

Curriculum Vitae

Dr. rer. agr. Heba Elsalahy

Professional experience

- 2021 – 2022 **Post-Doc**
Project: LegumeGap (Increasing productivity and sustainability of European plant protein production by closing the grain legume yield gap)
Leibniz Centre for Agricultural Landscape Research (ZALF)
- 2020 – 2021 **Research assistant**
Agroecology and Organic Farming group
The University of Bonn, Auf dem Hügel 6, 53121 Bonn, Germany
- 2011 – 2015 **Assistant Lecturer**
Botany and Microbiology Department, Faculty of Science, Assiut University, Egypt, 71516
- 2003 – 2011 **Administrator**
Botany and Microbiology Department, Faculty of Science, Assiut University, Egypt, 71516

Education

- 2015 – 2021 **PhD in agricultural sciences** (GPA obtained: **Magna cum laude**)
Humboldt-University of Berlin, Department of Agronomy and Crop Science, Berlin, Germany
- 2008 – 2010 **Master in Plant Physiology** (GPA obtained: **Summa cum laude, A**)
Institute of Biological Production, Vegetable Systems Modelling Section, Leibniz University Hannover, Germany
- 2004 – 2005 **Preliminary master in Plant Physiology** (GPA obtained: **Excellent; 90, 43%**)
Botany and Microbiology Department, Faculty of Science, Assiut University, Egypt, 71516
- 1999 – 2003 **Bachelor of Botany** (GPA obtained: **Very good with honours; 83, 13%**)
Botany and Microbiology Department, Faculty of Science, Assiut University, Egypt, 71516

Language

- Arabic Native
- English Fluent
- German Advanced (B2)

Service to the scientific community/Publications

Journals articles (PEER REVIEW):

- Döring, T. F., and Elsalahy, H. (2022). Quantifying compensation in crop mixtures and monocultures. *Eur. J. Agron.* 132, 126408. [\[CrossRef\]](#)
- Elsalahy, H., Bellingrath-Kimura, S., Kautz, T., & Döring, T. (2021). Effects of mixing two legume species at seedling stage under different environmental conditions. *PeerJ*, **9**, 1–25. [\[CrossRef\]](#)
- Elsalahy, H. H., Bellingrath-kimura, S. D., Roß, C., Kautz, T., & Döring, T. F. (2020). Crop Resilience to Drought With and Without Response Diversity. *Frontiers in Plant Science*, **11**, 1–12. [\[CrossRef\]](#)
- Elsalahy, H., Döring, T., Bellingrath-Kimura, S., & Arends, D. (2019). Weed Suppression in Only-Legume Cover Crop Mixtures. *Agronomy*, **9**, 648. [\[CrossRef\]](#)
- Al-Bedak, O. A., Mohamed, R., & Elsalahy, H. (2019). Rapid histochemical staining method visualizing the role of *Fusarium oxysporum* catalase in xylem embolism formation and lupine wilt. *Journal of Microbiology & Experimentation*, **7**, 189–197. [\[CrossRef\]](#)
- Mohamed, R. A., Al-bedak, O. A., & Elsalahy, H. (2019). Molecular identification and artificial pathogenicity of *Fusarium solani*; the causal pathogen of wilt on *Centaurea ragusina* in Egypt. *Novelty Journals*, **6**, 32–37. [\[CrossRef\]](#)
- Mohamed, R. A. E., Elsalahy, H. H., Al-Bedak, O. A., Ahmed, H. A. E. F. M., & Hussein N. A. E. (2015). Reliable Analytic Strategy to Correlate the Morphological and Cytological Parameters on *Lupinus termis* L. against *Fusarium oxysporum* Infection. *Journal of Agricultural Science and Technology A*, **5**, 585–600. [\[CrossRef\]](#)

Conference contributions / proceedings:

- Elsalahy, H., Bellingrath-Kimura, S., & Döring, T. (2019). Allelopathic effects in species mixtures of legumes. In O. Huguenin-Elie, B. Studer, R. Kölliker, D. Reheul, M. Probo, P. Barre, ... A. Hopkins (Eds.), *Improving sown grasslands through breeding and management, Proceedings of the Joint 20th Symposium of the European Grassland Federation and the 33rd Meeting of the EUCARPIA, Zurich, Switzerland 24-27* (p. 128). Organising Committee: Zurich, Switzerland. [\[CrossRef\]](#)
- Elsalahy, Heba, & Döring, T. (2018). Effect of mixing black medic and alsike clover at different seed densities and proportions on germination rate, biomass production and weed suppression. In *In Landscape 2018 Frontiers of agricultural landscape research. . Berlin, Germany, Adlershof con.vent.* (pp. 173–174). [\[CrossRef\]](#)
- Elsalahy, H., & Döring, F. T. (2017). Response of Black medic and Alsike clover to water availability and their mixture effect at different seed densities , proportions and water regimes. In *K(C)lever Cover Copping Symposium/Workshop, Kleve, Germany.* [\[CrossRef\]](#)
- Elsalahy, Heba, & Döring, T. F. (2017). Effect of mixing Black medic and Alsike clover at different seed densities and proportions. In *In Mitteilungen der Gesellschaft für Pflanzenbauwissenschaften e. V. 28:140–141. Witzenhausen: University of Kassel.* [\[CrossRef\]](#)
- Elsalahy, h., kahlen, k., & stützel, h. (2010). Effect of salinity on leaf expansion of tomato. In in 46. Gartenbauwissenschaftliche tagung. Hohenheim: universität hohenheim. 152. [\[CrossRef\]](#)