



polymers



Special Issue Reprint

Research Progress on Chitosan Applications

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This reprint, based on the Special Issue of *Polymers* titled "Research Progress on Chitosan Applications", highlights the innovative advancements in chitosan-based materials. Chitosan, a versatile natural polymer, has proven to be invaluable across fields such as biomedicine, environmental sustainability, and industry.

The studies presented here explore diverse applications, including drug delivery systems, tissue engineering, antimicrobial coatings, and eco-friendly agricultural solutions. Notable breakthroughs include enhanced therapeutic efficacy through encapsulation technologies, bioactive hydrogels for regenerative medicine, and sustainable methods for food preservation and water purification. These works emphasize chitosan's adaptability and its role in addressing critical global challenges.

We extend our gratitude to the authors for their insightful contributions and to the reviewers for ensuring the quality of this reprint. Their efforts provided a robust foundation for advancing the understanding and utilization of chitosan-based materials.

We hope that this reprint inspires further research and innovation, driving progress in polymer science and sustainable solutions for the benefit of society.



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