

A Study of Recent trends in Chemical Science, Physical Sciences, and their Interconnections with Mathematical Sciences

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Abstract: *Recent advancements in Chemical Sciences, Physical Sciences, and Mathematical Sciences have demonstrated profound interconnections, with mathematical techniques increasingly being applied to solve complex problems across these fields. This paper explores contemporary trends in these disciplines, focusing on emerging areas of research in chemistry, physics, and the synergy between them through mathematical modeling and computational tools. By analyzing these interconnections, we aim to highlight the contributions of mathematical sciences in shaping modern research and development in these areas*

Keywords: Interconnections, Research and Innovation, Nanotechnology, Sustainability, frontiers

