

Turning Waste into Innovation: Biofuel Upcycling and the Evolution of
CBD/THC Synthesis

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Chemistry has over the decades been able to develop very complex transformations to produce multifunctional molecules. Flow chemistry technology represents today, not only a bright future for chemical synthesis, but also represents an opportunity for reshaping the use of waste into added value products. During the last years our group has focused efforts on the development of chemo and enzymatic methodologies towards the synthesis of fine chemicals, intermediates and final APIs which are important for the chemical industry in Brazil. Several examples will be shown, some of them featuring cascade chemo-enzymatic reactions towards the production of biofuels and our recent work on the synthesis of cannabinoids and its derivatives.