

PERSONAL INFORMATION

Sherif Morgan

📍 Plant Botany Department, Faculty of Agriculture, Cairo University, 12613 Giza , Egypt

✉ morgan@agr.cu.edu.eg; morgan@plantuntrition.uni-kiel.de

Sex Male | Date of birth 31/07/1977 | Nationality Egyptian

WORK EXPERIENCE

- (2010 – 2015) Ph.D. student, Institute of Plant Nutrition and Soil Science, Faculty of Agricultural and Nutritional Science, Hermann Rodewald Strasse 2, D-24118 Kiel, Germany <http://www.plantnutrition.uni-kiel.de/>
- (2009 – 2010) Visitor researcher, Lab of Prof. Sylvia Lindberg, Department of Ecology, Environment and Plant Sciences, Botany, Stockholm University, Lilla Frescativägen 5, 114 18 Stockholm, Sweden. <http://www.su.se/emb/english/research/research-areas/botany>
- (2007 – TILL NOW) Assistant lecturer, Plant Physiology Division, Plant Botany Department, Faculty of Agriculture, Cairo University, Egypt.
- (2001 – 2007) Teaching assistant, Plant Physiology Division, Plant Botany Department, Faculty of Agriculture, Cairo University, Egypt.

EDUCATION

- (2015) Ph. D. (Plant Nutrition) Institute of Plant Nutrition and Soil Science, Faculty of Agricultural and Nutritional Science, Kiel University, Kiel, Germany
- (2007) M.S. (Plant Physiology) Botany Department, Faculty of Agriculture, Cairo University, Egypt.
- (2000) B.S. Plant Pathology, Faculty of Agriculture, Cairo University, Egypt.

PERSONAL SKILLS

Mother tongue(s) Arabic

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
	TOFEL 572.				
Deutsch	A1	A1	A1	A1	A1

Communication skills ▪ good communication skills gained through teaching, working with different scientific groups in different places with different cultural background and also through attending effective communication and effective presentation training courses

Organisational / managerial skills ▪ experience in practical courses management and organisation, practical lap preparation and other related demonstrations
▪ experience in lap management and lap safety

Job-related skills ▪ Strong background knowledge in, Plant Physiology, Plant Nutrition, Molecular Biology and Molecular Genetics.
▪ Strong knowledge and skills in laboratory analyses and analytical methods of plant (i.e. ratio imaging, protean isolation, detection of enzymatic activity and kinetics, calorimetrically methods, IC, GLC, HPLC, determination of endogenous phytohormones, determination of plant nutrients concentrationsetc)
▪ Addition to the physiological knowledge about plant signalling, plant metabolism pathways, photosynthesis, and plant nutrition also strong background about physiological analysis and plant sampling.
▪ Teaching experiences: Plant Physiology 201, Plant metabolism, Plant nutrition, Biology 101, Biology 103, Plant Tissue Cultureetc from 2001 up to 2008 in Plant Physiology Division, Plant Botany Department, Faculty of Agriculture, Cairo University, Egypt. Eukaryotic cell biology (practical part) 2010 in Department of Ecology, Environment and Plant Sciences, Botany, Stockholm University

Computer skills ▪ good command of Microsoft Office™
▪ statistical analyses using M-Stat
▪ good command of Photoshop
▪ data analyses using OriginPro or QtiPlot

Other skills ▪ good experience in computer hardware, some experience in simple minding of the electrical instruments and lap instrument that allow me to solve the unexpected simple problem i.e. during running an experiment or mending a centrifugeetc.

Driving licence ▪ B1

ADDITIONAL INFORMATION

Seminars and conferences

Cytosolic Ca^{2+} , Na^{+} and pH changes under saline and non-saline conditions. **Seminar** at institute of plant nutrition and soil science, Christian Albrechts University of Kiel. (December 2010) Kiel, Germany.

Calcium in plant metabolism. **Seminar** at institute of plant nutrition and soil science, Christian Albrechts University of Kiel. (April 2011) Kiel, Germany.

International **conference** of the German Society of Plant Nutrition (**DGP**). **Morgan, S.H.**, Lindberg S. and Mühling K.H. **Effect of Ca supply on cytosolic pH and Ca^{2+} in leaves of wheat plants growing under NaCl stress. (27-29 September 2011) Kiel, Germany.**

Effect of Ca on plant under abiotic stress with special reference to cytosolic reactions. **Seminar** at the department of plant physiology and plant botany, Faculty of Agriculture, Cairo University. (January 2012) Cairo, Egypt.

International conference “Plant growth, nutrition and environment interactions” (18-21 Februar 2012) Wien, Austria.

Seminars and conferences

International conference “Plant abiotic stress tolerance II”. Morgan, S.H., Lindberg S. and Mühling K.H. **Effect of Ca supply on apoplastic and cytosolic pH and Ca²⁺ of expanding leaves of Vicia faba growing under NaCl stress. (22-25 Februar 2012) Wien, Austria.**

International conference of the German Society of Plant Nutrition (DGP). Morgan, S.H., Geilfus C.M., Lindberg S. and Mühling K.H. **Calcium supply effects on apoplastic and cytosolic pH and Ca²⁺ in Vicia faba under NaCl stress. (5-8 September 2012) Bonn, Germany.**

The leaf ion homeostasis and PM H⁺-ATPase activity in *Vicia faba* under salinity. **Seminar** at institute of plant nutrition and soil science, Christian Albrechts University of Kiel. (December 2012) **Kiel, Germany.**

Effect of calcium and potassium supply on H⁺-ATPase activity and cytosolic Na⁺ and K⁺ of field bean and wheat expanded leaves under NaCl stress. **Seminar** at institute of plant nutrition and soil science, Christian Albrechts University of Kiel. (May 2013) **Kiel, Germany.**

Calcium signaling: langushe of sining in plant. Seminar at the department of plant physiology and plant botany, Faculty of Agriculture, Cairo University. (January 2014) Cairo, Egypt.

Effect of Ca supply on apoplastic and cytosolic pH and Ca²⁺ of expanding leaves of *Vicia faba*. **Seminar** at institute of plant nutrition and soil science, Christian Albrechts University of Kiel. (May 2014) **Kiel, Germany.**

Apoplastic and cytosolic Ca²⁺ and pH dynamic changes in response to extra calcium under salinity. **Seminar** at institute of plant biochemistry and physiology, University of Bielefeld. (February 2015) Bielefeld, Germany.

Publications

Morgan, SH (2015). *In vivo* detection of Ca²⁺ and pH in the apoplast and cytosol of plant leaves under salinity. Ph. D. Thesis, Inst. Plant Nut. Soil Science Fac. Agric. Nutr. Sci., Kiel Univ. Nr. 105 pp 72.

Morgan SH, Maity PJ, Geilfus CM, Lindberg S, Plieth C, Mühling KH (2015) Apoplastic and cytosolic Ca²⁺ and pH levels and dynamics in salt-stressed *Vicia faba* leaves change in response to calcium. *Env. Exp. Biol.* (submitted)

Morgan SH, Maity PJ, Geilfus CM, Lindberg S, Mühling KH (2014) Leaf ion homeostasis and plasma membrane H⁺-ATPase activity in *Vicia faba* change after extra calcium and potassium supply under salinity. *Plant Pysiol. Biochem.* 82:244-253

Morgan SH, Lindberg S, Mühling KH (2013) Calcium supply effects on wheat cultivars differing in salt resistance with special reference to leaf cytosol ion homeostasis, *Physiol. Plant.* 149:321-328

Hanafy AH, Harb EM, Higazy MA, Morgan SH (2008) Effect of silicon and boron foliar applications on wheat plants grown under saline soil conditions. *Int. J. Agric. Res.* 3 (1):1-26

Morgan, SH (2007). Some physiological studies on wheat plant growing under salinity stress conditions. M. Sc. Thesis, Fac. Agric., Cairo Univ. pp 364.