

# Fatty acid concentrations in sandy dune soils: Gerald Jandl

## 1. General Information

Dataset title: Fatty acid concentrations in sandy dune soils

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## 2. Objective/Problem Statement

The general objective of the present study was to uncover which compound classes or molecular specifics are enriched during the initial SOM formation in a sandy dune substrate that favors a later podzolization. Furthermore, mechanisms by which SOM constituents are stabilized, or reasons why they are not stabilized, should be disclosed.

## 3. Description

Concentrations of fatty acids ( $\mu\text{g g}^{-1}$ ) in soil samples and biological soil crust. Measured with GC-MS after total lipid extraction.

## 4. Data Format

CSV (UTF-8).

## 5. Archive Structure

Single file.

GCMS\_data.csv concentrations of n-alkyl acids

## 6. System Requirements

None.

## References/Bibliography

New insights into soil organic matter formation during the early pedogenesis at Baltic Sea dunes

Gerald Jandl, Kai-Uwe Eckhardt, Sandra Kammann, Ulf Karsten, Bernd Bobertz, Georg Grathoff, Peter

Karl Leinweber