

# Frontiers in Chemical Synthesis: Towards Sustainable Chemistry

## Key references and reviews

### - General concepts of economy and green chemistry:

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#### - The activation and direct functionalization of feedstocks compounds via C-H and C-C Activation

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**- Direct functionalization of olefins, including hydroamination, hydrogenation, hydrosilylation, hydroformylation and other C-C bond forming reactions**

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**- "New" technologies in the organic chemistry laboratory: microwave, ultrason, solid-phase synthesis, organic chemistry in water, parallel synthesis and reactions in flow reactors.**

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