

Biography for Ingrid Kögel-Knabner

Ingrid Kögel-Knabner joined the School of Life Sciences of the Technical University of Munich (TUM) as a professor of Soil Science in 1995. Since 2011, she is also a Carl von Linde Senior Fellow at the TUM Institute for Advanced Study.

She works on the composition and formation of soil organic matter, specifically the formation of organo-mineral associations and the concurrent occlusion of organic particles in aggregated soil structures. Understanding the binding of organic matter in the fine soil structures then provides a means to evaluate the effects of soil management on organic matter binding. Recent examples of her work for such management-induced controls on carbon sequestration are tillage in cropland soils, grazing management in steppe soils, and paddy soil management for rice production. She is a Thomson Reuters highly cited researcher in 2015 and 2016.

Ingrid Kögel-Knabner was the coordinator of a priority research programme in Germany 'Soils as source and sink of CO₂ – Mechanisms and regulation of organic matter stabilisation in soils' and of the Research Unit 'Biogeochemistry of paddy soil evolution'. Within the priority research programme 'Biogeochemical interfaces in soils' she coordinated a research group working on artificial soils.

Ingrid Kögel-Knabner is Joint-editor-in-chief for *Geoderma* and works as associate editor for *Plant and Soil*, *European Journal of Soil Science*, and *Biology and Fertility of Soils*.

