Curriculum vitae of Ahmed Sallam

Biographical

Name	:	Ahmed Mohamed Atef Sallam
Degree	:	PhD.
Position	:	Assistant Professor in Dept. of Genetics, Faculty of Agriculture, Assiut University. Assiut, Egypt
Date of Birth	:	01.03.1984, Assiut, Egypt
Marital Status	:	Married
Nationality	:	Egyptian
Current Address	:	2323 T street, Ap.14, 68503 Lincoln, NE, USA
E-mail	:	amsallam@aun.edu.eg
Website	:	http://www.aun.edu.eg/membercv.php?M_ID=1385
Education		
2000-2004	:	B.Sc. in Agricultural Sciences (Genetics), excellent with honor degree, Faculty of Agriculture, Assiut University
2006-2008	:	M.Sc. in Agricultural Sciences (Plant Breeding and Genetics).
		Faculty of Agriculture. Assiut University
		Title thesis
		Genetic variation in stem diameter in wheat (Triticum aestivum)
		L) in relation to drought and host stress tolerance
2011 2014		Dh D in Agricultural Sciences (Molecular Diant Dreading and
2011-2014	•	Ph.D. in Agricultural Sciences (Molecular Plant Breeding and
		Genetics), Division of Plant Breeding, University of Gottingen,
		Germany.
		<u>Title thesis</u>
		Detailed genetic approach to improve frost tolerance of German winter faba beans
Academic records		
2000-2004	:	Demonstrator (research and teaching assistant), Dept. of
2000 2014		Genetics, Faculty of Agriculture, Assiut University.
2008-2014	:	Assistant Lecturer (research and teaching assistant), Dept. of Genetics, Faculty of Agriculture, Assiut University.
2014-now	:	Assistant Professor (research and teaching assistant), Dept. of Genetics, Faculty of Agriculture, Assiut University.
Awards		
2011-2014	:	German Academic Exchange Service (DAAD) PhD Scholarships.

Grants

2014	:	1500 Euro (Small equipment award), SPAD meter (CCM-200 plus) German Academic Exchange Service (DAAD)			
2015	:	10,000 Euro (lab equipments) + 700 Euro/ month for up to two years, Center of Migration and Development, Germany. The grant was cut off because I travelled with wife to USA to peruse her PhD in Unviersity of Licoln-Nebraska.			
Attended workshops and training courses					
11-13.01.2006	:	Workshop on basic principles and laboratory techniques on DNA cloning, HEEPF, Genetic Engineering and Molecular Biology Contor, Assist University, Equat			
26-29.06.2006	:	Workshop on conventional PCR to Real – Time PCR , HEEPF, Genetic Engineering and Molecular Biology Center Assiut University Egypt			
13-15.05.2007	:	Training workshop to support the Egyptian participation in Seventh Program for Scientific Research funded by European Union. Food Technology Center- MEDA GO TO EUROPE project Assignt University Egypt			
12-14.04.2010	:	Training workshop in application of biotechnology, Genetics Department, Faculty of Agriculture, University Assiut Egypt			
13-17.02.2012	:	Training course in Statistics and STATISTICA, University of Göttingen, Germany.			
02-06.09.2013	:	Workshop on molecular techniques in phytopathology, University of Göttingen, Germany.			
07-11.10.2013	:	Training course on linear statistical models with R, University of Göttingen, Germany.			
12-03.2013	:	Genome analysis and marker application in plant breeding, Division of Plant Breeding, University of Göttingen,			

Germany.
2006 – 2015
Workshops on: Credit Hour System, Student Evaluation, International Publishing of Research, How to Compete For a Research, Research Team Management, Research Ethics, Strategic Planning, University Administration, Legal and Financial Aspects in University Environment, Time and Conference Management, Effective Presentation, and

Conference Organization,

Assistance in teaching undergraduate and postgraduate courses:

2005-2010	:	• Principles of genetics for students in Faculty of Agriculture.
		• Principles of genetics for students in Faculty of Veterinary
		Medicine.

Faculty

Development Center (FLDC), Assiut University, Egypt.

and Leadership

2014	 Cytogenetic techniques for students and postgraduates in Faculty of Agriculture. Population Genetics for Faculty of Science students, animal biology. Animal breeding for students in Faculty of Agriculture. Human Genetics Agricultural Genetics
Duties:	
2005-2010 2011-2014	 Conducting seminars, discussion groups, and laboratory sessions to supplement lectures. Assisting in exams preparation and administrating. Grad examination, term papers, and laboratory reports. Assisting under-graduate students in conducting their experiments of Genetics. Assisting under-graduate students through summer practical training course. Conducting experiments in green houses, field trials, frost growth chamber Genotyping using RAPD and SNPs
Attending conferences:	
28.02-01.03.2012	: Breeding crops for sustainable agricultural production international conference. Justus-Liebig-Universität Gießen, Germany.
18-20.09.2012	: Genome Research Working Group Conference of the GPZ. Martin Luther University Halle-Wittenberg. Germany.
19-21.09.2012	: Resilience of agricultural systems against crises Conference. University of Gottingen. Germany.
09-11.05.2012	: First Legume Society Conference. Novi Sad. Serbia.
17-19.09.2013	: Agricultural development within the rural-urban continuum. University of Hohenheim. Germany.
24-26 .09.2013	: Breeding for Nutrient Efficiency. University of Gottingen. Germany.
11-13.02.2014	: Conference of the Genome Research Working Group. Max Plant Institute for Breeding Research. Germany.

Publications

- <u>Manuscripts</u>
 - [1] Sallam, A., R. Martsch. 2015. Association mapping for frost tolerance using multi-parent advanced generation inter-cross (MAGIC) population in faba bean (*Vicia faba* L.). Genetica. In press. DOI: 10.1007/s10709-015-9848-z

- [2] Sallam, A., M. Hashad, EL. Hamed, M. Kadry. 2015. Genetic variation in stem characters and their relation to 1000 kernel weight and spike yield in wheat under abiotic stresses. Crop Science and Biotechnology. Accepted
- [3] <u>Sallam, A.,</u> R. Martsch, Y. Moursi. 2015. Genetic variation of morphophysiological traits associated with frost tolerance in faba bean. Euphytica. In press. DOI: 10.1007/s10681-015-1395-2
- [4] Sallam, A., EL. Hamed, M. Hashad, M. Kadry. 2014. Inheritance of stem diameter and its relationship to heat and drought tolerance in wheat (*Triticum aestivum* L.). Journal of Plant Breeding and Crop Science. 6 (1):11-13
- [5] Ali, M., G. Welna, <u>A. Sallam</u>, R. Martsch, C. Balko, O. Sass, W. Link. 2015. Mapping and association analysis of frost and drought stress tolerance in faba bean (*Vicia faba* L.). Crop Science. Awaiting reviewer scores
- [6] <u>Sallam, A.,</u> R. Dhanapal A, Liu S. 2015. Genetic studies on frost tolerance and winter hardiness in German winter faba bean. Submitted in Genetic Resource and Crop evaluation.
- [7] Salem K., <u>A. Sallam</u>. 2015. Population structure and genetic diversity assessment in rice using SSR markers. Submitted in Genetic Resource and Crop evaluation.
- <u>Conferences (Abstract + poster)</u>
 - [1] Sallam, A., M. Omara, El. Hamed, M. Hashad. 2009. Genetic variation in stem diameter in wheat (*Triticum aestivum* L.) in relation to drought and heat stress tolerance. International Conference (Abiotic Stress Tolerance in Plants). Vienna. Austria. 8-11 February 2009. N. 247(168).
 - [2] Sallam, A., El. Hamed, M. Hashad, M. Omara. 2012. Genetic variation of stem Characters in wheat (*Triticum aestivum* L.) and their relation to yield components under drought and heat Stress. Resilience of Agricultural Systems Against Crises Conference. Goettingen University, Germany. 19-21 September 2012. P 141
 - [3] Sallam, A. and W. Link. 2012. The Göttingen frost tolerance test for winter faba beans. Genome Research Working Group Conference of the GPZ. Martin Luther University Halle-Wittenberg, Germany. 18-20 September 2012. P 26.
 - [4] Oberländer, A., <u>A. Sallam</u>, R. Martsch and W. Link. 2012. Genetic variation for aspects of frost-tolerance in the Göttingen Winter Bean Population. Breeding crops for sustainable agricultural production international conference Justus-Liebig-Universität Gießen. Germany. 28 February – 01 March 2012. P 48.
 - [5] Ali, M., G. Welna, <u>A. Sallam</u>, C. Balko, O. Sass, M. Senbayram, R. Martsch, W. Link. 2013. Breeding research for abiotic stresses tolerance in faba bean (*Vicia faba* L.). First Legume Society Conference. Novi Sad, Serbia. 09-11 May 2012. P 73.

- [6] <u>Sallam, A.</u>, N. El-Sayed, M. Hashad, M. Omara. 2013. Combing Ability Analysis for stem characters and yield components in wheat (*Triticum astivum* L.) under drought and heat Stresses. Agricultural development within the rural-urban continuum. University of Hohenheim, Germany. 17-19 September 2013. P 228.
- [7] Ali, M., G. Welna, <u>A. Sallam</u>, C. Balko, O. Sass, M. Senbayram, R. Martsch, W. Link. 2013. Research on abiotic stress tolerance based on the Göttingen Winter Bean population. Building a new research alliance to reclaim Faba bean production area abandoned to Orobanche" Workshop, Rebate, Morocco. P 28.
- [8] Ali, M., G. Welna, <u>A. Sallam</u>, C. Balko, O. Sass, M. Senbayram, R. Martsch, W. Link. 2014. Association analysis of abiotic stresses tolerance in winter faba bean (*Vicia faba* L.). Conference of the Genome Research Working Group, Max Plant Institute for Breeding Research. 11-13 February 2014. P 48.

Reviewership:

- International Journal of Plant & Soil Science.
- Journal of Genetic Engineering and Biotechnology.

Experiences:

- <u>Methodology</u>: Plant breeding methods, DNA isolation, Gel documentation, Genetic engineering, Cytogenetic techniques, PCR, Electrophoresis, Molecular marker (RAPD, AFLP, SSR, SNPs), Association analysis, QTL mapping, Analysis of leaf fatty acid composition.
- <u>Softwares</u>: Plabstat, Plabplan, SAS (fair), R statistics, STATISTICA, TASSEL 3.0, QTL network, Mapmaker 3.0, Mapchart 2.0, STRTUCTURE 2.3.4 for population genetic structure, Genelex. Power Marker.

Field of study:

• Quantitative genetics, Population genetics, Molecular plant breeding, Plant genetics, and Cytogenetics.

Language:

• Arabic (mother language), English, and German

References

Prof. Dr. Heiko Becker
 Department of Crop Sciences
 Georg-August-Universität Göttingen
 Von Siebold 8
 37075, Göttingen, Germany
 Email: hbecker1@gwdg.de

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- 2- Prof. Dr. Mohamed Omara Department of Genetics Faculty of Agriculture Assiut Univeriy 71529, Assiut, Egypt Email: <u>mkomara12@gmail.com</u> <u>mkomara@aun.edu.eg</u>
- 3- Dr Ahmed Abd-Elmagid Postdoctoral Research Associate Plant Agriculture Department, Guelp University Guelph, Ontario, Canada, N1G 2W1 <u>Email</u>: <u>aabdelma@uoguelph.ca</u>
- 4- Dr. Bernd Horneburg Department of Crop Sciences Georg-August-Universität Göttingen Von Siebold-Str. 8
 37075 Göttingen, Germany Email: bhorneb@gwdg.de