

Abstract

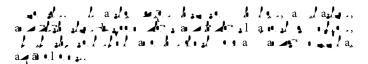
Provides a concise overview of the applications of magnetic techniques in biochemistry and chemistry, focusing on their role in separating solutions. Magnetic separation techniques have emerged as powerful tools for e f ciently isolating biomolecules and compounds from complex mixtures. By exploiting the magnetic properties of target substances, magnetic techniques enable rapid and precise separation, ofering advantages such as high selectivity, minimal sample loss, and automation potential. In biochemistry, magnetic separation fnds applications in purifying proteins, nucleic acids, and cells from biological samples, facilitating downstream analyses such as PCR, sequencing, and drug discovery. In chemistry, magnetic techniques are utilized for catalyst recovery, organic synthesis, and environmental remediation, contributing to greener and more sustainable chemical processes. This abstract highlights the versatility and signif cance of magnetic techniques in advancing research, diagnostics, and industrial applications in biochemistry.

Keywords: Bland and a stern a

Introduction

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Direct magnetic techniques

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