

Dr. Ershad Tavakol

Publikationen in begutachteten Zeitschriften und begutachtete Tagungsbände

2018

Tränkner, M.; Jákli, B. & **Tavakol, E.** (2018): Functioning of potassium and magnesium in photosynthesis, photosynthate translocation and photoprotection. *Physiol. Plantarum*, available online <https://doi.org/10.1111/ppl.12747>.

2017

Geilfus, C.M.; Niehaus, K.; Godde, V., Hasler, M.; Zörb, C.; Gorzolka, K.; Jezek, M., **Senbayram, M.**; Ludwig-Müller, J. & Mühling, K.H. (2015) Fast responses of metabolites in *Vicia faba* L. to moderate NaCl stress. *PLANT PHYSIOL BIOCH* 92, 19-29.

Jákli, B.; **Tavakol, E.**; Tränkner, M.; Senbayram, M. & Dittert, K. (2017) Quantitative limitations to photosynthesis in K deficient sunflower and their implications on water-use efficiency. *Journal of Plant Physiology* 209, 20-30.

2016

Tränkner, M.; Jákli, B.; **Tavakol, E.**; Geilfus, C.M.; Cakmak, I.; Dittert, K. & Senbayram, M. (2016) Magnesium deficiency decreases biomass water-use efficiency and increases leaf water-use efficiency and oxidative stress in barley plants. *Plant Soil* 406, 409-423.

Redebeiträge bei Konferenzen

Jákli, B.; **Tavakol, E.**; Tränkner, M. & Dittert, K. (2017) Restricted CO₂ diffusion through the leaf mesophyll and not stomatal regulation limits photosynthesis in K deficient sunflower. International Plant Nutrition Colloquium (IPNC), August 21st – 24th, Copenhagen, Denmark.

Jákli, B.; Tränkner, M.; **Tavakol, E.** & Dittert, K. (2017) Restricted CO₂ diffusion through the leaf mesophyll and not stomatal regulation limits photosynthesis in K deficient crop plants. *Frontiers of Potassium*, January 25th – 27th, Rome, Italy.

Tränkner, M.; **Tavakol, E.**; Jákli, B. & Dittert, K. (2017) Photoprotective responses and PSII functionality under Mg deficiency. XVIII. International Plant Nutrition Colloquium (IPNC), August 21st – 24th, Copenhagen, Denmark.

Jákli, B.; Senbayram, M.; Tränkner, M.; **Tavakol, E.** & Dittert, K. (2015) Der Einfluss von Kalium auf die Wassernutzungseffizienz von Weizen – vom einzelnen Blatt zur gesamten Pflanze. International Conference of the German Society of Plant Nutrition (DGP), September 17th – 18th, Göttingen, Germany.

Jákli, B.; Senbayram, M.; Tränkner, M.; **Tavakol, E.** & Dittert, K. (2015) The role of potassium in optimizing water-use efficiency and drought adaptation - from single leaves to whole plants. 45th Annual Meeting of the Ecological Society of Germany, Austria and Switzerland (GfÖ), August 31st – September 04th, Göttingen, Germany.

Tränkner, M.; Jákli, B.; **Tavakol, E.**; Dittert, K. & Senbayram, M. (2014) Magnesium deficient barley plants have lower biomass water-use efficiency and increased sensitivity to excess light energy. 2nd Magnesium Symposium, November 4th – 6th, São Paulo, Brazil.

Poster bei Konferenzen

Tränkner, M.; **Tavakol, E.**; Dittert, K. & Senbayram, M. (2015) Photoprotective reactions of Mg deficient barley plants. International Conference of the German Society of Plant Nutrition (DGP), September 17th – 18th, Göttingen, Germany.

Tavakol, E.; Tränkner, M.; Jákli, B.; Dittert, K. & Senbayram, M. (2014) Adequate K supply enhances tolerance to drought situations via optimized NPQ and antioxidant activity in spring wheat. International Conference of the German Society of Plant Nutrition (DGP), September 10th – 12th, Halle (Saale), Germany.

Tränkner, M.; **Tavakol, E.**; Dittert, K. & Senbayram, M. (2014) Adequate magnesium supply increases biomass water-use efficiency and mitigates effects of excess light energy in barley. International Conference of the German Society of Plant Nutrition (DGP), September 10th – 12th, Halle (Saale), Germany.