

RESEARCHPROJECT

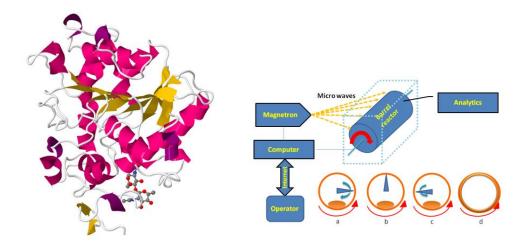


Cleantech biotransformation of renewable chemicals

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Description Industrial White Biotechnology requires new processes and tools for the production of renewable chemicals. An interdisciplinary team of biotechnologists, chemists, mechanical engineers, electronics engineers, computer scientists, and economists addressed this challenge. One of the core products engineered is a microwave barrel reactor implemented in bio-lubricant production (Green Chem. 2012, 14, 2337). This novel tool is proposed to lower energy consumption and production cost. Also a range of green solvents known as ionic liquids performed in particular as co-catalyst in biocatalysis. Market analyses leaded to business models and guided the project execution. New products and tools are available as innovation inducers.



URL www.youtube.com/watch?v=0MD2i7ErQKo or search for ECO2BioPro ST
 http://itv.hevs.ch/

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