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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction of Cellulose and its Application -- Literature Review -- Methodology of Mutant Creation and Molecular Dynamic Simulation -- Results and Discussions -- Conclusions.
Sommario/riassunto	This Brief highlights different approaches used to create stable cellulase and its use in different fields. Cellulase is an industrial enzyme with a broad range of significant applications in biofuel production and cellulosic waste management. Cellulase 7a from <i>Trichoderma reesei</i> is the most efficient enzyme in the biohydrolysis of cellulose. In order to improve its thermal stability, it can be engineered using a variety of approaches, such as hydrophobic interactions, aromatic interactions, hydrogen bonds, ion pairs and disulfide bridge creation.

