

GEORGE G. BROWN

Short Curriculum Vitae

Professional Address Empresa Brasileira de Pesquisa Agropecuária, Embrapa Florestas.
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Education

BSc in Natural Sciences (Major in Agronomy), University of Wisconsin (1990)
MSc in Crop and Soil Sciences, University of Georgia (1993)
PhD in Life Sciences (Major in Ecology), University of Paris VI (1999)

Professional Experience

1995-2000, visiting research scientist, Instituto de Ecología, Xalapa, Veracruz, Mexico
2001-2002, Post-doctoral Research Fellow (CNPq), Embrapa Soybean, Londrina, Brazil
2002-2006, researcher, Embrapa Soybean, Londrina, Brazil
2006-present, researcher, Embrapa Forestry, Colombo, Brazil.

Project Leadership

Has participated in more than 20 projects in Latin America, Africa and Europe (being PI in 12 of them). Presently participating in 12 projects and acting as PI in 5 of them.

Teaching Activities and Student Supervision

2007-present, Professor in graduate program in Soil Science, Federal University of Paraná
Supervision/Co-supervision of:
2 Post-doctoral researchers, 1 underway
3 Doctoral degrees, 4 underway
20 Master's degrees, 4 underway
12 undergraduate students

Publications

Full papers	71
Book published	04
Book chapters	40

Links

Full CV: <http://lattes.cnpq.br/7697573855724906>
Researcher ID: D-4616-2012

Selected Publications

VAN GROENIGEN, J.W.; LUBBERS, I.M.; VOS, H.M.J.; BROWN, G.G.; DE DEYN, G.B.; VAN GROENIGEN, K.J. Earthworms increase plant production: a meta-analysis. Scientific Reports, v. 4, p. 6365, 2014.

DECÄENS, T.; PORCO, D.; ROUGERIE, R.; BROWN, G.G.; JAMES, S.W. Potential of DNA barcoding for earthworm research in taxonomy and ecology. *Applied Soil Ecology*, v. 65, p. 35-42, 2013.

BROWN, G.G.; CALLAHAM, M.A.; NIVA, C.C.; FEIJOO, A.; SAUTTER, K.D.; JAMES, S.W.; FRAGOSO, C.; PASINI, A.; SCHEMLZ, R.M. Terrestrial oligochaete research in Latin America: The importance of the Latin American Meetings on Oligochaete Ecology and Taxonomy. *Applied Soil Ecology*, v. 69, p. 2-12, 2013.

BARTZ, M.L.; PASINI, A.; BROWN, G.G. Earthworms as soil quality indicators in Brazilian no-tillage systems. *Applied Soil Ecology*, v. 69, p. 39-48, 2013.

MARICHAL, R.; GRIMALDI, M.; MATHIEU, J.; BROWN, G.G.; DESJARDINS, T.; SILVA, M.L.; PRAXEDES, C.; MARTINS, M.B.; VELASQUEZ, E.; LAVELLE, P. Is invasion of deforested Amazonia by the earthworm *Pontoscolex corethrurus* driven by soil texture and chemical properties? *Pedobiologia*, v. 55, p. 233-240, 2012.

JACKSON, L.; PULLEMAN, M.; BRUSSAARD, L.; BAWA, K.; BROWN, G.G.; CARDOSO, I.M.; DE RUITER, P.C.; GARCIA-BARRIOS, L.; HOLLANDER, A.; LAVELLE, P.; OUEDRAOGO, E.; PASCUAL, U.; SETTY, S.; SMUKLER, S.; TSCHARNKE, T.; NOORDWIJK, M.V. Social-ecological and regional adaptation of agrobiodiversity management across a global set of research regions. *Global Environmental Change*, v. 22, p. 623-639, 2012.

DEPKAT-JAKOB, P.S.; BROWN, G.G.; TSAI, S.M.; HORN, M.A.; DRAKE, H.L. Emission of nitrous oxide and dinitrogen by diverse earthworm families from Brazil and resolution of associated denitrifying and nitrate-dissimilating taxa. *FEMS Microbiology, Ecology (Print)*, v. 83, p. 375-391, 2012.

BROWN, G.G.; DOMÍNGUEZ, J. Uso das minhocas como bioindicadoras ambientais: princípios e práticas o 3º Encontro Latino Americano de Ecologia e Taxonomia de Oligoquetas (ELAETAO3). *Acta Zoológica Mexicana*, v. 26, p. 1-18, 2010.

BROWN, G.G.; SAUTTER, K.D. Biodiversity, conservation and sustainable management of soil animals: the XV International Colloquium on Soil Zoology and XII International Colloquium on Apterygota. *Pesquisa Agropecuária Brasileira (Online)*, v. 44, 2009

BRUSSAARD, L., RUITER, P.C., BROWN, G.G. 2007. Soil biodiversity for agricultural sustainability. *Agriculture, Ecosystems & Environment*, v.121, 233-244.

BROWN, G.G., BAROIS, I., LAVELLE, P. 2000. Regulation of soil organic matter dynamics and microbial activity in the drilosphere and the role of interactions with other edaphic functional domains. *European Journal of Soil Biology*, v.36, 177-198.

FRAGOSO, C., BROWN, G.G., PATRON, J.C., BLANCHART, E., LAVELLE, P., PASHANASI, B., SENAPATI, B.K., KUMAR, T. 1997. Agricultural intensification, soil biodiversity and ecosystem function: The role of earthworms. *Applied Soil Ecology*, v.6, 17-35.

BROWN, G.G. 1995. How do earthworms affect microfloral and faunal community diversity? *Plant and Soil*, v.170, 209-231.