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# Residue Composition and Mineralisation of Drought-Exposed Bean Plants

Jonas Petard\*<sup>1</sup>, Thomas Lerch<sup>1</sup>, Marie-France Dignac<sup>1</sup>, Luis Leitao<sup>1</sup>, Ruben Puga-Freitas<sup>1</sup>, and Juliette Leymarie<sup>1</sup>

<sup>1</sup>Institut d'écologie et des sciences de l'environnement de Paris (iEES Paris) – Institut de Recherche pour le Développement, Sorbonne Université, Université Paris-Est Créteil Val-de-Marne - Paris 12, Centre National de la Recherche Scientifique, Institut National de Recherche pour l'Agriculture, l'Alimentation et l'Environnement – France

## Résumé

With climate change increasing drought frequency and intensity, plant physiology and biochemistry are altered, having a potential feedback on their residue chemical composition. This study investigates how drought affects bean residues and their later mineralization. We (1) characterized residues composition using Py-GC/MS and MIRS ; (2) assessed mineralization and microbial structuration dynamics using micro-GC and microResp® ; (3) measured mineralized nitrogen. Results showed differences in mineralization dynamics probably related to a specific chemical signature.

**Mots-Clés:** drought, bean, plant residues, chemical characterisation, mineralization, soil microbiome

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\*Intervenant