

## Curriculum vitae

---

### Academic Education

10-2013 – 09-2016 **Master of Science Applied Geosciences**

Institute of Geosciences and Geography, Faculty of Natural Sciences III,  
Martin-Luther-University Halle-Wittenberg, Germany

Title of the master thesis: Synthesis and crystallochemical investigations of selected solid solutions of the hydrotalcite supergroup in the system  $[\text{Me}^{\text{II}}_{1-x}\text{Al}_x(\text{OH})_2](\text{CO}_3)_{x/2} \cdot n\text{H}_2\text{O}$  with  $\text{Me}^{\text{II}} : \text{Al} 2 : 1$  and  $3 : 1$  and  $\text{Me}^{\text{II}} = \text{Co}, \text{Cu}, \text{Mn}, \text{Ni}$

10-2010 – 09-2013 **Bachelor of Science Applied Geosciences**

Institute of Geosciences and Geography, Faculty of Natural Sciences III,  
Martin-Luther-University Halle-Wittenberg, Germany

Title of the bachelor thesis: Synthesis of lamellar calcium aluminate hydrates in the system  $\text{C}_3\text{A} \cdot \text{CaSO}_4 \cdot n\text{H}_2\text{O} - \text{C}_3\text{A} \cdot \text{CaCl}_2 \cdot n\text{H}_2\text{O} - \text{C}_3\text{A} \cdot \text{Ca}(\text{NO}_3)_2 \cdot n\text{H}_2\text{O}$  solid solutions  $\text{C}_3\text{A} \cdot (1-x)\text{CaSO}_4 \cdot (x/2)\text{CaCl}_2 \cdot (x/2)\text{Ca}(\text{NO}_3)_2 \cdot n\text{H}_2\text{O}$   $0 \leq x \leq 1$

### School Education

08-2002 – 07-2010

**Wilhelm-Ostwald-School, secondary school of the city of Leipzig with advanced mathematical-scientific profile, Germany**

Advanced courses (11<sup>th</sup> and 12<sup>th</sup> grade): Mathematics, Chemistry, Biology

**Extraordinary scholar accomplishment with the title:** Arbuscular mycorrhiza in a monoxenic system; in Cooperation with the Helmholtz Centre for Environmental Research Leipzig (UfZ), Department of Environmental Microbiology

### Further Education and Practical Courses

14-03 - 17-03-2016	24 <sup>th</sup> Annual Meeting of the German Crystallographic Society (DGK), Stuttgart, Germany; poster and abstract contribution
04-10 - 07-10-2015	GeoBerlin, Annual Meeting DGGV • DMG, Berlin, Germany; poster and abstract contribution
26-05 - 29-05-2015	Application of solid state NMR spectroscopy in the mineralogical and geoscientific research, Ruhr-University Bochum, Germany
20-02 - 22-02-2015	Introduction to C++ programming, Martin-Luther-University Halle-Wittenberg, Germany
31-10 - 02-11-2014	International OpenSource GIS course in 3D Hydrogeology and Environmental Geology, Martin Luther University Halle-Wittenberg
07-03 - 09-03-2014	Introduction to C++ programming, Martin-Luther-University Halle-Wittenberg, Germany
16-11 - 17-11-2013	Possibilities and boundaries of hydrogeochemical modelling of hydrothermal and geothermal processes with PhreeqC, Martin-Luther-University Halle-Wittenberg, Germany
13-02 - 15-03-2013	Work experience at Helmholtz Centre for Environmental Research Leipzig (UfZ), in the Department of Isotope Biogeochemistry on the subject of: Determination of the desorption of polycyclic aromatic hydrocarbons (PAHs) from different substrates and cultivation of PAH-degrading microorganisms
23-07 - 17-08-2012	practical field work during excavations of the Hessian State Museum Darmstadt in the UNESCO World Heritage-monument Messel pit, Germany

---

### Additional

- 01-2013 - 12-2015 Research assistant at the research group Mineralogy and Geochemistry Martin-Luther-University Halle-Wittenberg, Germany
- Assistance and support of the PhD course: Microscopy of mineralic building materials, A PhD seminar of the Division of the Chemistry of Construction Materials of the GDCh, 23 – 24-03-2015, Halle (Saale), Germany
- Member of German Red Cross (GRC) and the water rescue service of the German Red Cross

## Publications

Linke, T.; Stöber, S.; Pöllmann, H. (2016): Investigations of the System  $[(\text{Cu,Mn})_{1-x}\text{Al}_x(\text{OH})_2](\text{CO}_3)_{x/2} \cdot n\text{H}_2\text{O}$  with (Cu,Mn):Al ratios 2:1 and 3:1; 24<sup>th</sup> Annual Meeting of the German Crystallographic Society (DGK), 14-17 March 2016, Stuttgart (abstract and poster)

Linke, T.; Stöber, S.; Pöllmann, H. (2015): Investigations of the System  $\text{Me}_{x_1}^{2+}\text{Me}_{x_2}^{3+}[(\text{OH})^{-}]\frac{1}{2}\text{CO}_3^{2-}]_{x_1+x_2} \cdot n\text{H}_2\text{O}$  with different di- and trivalent metal cations (abstract and poster)

in: Wagner, J.; Elger, K. [Eds.] (2015) GeoBerlin2015 – Dynamic Earth from Alfred Wegener to today and beyond – Abstracts. Annual Meeting of DGGV and DMG, 4-7 October 2015, Berlin: GFZ German Research Centre for Geosciences

---

## Qualifications

### Languages

German (native speaker)

English (fluently, C1)

French (basic knowledge)

### Software

Windows und Microsoft Office, OriginPro, CorelDRAW

HighScore Plus (PANalytical), TOPAS-Academic, Proteus Analysis (Netzsch),

Opus (Bruker), PhreeqC (USGS)

Quantum GIS, ArcGIS (Esri)

### Experiences

X-ray powder diffraction, thermogravimetric analysis, differential scanning calorimetry, Fourier transform infrared spectroscopy, high-performance liquid chromatography, gas chromatography – isotope ratio mass spectrometry, working under anaerobic conditions