

# **ANTIMICROBIAL POLYMERS**

**Amber M. Verderosa**

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Antimicrobial polymers, also known as polymeric biocides, is a class of polymers with antimicrobial activity, or the ability to inhibit the growth of microorganisms.

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Despite substantial progress in antimicrobial drugs, many infectious diseases remain difficult to treat. Antimicrobial polymers offer a promising.

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## **Antimicrobial polymer - Wikipedia**

Antimicrobial resistance is now considered a major global challenge; compromising medical advancements and our ability to treat infectious.

### **Focus on: Antimicrobial polymers - Polymer Chemistry Blog**

The use of antimicrobial polymers offers promise for enhancing the efficacy of some existing antimicrobial agents and minimizing the environmental problems.

Artificial polymers, like antibiotic peptides, need both hydrophobic and hydrophilic domains in their molecular structure to exert antibacterial activity. As outlined in the journal *Angewandte Chemie*, their polymer salt contained no hydrophobic alkyl chains but still acted as an.

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Antimicrobial polymers as synthetic mimics of host-defense peptides. This OD vs.

Antimicrobial peptides and synthetic mimics of antimicrobial peptides are Enterococcus faecalis V There are also studies which incorporate antibiotics into the backbone of the polymer, as shown in Figure 3. This was achieved by carefully designing the distribution of the chemical functional groups on the polymer Antimicrobial Polymers, so that the polymers were also facially amphiphilic.

Although numerous antimicrobial drugs have been developed to kill or inhibit optical MIC, i.