

**Current positions**

Head of Division Biotechnology, Helmholtz Institute Freiberg for Resource Technology (since 2018)

**Previous positions (two selected)**

Head of group Biotechnology/Division Processing, Helmholtz Institute Freiberg for Resource Technology (2011-2018); Head of the Junior Research Group “Nanobio” at HZDR, Germany (2008-2011);

**Scientific degrees**

Dr. rer. nat., Technical University Braunschweig, Germany (2002); Diplom, University Osnabrück, Germany (1998)

**Recent research topics**

Microbiology, Biohydrometallurgy, Bioleaching, Biosorption, Bioflotation, Nanobiotechnology

**Awards, honors, memberships**

Winner of the 1st HZDR Innovation contest (2017), Technologiepreis of the HZDR (2011), PhD Award “Fritz-Wagner-Preis zur Förderung der Biotechnologie“, Gesellschaft für Biotechnologische Forschung (GBF) (2002)

**Publications/Patents (5 most important)**

- **F. L. Lederer, R. Braun, L. M. Schöne, K. Pollmann**, Identification of peptides as alternative recycling tools via Phage Surface Display – How biology supports geosciences, *Miner Eng* 132, 245-250 (2018) [doi:10.1016/j.mineng.2018.12.010](https://doi.org/10.1016/j.mineng.2018.12.010)
- **S. Hopfe, S. Konsulke, R. Barthen, F. Lehmann, et al.**, Screening and selection of technologically applicable microorganisms for recovery of rare earth elements from fluorescent powder, *Waste Manag* 79, 554-563 (2018) [doi:10.1016/j.wasman.2018.08.030](https://doi.org/10.1016/j.wasman.2018.08.030)
- **K. Pollmann, S. Kutschke, S. Matys, J. Raff, et al.**; Bio-recycling of metals: Recycling of technical products using biological applications; *Biotechnol Adv* 36, 1048-1062 (2018) [doi:10.1016/j.biotechadv.2018.03.006](https://doi.org/10.1016/j.biotechadv.2018.03.006)
- **S. Kostudis, K. Bachmann, S. Kutschke, K. Pollmann, J. Gutzmer**, Leaching of copper from Kupferschiefer by glutamic acid and heterotrophic bacteria, *Miner Eng* 75, 38-44 (2015) [doi:10.1016/j.mineng.2014.12.035](https://doi.org/10.1016/j.mineng.2014.12.035)
- **M. Suhr, N. Unger, K. E. Viacava, T. J. Günther, et al.**, Investigation of metal sorption behavior of Slp1 from *Lysinibacillus sphaericus* JG-B53: a combined study using QCM-D, ICP-MS, and AFM, *Biometals* 27, 1337-1349 (2014) [doi:10.1007/s10534-014-9794-8](https://doi.org/10.1007/s10534-014-9794-8)