

145m Introducing Microreaction Engineering in the Education

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The development of small-scale structured components for chemical applications has been limited almost entirely to laboratory devices, whereas the potential impact of such components on the production scale is immense. To achieve true benefits from these technologies in production, however, research must address whole processes, including integration, connectivity and operability issues. The time to begin such research is now, since no reliable design methodologies, techno-economic evaluation tools or decision criteria for this purpose exist today.

This is the objective of the Integrated Project IMPULSE, funded in the 6th framework program of the European Union. A major issue is the introduction of these issues in student's education. The state of this process will be presented.