

Curriculum vitae -short-



Personal data

Name Albrecht SERFLING, Dr. agr.
Date of birth 02.10.1975
Place of birth Rostock/Germany
Marital status Married, two children

Recent Position

Since 8/2008 Scientist in the Institute for Resistance Research and Stress Tolerance of the Julius Kühn-Institute, Federal Research Centre for Cultivated Plants.

Academic carrer

10/1994 – 09/2001

Studies "Agriculture – Crop Science" at the Martin Luther University, Halle-Wittenberg

02/2001-09/2001

Diploma, Diploma Thesis in Plant Protection and Phytopathology: "Impact of intensity and date of strobilurine application on senescence, development of fungal diseases and ripeness of winter wheat"

03/2002-12/2004

PhD student at the Institute of Crop Protection and Plant Pathology (Prof. Dr. Holger Deising), Martin Luther University

04/2009

PhD thesis: "Azole adaptation of *Colletotrichum graminicola* and application of the endophytic basidiomycete *Piriformospora indica* as plant strenghtener in wheat"

10/2006-09/2008

Scientist at the Saxon State Ministry of the Environment and Agriculture in the project " Evaluation of Methods for the decrease of arsenic contamination of forage crops"

9/2008_ 12/2018

Postdoc position at the Julius Kuehn-Institute, project "Mapping and molecular characterization of a prehaustorial resistance against leaf rust in *Triticum monococcum* (Einkorn)"

Project "Identification of closely linked markers for wheat leaf and stripe rust resistance genes and virulence monitoring in open land populations of wheat leaf and stripe rusts (IdMaRo)

Since 1/2019

Scientific expert, active project supervision of the following projects:

"Genome-based selection strategies for improving baking quality and resistance of elite breeding lines in winter wheat under moderate nitrogen fertilization"

"Genomics-based exploitation of wheat genetic resources for resistance to leaf rust and stripe rust"

"Identification of markers linked to effective leaf and strip rust resistance genes in wheat" Phenotyping of populations in order to map possible resistances/ tolerances using moder highthroughput techniques and hyperspectral imaging"

"Identification and mapping of effective resistance genes to rust diseases and Fusarium head blight in the MAGIC WHEAT population WM-800"

Further activities within the Institute for Resistance Research and Stress tolerance:

Classificaton of the resistance of cultivars against leaf rust and stripe rust for the German plant variety board. Identification of effective rust resistances in wheat.

Virulence and toxin synthesis of an azole insensitive *Fusarium culmorum* strain in wheat cultivars with different levels of resistance to fusarium head blight

Mentoring of masters theses, student internships, apprentices

Evaluation of genetic resources for their resistance against fungal diseases in cooperation with breeders. Administration of the database "EVAII".