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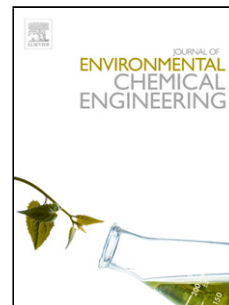
Title: Validation of a rapid procedure to determine biofilter performances

Author: Éric Dumont

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Validation of a rapid procedure to determine biofilter performances

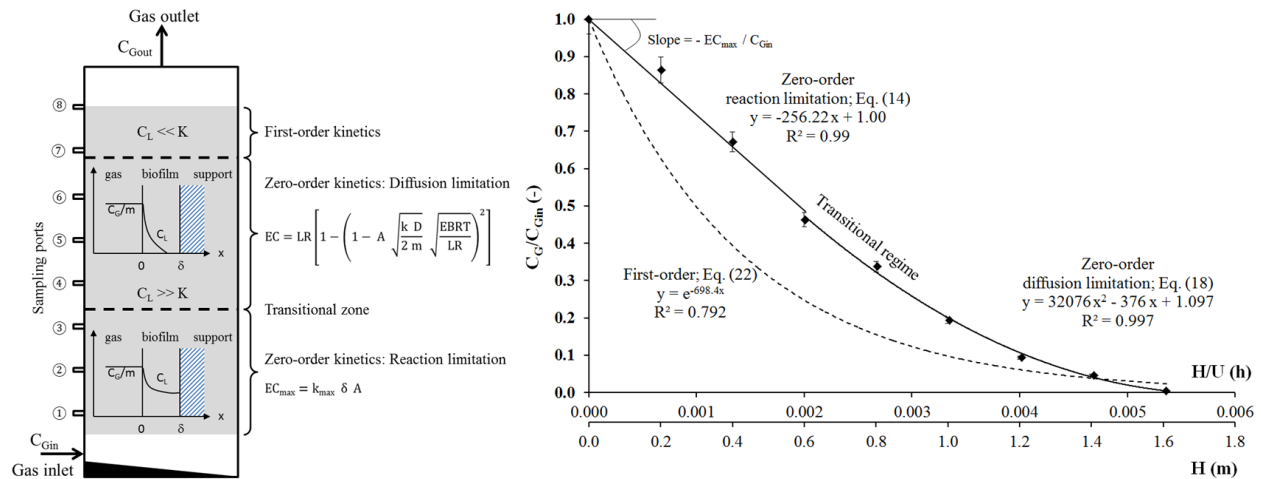
Éric DUMONT

UMR CNRS 6144 GEPEA, IMT Atlantique, Campus de Nantes, La Chantrerie, 4 rue Alfred

Kastler, CS 20722, 44307 Nantes Cedex 3, France

Corresponding author: eric.dumont@imt-atlantique.fr

Graphical abstarct



Highlights

- A procedure to determine quickly the EC_{max} value of a biofilter is proposed
- A biofilter filled with expanded schist was used for the treatment of H₂S
- The procedure was successfully applied within a 10 % error
- The coexistence of both zero-order regimes in the biofilter was evidenced
- The Thiele modulus cannot be used to characterize the biodegradation limiting factor

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