



## **A quality assessment of diverse Lupin proteins from Germany**

*Christian Zörb<sup>1\*</sup>, Katrin Koritnik<sup>1</sup>, Nicole Pilz<sup>1</sup>, Gisela Jansen<sup>2</sup>*

<sup>1</sup>University of Hohenheim, Institute of Crop Science, Quality of plant Products (340e),  
70593 Stuttgart, Fon: +49 711 45922520; Fax: +49 711 45923946; ; [www.uni-hohenheim.de](http://www.uni-hohenheim.de);  
<sup>2</sup>Julius Kühn-Institute, Institute for Resistance Research and Stress Tolerance, Rudolf-Schick-Platz 3,  
18190 Sanitz/OT Groß Lüsewitz  
Email\*: [christian.zoerb@uni-hohenheim.de](mailto:christian.zoerb@uni-hohenheim.de)

In this work the protein composition and quantity of diverse lupin species is presented. For this purpose protein of lupin was extracted by a fractionation. The quantity of the different protein fractions such as globulins and albumins were measured by an adequate photometric test. The protein fractions were then separately analyzed by SDS-PAGE. Afterwards the SDS gels were scanned and quantitatively evaluated by an adequate software. Every single protein band were analyzed according there changes of their i) different species, ii) different management (org./conv.). Results were shown at the poster. The further plan is to analyze interesting protein fractions by high resolution two dimensional gel electrophoresis to evaluate possible potentials to change single proteins or protein fractions by management or the choice of specific lupin species or varieties.