# Biocatalysis: New Opportunities and Challenges for a more Sustainable Synthesis

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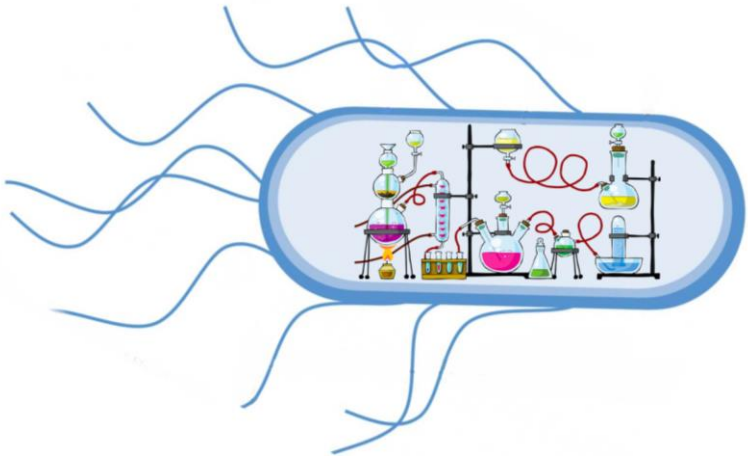
## ABSTRACT

The pharmaceutical and chemical industries are under unprecedent pressure to embrace effort to make it greener. In doing so, biocatalysis is both a green and sustainable technology based on the principles and metrics of green chemistry. That is why my research interests are in the area of the development of biocatalytic processes for the synthesis of (chiral) building blocks for pharmaceutical compounds, focusing on screening of microorganisms for enzymatic activities, directed evolution of enzymes, immobilization of enzymes and whole cells and biotransformation performed in non-conventional media. In the seminar those topics will be covered and some food for thought over the role chemists play in the development of a more sustainable future will be provided.

## GRAPHICAL ABSTRACT



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## REFERENCES

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