Eduardo Ancestral*

Department of Molecular Biology, University of Kiribati, Kiribati

Abstract

The future of molecular separation presents a landscape of promise and innovation, poised to revolutionize industries ranging from healthcare and pharmaceuticals to energy and environmental sustainability. This abstract provides an

Space exploration and extra-terrestrial resource utilization: As humanity expands its reach into space, molecular separation technologies [10] will be essential for resource utilization on celestial bodies. Separation techniques will be required for extracting water from lunar or Martian regolith and purifying it for human consumption and rocket propulsion.

Conclusion

The future of molecular separation is marked by exciting advancements driven by interdisciplinary collaboration, technological innovation, and the growing demand for sustainable solutions. These developments hold the promise of addressing complex challenges in industries ranging from healthcare and energy to environmental conservation and space exploration, ultimately shaping a more efficient, sustainable, and interconnected world.

Conflict of Interest

None

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