Accepted Manuscript

Accepted date:

Title: Soil chemistry changes beneath decomposing cadavers over a one-year period

Authors: Ildikó Szelecz, Isabelle Koenig, Christophe V.W. Seppey, Renée-Claire Le Bayon, Edward A.D. Mitchell

28-2-2018



PII:	\$0379-0738(18)30085-9
DOI:	https://doi.org/10.1016/j.forsciint.2018.02.031
Reference:	FSI 9189
To appear in:	FSI
Received date:	10-11-2017
Revised date:	16-2-2018

Please cite this article as: Ildikó Szelecz, Isabelle Koenig, Christophe V.W.Seppey, Renée-Claire Le Bayon, Edward A.D.Mitchell, Soil chemistry changes beneath decomposing cadavers over a one-year period, Forensic Science International https://doi.org/10.1016/j.forsciint.2018.02.031

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Title page

Soil chemistry changes beneath decomposing cadavers over a one-year period

Ildikó Szelecz^{*a}, Isabelle Koenig^a, Christophe V.W. Seppey^{a,b}, Renée-Claire Le Bayon^c, Edward A.D. Mitchell^{a,d}

^aLaboratory of Soil Biodiversity, University of Neuchâtel, Rue Emile Argand 11, 2000 Neuchâtel, Switzerland

^bMicroorganisms and Plants Group, Arctic and Marine Biology Department, Faculty of Biosciences, Fisheries and Economics, University of Tromsø, 9037 Norway

^cFunctional Ecology Laboratory, University of Neuchâtel, Rue Emile Argand 11, 2000 Neuchâtel, Switzerland

^dBotanical Garden of Neuchâtel, Chemin du Pertuis-du-Sault 58, 2000 Neuchâtel, 2000 Neuchâtel, Switzerland

*corresponding author: ildiko.szelecz@unine.ch Laboratory of Soil Biodiversity, University of Neuchâtel Rue Emile Argand 11 2000 Neuchâtel, Switzerland phone: +41 32 718 3108

Highlights

- decomposing cadavers affected below ground soil chemistry
- cadavers caused significant increases of ammonium, nitrogen, phosphorous and potassium in the first two months
- nitrate significantly increased after eight months

Download English Version:

https://daneshyari.com/en/article/6551115

Download Persian Version:

https://daneshyari.com/article/6551115

Daneshyari.com