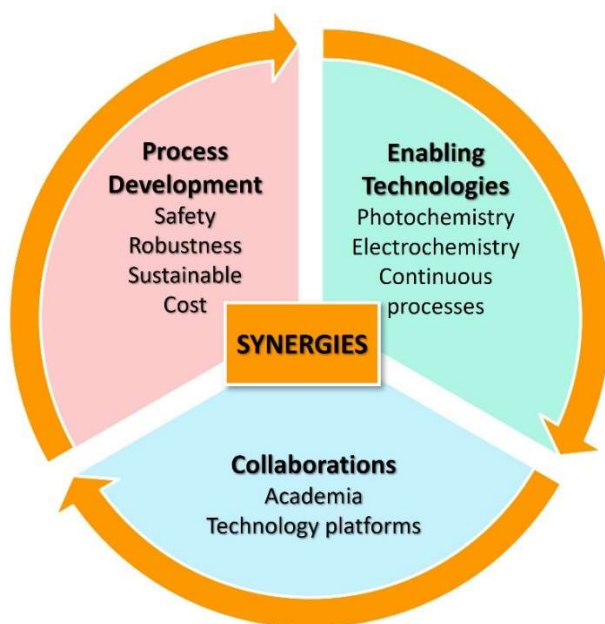


## “Innovation through process development, enabling technologies and collaborations”

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Minakem is an innovative CDMO (Contract Development and Manufacturing Organization) and partners with pharmaceutical and biotechnology companies. It specializes in the transposition of chemical processes from lab scale to large scale.

We recently launched an innovative program focusing on the synergies between process development, enabling technologies and collaborations. Indeed, increasingly competitive markets and strict environmental constraints have led development chemists to be interested in the scaling up of reactions resulting from modern chemistry. Establishing strong links with cutting-edge technologies and partnerships with academic groups or technology platforms have proven valuable to serve our purpose.<sup>1</sup>



<sup>1</sup> (a) Overcoming limitations in decarboxylative arylation via Ag-Ni electrocatalysis (*JACS* **2022**, 10.1021/jacs.2c08006).  
 (b) Selective photochemical continuous flow benzylic monochlorination (*Org. Process Res. Dev.* **2022**, 26, 1496).  
 (c) Cobalt-electrocatalytic hydrogen atom transfer for functionalization of unsaturated C-C bonds (*Nature* **2022**, 605, 687).  
 (d) Tetrahydro-4H-pyran-4-one: from laboratory scale to pilot plant manufacture (*Org. Process Res. Dev.* **2022**, 26, 199).  
 (e) Convergent synthesis of (*R*)-silodosin via decarboxylative cross-coupling (*Tetrahedron Lett.* **2021**, 79, 153290).  
 (f) Carbonyl desaturation: where does catalysis stand? (*ACS Catal.* **2021**, 11, 883).  
 (g) Electrochemically driven desaturation of carbonyl compounds (*Nat. Chem.* **2021**, 13, 367).  
 (h) Electrochemical oxidation of bio-based furan in batch and flow mode (*Chim. Oggi.* **2021**, 39, 6).  
 (i) Electroreductive olefin-ketone coupling (*J. Am. Chem. Soc.* **2020**, 142, 20979).  
 (j) Pd(OH)<sub>2</sub>/C, a practical and efficient catalyst for the carboxylation of benzylic bromides with carbon monoxide (*Org. Process Res. Dev.* **2020**, 24, 713).