

Articles scientifiques en anglais (papers in english)

Pédologie générale & Typologie des sols

1989 - Baize D. - Planosols in the "Champagne Humide" region, France. A multi-approach study. *Pédologie*, XXXIX-2, Ghent, pp.119-151.

Planosols-amultiapproach study-1989.pdf 1990 - Baize D., Girard M.C., Ruellan A. & Boulaine J. - The new French reference base for soils ("Référentiel pédologique"). Basic concepts and special features. Communication orale acceptée au 14ème Congrès de la Science du sol, Kyoto, pages V-16 à V-21.

1990 - Bruand A., Baize D. et Tessier D. - Water retention and shrinkage properties of clayey soils as influenced by clay mineralogy and clay fabric. & Proceed. 14th World Congress of Soil Science, Kyoto, pages VII-406 et 407.

1993 - Baize D. - Place of horizons in the new French "Référentiel Pédologique". *Catena*, 20, 4, p. 383-394.

1994 - Bruand A., Baize D. & Hardy M. - Prediction of water retention properties of clayey soils : validity of relationships using a single soil characteristic. *Soil Use & Management*, 10, 99-103.

2002 & Baize D., King D. et Jamagne M. & The "Référentiel Pédologique" a sound reference base for soils & a tool for soil designation. pp. 85- 92 in *Soil Classification & 2001 & E. Micheli, F.O. Nachtergaele, R.J.A. Jones and L. Montanarella (eds). European Soil Bureau research Report n°7 Euro 20398 EN, 248 pages.*

Éléments traces dans les sols et risques de transfert vers les plantes

1997 - Mench M., Baize D. & Mocquot B. - Cadmium availability to wheat in five soil series from the Yonne district, Burgundy, France. *Environmental Pollution*. Vol. 95, n° 1, pp. 93-103.

1997 - Tremel A., Masson P., Sterckeman Th., Baize D. et Mench M. - Thallium in French agrosystems. I. Thallium contents in arable soils. *Environmental Pollution*. Vol. 95, n°3, pp. 293-302.

1997 - Tremel A., Masson P., Garraud D., Donard O.F.X. Baize D. et Mench M. - Thallium in French agrosystems. II. Concentration of thallium in field-grown rape and some other plant species. *Environmental Pollution*. Vol. 97, n°1-2, pp. 161-168.

2001 - Baize D. et Sterckeman T., - Of the necessity of knowledge of the natural pedo-geochemical background content in the evaluation of the pollution of soils by trace elements. *The Science of the Total Environment*, 264, pp. 127-139.

2004 - Sterckeman T., Douay F., Baize D., Fourrier H., Proix N. et Schwartz C. & Factors affecting trace element concentrations in soils developed in recent marine deposits from Northern France. *Applied Geochemistry*, 19, pp. 89-103.

2005 - Sterckeman T., Douay F., Baize D., Fourrier H., Proix N. , Schwartz C., Carignan J. - Trace element distributions in soils developed in loess deposits from northern France. *European Journal of Soil Science*. Vol. xx & pp. xxx-xxx.

2006 - Lamy I., van Oort F., Dère C., Baize D. & Use of major-trace element correlations to assess metal migration in wastewater irrigated sandy Luvisols. *European Journal of Soil Science*

2006 - Bourennane H., Dère C., Lamy I., Cornu S., Baize D., van Oort F. & King D., - Enhancing spatial estimates of metal pollutants in raw wastewater irrigated fields using a topsoil organic carbon map predicted from aerial photography. 20 pages *Science of the Total Environment*

2008 - van Oort F., Jongmans T., Lamy I., Baize D. & Chevallier P. & Impacts of long-term waste-water irrigation on the development of sandy Luvisols: consequences for metal pollutant distributions. *European Journal of Soil Science*, 59, pp. 925-938.

2009 - Baize D. - Cadmium in soils and cereal grains after sewage sludge application on French soils. A review. *Agronomy for Sustainable Development*, 29, pp. 175-184.

2009 - Baize D., Bellanger L., and Tomassone R. - Relationships between concentrations of trace metals in wheat grains and soil. *Agronomy for Sustainable Development*, 29, pp. 297&312.

2015 - Baize D. - Impact of sewage-sludge spreading on soil and crop quality & Results from a French thorough

survey. accepted by Agriculturae Conspectus Scientificus Journal (Croatia)