



# CURRICULUM VITAE

DIAA ABD EL-MONEIM

*Objective: To obtain a challenging research position in the area of Molecular Genetics and agricultural biotechnology at a reputed organization*

**Diaa Ahmed**  
**25/04/2014**

# Name: Diaa Ahmed Mohamed ABD EL-MONEIM

## PERSONAL INFORMATION

**Contact Number:** (+34)631171611  
**Date of Birth:** 1 December 1980  
**Country of birth:** Egypt  
**Marital status:** Married  
**Gender:** Male  
**Skype account:** Diaamoneim

**E-mail:** Diaamoneim@gmail.com  
d.ahmed@cnb.csic.es  
**State of birth:** Zagazig  
**Nationality:** Egyptian  
**Children:** 2 Girls  
**Military Service:** Exempted

## Current postal address

### Work Address:

C/ Darwin, 3, Department Plant  
molecular genetics. National  
Biotechnology Center, UAM, PB (28049) –  
Madrid - Spain

### Home Address:

C/ Pablo Luna, 8, 3D – P.BOX (28046) -  
Madrid - (Spain)

## EDUCATION AND QUALIFICATION

PhD in Plant Biology (genetic) *	Complutense University (Spain)	excellent	2012
MSc Plant Breeding and Genetics**	Suez Canal University (Egypt)	excellent	2007
Diploma in Plant Breeding and genetics**	Suez Canal University (Egypt)	excellent	2002
BSc (HONS) Environmental and Agricultural Sciences**	Suez Canal University (Egypt)	excellent	2001

(\*)You can download a complete copy from my doctoral thesis from this site <http://eprints.ucm.es/16662/>.

(\*\*) An Equivalent Certificate from Complutense University in Spain and equal 3 from 4.

## EMPLOYMENT

<b>Lecturer (part time)</b>	Faculty of Biology (Autonoma university) (Spain)	2013 till now
<b>Post-doctoral</b>	Spanish National centre of Biotechnology (department of molecular genetic) (Spain)	2011 till now
<b>Lecturer (full time)</b>	Faculty of Agricultural and Environmental Sciences - Suez Canal University (Egypt)	2012
<b>PhD student and Teaching Assistance</b>	Faculty of Biology (Complutense university) (Spain)	2008 till 2011
<b>Assistant Lecture</b>	Faculty of Agricultural and Environmental Sciences – SCU (Egypt)	2007 till 2008
<b>Demonstrator</b>	Faculty of Agricultural and Environmental Sciences- SCU (Egypt)	2001 till 2007

## RESEARCH AREA

### \*Main area:-

- 1- Plant breeding for Abiotic stress
- 2- Application of classical and molecular breeding & genetics for plant improvement.
- 3- Analysis of complex traits specifically abiotic stress tolerance, using genomics techniques.
- 4- Plant Genetics & Breeding, for drought, Salt and aluminium tolerance.

### \*Synopsis of Current Research:-

My current research have two main goals: First, an academic goal that involves characterization of the molecular mechanisms that control E3 (in particular CRL4) activity as integrators of different stress signals. Second, an applied goal in which we aim to identify regulatory proteins whose manipulation helps to obtain plants that are better adapted to abiotic stresses. To fulfil both goals we will focus on three specific objectives that can be summarized as:

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1. Characterization of DDA1 functions in ABA and DNA damage signal integration.
2. Identification of new components of CRL4 complexes that regulate abiotic stress responses.
3. Isolation of specific protein and DNA targets of CRL4 components.
4. Functional characterization of CRL4 regulatory components under different stress conditions. Evaluation of their biotechnological potential.

To accomplish them I use a multidisciplinary approach, including plant genetics, molecular biology and proteomics tools.

## **RESEARCH ACTIVITIES AND SKILLS**

### **Research Activities:-**

**1-B.Sc.:-** Studied the agricultural, environmental and biological sciences during four years with Major Grade: Excellent with Honor grade (85.74%).

### **2- Diploma in Plant Breeding and genetics: -**

Postgraduate Specialization Courses. Formal lectures are complemented by tutorials, working groups, practices, round table discussions and visits to centres of experimentation and seed companies.

### **3-MSc degree:-**

Thesis title: (Evaluation of Some Different Wheat Genotypes for Tolerance to Stress Conditions in North Sinai) The main objectives are:- Evaluating 30 bread wheat genotypes under the effect of some stress factors:-

#### **I Abiotic stress like drought tolerance**

- 1- Screening and selection Physiological Characteristic (germination experiment) related to Drought Resistance
- 2- Evaluating performance and degree of stress tolerance of the ten selected bread wheat genotypes tested under normal and soil moisture deficit condition.
- 3- Investigating the interrelationships among all traits studied to determine the important one's which can be used as selection criteria for drought stress tolerance.
- 4- Estimating some genetic parameters as basis of improving bread wheat under water stress condition.

#### **II Biotic stress like disease resistance**

- 1- Testing the behaviour of certain wheat cvs. and / or high yielding lines under epidemic circumstances of leaf rust.

### **4-PhD degree:-**

Thesis title :( Isolation, Structural Characterization and Regulation of the Expression of Genes Involved in Aluminium Tolerance in Rye) the main objectives were:-

- 1- To investigate Genetic Diversity among Rye Germplasm for Al resistance was studied with a collection of 50 rye genotypes
- 2- study the root exudation of organic anions as a potential mechanism of Al resistance operating in rye
- 3- To study Variance of gene ScALMT1 between and within Rye germplasm was studied with a collection of 50 rye genotypes
- 4- Cloning of major candidates genes (Krebs cycle and cell wall ( MDH1 & MDH2 & CS & FUM and PME )\*) from rye involved in Al tolerance using the reference sequence from wheat or rice
- 5- To investigate the structure and gene expression of these novel genes in tolerant and non-tolerant cultivars.

\*MDH: malic dehydrogenase & \*CS: Citrate Synthase & \*FUM: Fumarase & \*PME: Pectin methylesterase

### **5-Scientific project Activities:-**

- 1- Member of the Research Team of: (Increasing grain yield and Disease and Pests Control of the selected of old local superiority of wheat and barley by applied the recommended package for growing wheat under North Sinai conditions) from 2001 until 2008.
- 2- Member of the Research Team of the cooperation between plant breeding centre in my faculty and ICARDA centre to test several genotypes under drought conditions and rusts diseases either than field or lab from 2001 until 2005 .
- 3- Member of the Research Team of (Isolation, Structural, Characterization and Regulation of the expression of Genes of the ALMT and MATE families of Aluminium tolerance in rye from 1/3/2008 until 2012.
- 4- Member of the Research Team of (Role of ubiquitin in the control of plant growth and stress tolerance) from 1/10/2011 until now. <http://www.cnb.csic.es/index.php/en/investigacion/345-vicente-rubio-ubiquitina.html>.

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## 6-Research skills:-

### Field and greenhouse work:-

- 1- Conducted breeding, agronomic, isolations, replicated and regional trials for promising genotypes
- 2- Selection and maintenance of testing locations and operating research planting and harvesting equipment
- 3- control data collection and data quality control and harvesting
- 4- Carrying out work on developing selection strategies and phenotyping wheat and *Arabidopsis thaliana* germplasm for various key abiotic stresses; morph physiological studies on major abiotic stresses; data recording.
- 6- Industrial infection with fungi for different cultivars to examine the ability of fungi resistance

### Lab work:-

Basic techniques in plant molecular biology:-

- 1- Polymerase Chain Reaction (PCR).
- 2- DNA extraction purification and sequencing.
- 3- Gel electrophoreses (agarose, polyacrylamide) RNA and DNA agarose gel electrophoresis
- 4- Gene expression analysis (RNA Extraction, cDNA synthesis, Western and Southern Blotting, Rq-PCR).
- 5- Gene Cloning
- 6- Bacterial transformation.
- 7- Yeast two hybrid technique
- 8- Bimolecular fluorescence complementation (BiFc)

### Marker techniques:-

- 1- Restriction Fragment Length Polymorphism (RFLP)
- 2- Simple Sequence Repeats (SSRs)
- 3- Amplified Fragment Length Polymorphism (AFLP) RAPD
- 4- Inter Simple Sequence Repeats (ISSRs)
- 5- Constructing genetic map, QTL mapping and MAS

### Physiological studies:-

- 1- seed germination test under different conditions (drought, aluminium, and salt) and measuring all the parameters that involved in these conditions.
- 2- hematoxyline stain test for the roots
- 3- Measuring Different organic acids

## **TEACHING EXPERIENCE AND ACTIVITY**

### \* During Assistant Lecturer in Suez Canal University (Egypt):-

- seven years of teaching experience from 2001 till 2008 in Teaching experience in practical and theoretical courses (**plant breeding, Genetics, Design & Analysis of Experiments, Crops Production, Pastures and their improvements, Molecular genetics**) for undergraduate and postgraduate students. Including timetabling, lecturing, planning and supervising laboratory classes and setting and assessment of student coursework.
- Supervising Field Work in Case Study in different Environment locations around my faculty, Egypt
- Participating in implementing the research farm of the faculty.

### \* During Teaching Assistant and Lecturer in Complutense and Autonoma Universities (Spain):-

I worked full Time as Teaching Assistant on BSc module in Complutense University of Madrid (Spain) during three academic years from 2009/2010 to 2011/2012. Also from September 2013 till now I worked as lecture in the faculty of Biology - Autonoma University.

My responsibility was supervising and taught in theoretical and practical sections and involves the students into an active participation to learning by joining the lessons with articulate didactic activities such as seminars, reading and discussion of research papers.

#### List of course:-

- 1- Plant Molecular genetic – 1<sup>st</sup> year- Department of Genetic – Faculty of Biology – UCM.
- 2- Basic genetic- 1<sup>st</sup> year- Department of Genetic – Faculty of Biology – UCM.
- 3- Practical Genetic – 2<sup>nd</sup> year- Department of Genetic – Faculty of Biology – UCM.
- 4- Classical Genetic - 2<sup>nd</sup> year- Department of Biochemistry – Faculty of Biology – UAM.
- 5- Protein structure and function- 1<sup>st</sup> year- Department of Biochemistry – Faculty of Biology – UAM.

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## OTHER ACTIVITY

### \*Management:-

- 1- Central lab of molecular biology and biotechnology, Faculty of Environmental Agricultural Sciences –Suez Canal University. Egypt.
- 2- Plant breeding unit - Faculty of Environmental Agricultural Sciences –Suez Canal University.

### \*Language Skills:-

Mother tongue	Arabic			
Other languages: 1 = native speaker, 2 = excellent, 3 = good, 4 = weak, 5 = no knowledge				
	English	Spanish	French	German
Speaking	2	2	4	5
Writing	2	2	4	5
Reading	2	2	4	5
Understanding	2	2	4	5

### \*Certificates:-

- 1-TOEFL with Score **570**.
- 2-Spanish Course with level I from (**Inhispania**) (international language centre).
- 3-official Spanish course with level II from official language school of Madrid.
- 4- Certificate refer that i finished all my postgraduate courses in English.

### \*Bioinformatics and professional software skills:-

- 1-I have **ICDL** certificate (International Computer Driving Licence) from **UNISCO**.
- 2- Experienced with operating system, including Windows and using internet, Microsoft Word, Excel and Power point
- 3- Molecular Biology: Vector NTI (Invitrogen), ChromasPro. , Oligo Programme
- 4-Genetics Analytic Tools: Linkage analysis-Map maker, Pedigree analysis
- 5-Familiar with various molecular databases, such as homology search, Entrez Databases, Data mining, BLAST, Multiple sequence alignment, Evolutionary analysis with Clustal W.
- 6- Experienced in using software for DNA sequence analysis and phylogenetic analysis
- 7-Primer designing, restriction maps, protein structure prediction from sequences, structural analysis.

## AWARDED SCHOLARSHIPS

- 1- **Visit** to Hungary (1st –15th August, 2000) as an educational trip. It was an appreciation for getting the first position in the 3rd year during the year 1999/2000 funded from Suez Canal University.
- 2- **Research stay** from 3 to30-8-2007 in France, doing research at the Institute Polytechnique, LaSalle Beauvais, France. In the topic (The diagnosis and quantification of fungal parasites of wheat leaves by PCR).
- 3- Scholarship to study **PhD** in the Complutense University of Madrid –faculty of Biology –Department of Genetics from Erasmus Mundus External Cooperation Window (**EM ECW**), financed by the European Commission from 1-3-2008 to 31-12-2010.
- 4- **Postdoctoral** Scholarship in Plant molecular genetic department – National biotechnology centre(CNB)- Madrid – Spain , Financed by the (Agencia Española de Cooperación Internacional para el Desarrollo (**AECID**) from 1-10-2011 to 30-9-2014

## HONORS AND AWARDS

- 1- I got a certificate of a scientific excel in Bachelor degree to finished my undergraduate studies from (1997/ 1998) to (2000/2001) academic years in First Position continuous
- 2- I got the title of the model student in the faculty during 1999/2000.
- 3- Excellent Young scientist selected by North Sinai Province for Academic year 2007 / 2008.
- 4- Award for Excellent Assistant Lecturer of Suez Canal University.
- 5- Award of best thesis from Complutense university of Madrid .

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## TRAINING AND WORKSHOPS

- 1- Leadership preparation workshop, 2-8/04/1999, Leadership preparation institute, Helwan, Ministry of higher education. **Egypt.**
- 2- Attend Training Course on Molecular Biology and Principles of Genetic Engineering held from 8-11/1, 2005 at the Faculty of Science, Ain-Shams University, **Egypt.**
- 3- A workshop on the Diseases Problems that influence wheat production and Breaking the wheat gap in Egypt 22-23/3, 2005, Agricultural Research centre, Giza, **Egypt.**
- 4- Using the Applied Statistics in Agricultural Research Field by using SPSS 3-6/4.06. Faculty of Environmental Agricultural Sciences, Suez Canal University, **Egypt.**
- 5- Lecture preparation workshop Preparation Course Attend college professor held on 1-20/10, 2006 in Faculty of Education - Suez Canal University. **Egypt.**
- 6- Implementation of Genetic Engineering and Biotechnology and Radioisotope in Biological and Agricultural fields 5-16 /11.06 Middle Eastern Radioisotope Centre for The Arab Countries, Cairo, **Egypt.**
- 7- Characters and ethics of career workshop, 24-26/3-2007, Faculty of Education, El-Arish, Suez Canal University, **Egypt.**
- 8- Attend English Course (TOEFL) in international language. From 24.6: 5-7-2007 centre in Suez Canal University, **Egypt.**
- 9- Attend Training Course on Assist technology of prevention and treatment of crop diseases and pests, held on 10/10 to 25/11, 2007 at China Agricultural University. Beijing, **China.**
- 10- Participation in the Seminar on The role of biotechnology in the conservation of genetic resources "from 2:3-12, 2007 in Faculty of Agriculture. Saba Basha, Alexandria University, **Egypt.**
- 11- Attend Course ICDL (International Computer Driving License) 28/12/2007. In Cairo UNISCA office, **Egypt.**
- 12- Attend Spanish Course in (Inhispania) (international language centre) from 17-3: 4/4/2008 in Madrid, **Spain.**
- 13- Attend Spanish course at official language school from 1-10 -2008: 28/1/2009 in Madrid, **Spain.**
- 14- Attend Course on plant bioinformatics, systems and synthetic biology held from 27:31-7, 2009 in Centre for integrative systems biology, University of Nottingham, **UK.**
- 15- EMBL-EBI Roadshow - Murcia, **Spain.** 02 - 04 February 2011, CEBAS-CSIC Murcia, **Spain.**
- 16- Attend course "Introduction to protein structure analysis and prediction". 26-28th November, CNB-CSIC Madrid, **Spain**
- 17- Other courses and personal communications in University of Complutense, from 2008 to 2012, Madrid, **Spain.**

## POSTERS / PRESENTATIONS IN INTERNATIONAL CONFERENCES

### \*Conferences:-

- 1- Participation in the Congress and Executive Committee Member, 10th International Crop Science held on 7: 10, October, 2003 in the Faculty of Agriculture and Environmental Sciences organized by (SCU) - **Egypt.**
- 2- Participation in the second congress of the Africa Genome Initiative "Genomics and African society", 26-29, March, 2004, Giza - **Egypt.**
- 3- Participation in the International Congress of Genetic Engineering and its Application from 8:11, Abril, 2004, Sharm El-Sheikh - **Egypt.**
- 4- Participation in the Third Congress of Sustainable Agricultural Development held from 7-9, December, 2007 Faculty of Agriculture, Fayoum -**Egypt.**
- 5- Participation in XXXVII Congress of the Spanish Society of Genetics held on 29-9: 2-10, 2009, Malaga-**Spain.**
- 6- Participation in Plant Genomics European Meetings, 7-10, 2009. Lisbon - **Portugal.**
- 7- Participation in International Conference on Drought Management, 4-6, March 2010. Istanbul-**Turkey.**
- 8- Participation in V conference of Plant Breeding 7-9 July, 2010. Madrid- **Spain.**
- 9- Participation in Symposium Genetics of Plant Mineral Nutrition, 30 /9 - 2 /10, 2010 - Hannover –**Germany.**
- 10- 1<sup>st</sup> Congress of Cereal Biotechnology and Breeding, 24-27 May, 2011- Szeged, **Hungary.**
- 11- Participation in XXXVII Congress of the Spanish Society of Genetics, 21 -23 September, 2011 - Murcia, **Spain.**
- 12- Participation in meeting of molecular Biology of plants, 14-16, June, 2012-Segovia – **Spain.**
- 13- Participation in International Conference and Annual Meeting of the Ubiquitin like proteins and their cognate PCI complexes, 18-21, September ,2012, Munich – **Germany.**

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### \*Communications:-

Oral communication presented at XXXVII Congress of the Spanish Society of Genetics held on 29.9: 2-10, 2009 in Malaga, Spain, organized by the University of Malaga in the session improvement and plant biotechnology.

### \*Posters:-

- 1- **Abd El-Moneim D.**, Silva-Navas J., Figueiras A. M., Gallego F. J., Benito C. (Aluminium tolerance and malic dehydrogenase mitochondrial in rye ). Proceeding of Conference Spanish genetic society (OR36), Universality of Malaga, 29-9 to 2-10-2009 Malaga, **Spain**.
- 2- Silva-Navas J., Salvador N., **Abd El-Moneim D.**, Benito C., Gallego F. J. (Isolation and characterization of genes from the family *ALMT* related to aluminium tolerance in rye *ScALMT2* and *ScALMT3* ). Proceeding of Conference Spanish genetic society (PS133), Universality of Malaga, 29-9 to 2-10-2009 Malaga, **Spain**.
- 3- Silva-Navas J., Gallego F. J., Ramos T., Matos M., Pinto-Carnide O., **Abd El-Moneim D.**, Figueiras A. M., Benito C (Evolution of *AACT1* Gene (*MATE*) for aluminium tolerance triticina). Proceeding of Conference Spanish genetic society (PS134) Universality of Malaga, 29-9 to 2-10-2009 Malaga, **Spain**.
- 4- J.Silva-Navas., M.Matos.,N.Salvador.,T.Ramos.,O.Pinto-Carnide.,**D.Abd El-Moneim.**, B.Tellez-Robledo., F.J.Gallego., C.Benito ( Expression Profiling Of Rye Under Aluminium Stress Using Microarrays ) 07-10 October 2009. Lisbon, **Portugal**.
- 5- **Abd El- Moneim, D.A.**; I.N.Mohamed; A.H. Belal and M.E. Atta (Screening Bread Wheat Genotypes for Drought Tolerance) Second International Conference on Drought Management. 4 – 6 March 2010, Istanbul, **Turkey**.
- 6- **D. Abd El Moneim**, J. Silva-Navas, F.J. Gallego, A.M. Figueiras, C. Benito (Pectin methylesterase (PME) enzyme and the aluminium tolerance in (*Secale cereale L.*)) V conference of Plant Breeding. 7-9 July 2010, Madrid, **Spain**.
- 7- Salvador N., Silva-Navas, Matos M., Ramos T., **Abd El-Moneim D.**, Téllez-Robledo B., Pinto-Carnide O., Gallego F.J. y Benito C. ( Cambios de expresión génica en centeno inducido por estrés con aluminio ) V conference of Plant Breeding 7-9 July 2010, Madrid, **Spain**.
- 8- A.L. Garcia-Oliveira, **D. Abd El-Moneim**, J. Silva-Navas, H. Guedes-Pinto, C. Benito and P. Martins-Lopes ( Genetic dissection of the “Multidrug and Toxins Efflux” *AACT1* gene in wheat) V conference of Plant Breeding 7-9 July 2010, Madrid, **Spain**.
- 9- Ana Luísa Garcia-Oliveira, **Diaa Abd El-Moneim**, César Benito, Henrique Guedes-Pinto, Paula Martins-Lopes (The role of fumarase in wheat and rye roots under aluminium stress. 1<sup>st</sup> Congress of Cereal Biotechnology and Breeding, 24-27 May, Szeged, **Hungary**).
- 10- **Abd El-Moneim D**, Silva J, Gallego FJ, Figueiras AM, Benito C ( Aislamiento de los genes para citrato sintasa (CS) y fumarasa (FUM) en centeno cambios en su expresión por estrés con aluminio ) XXXVII Congress of the Spanish Society of Genetics held on 21.9: 23-9, 2011 in Murcia, **Spain**.
- 11- Santos E, Matos M, Barros MJ, **Abd El-Moneim D.A.** , Gallego FJ, Figueiras AM, Benito C, Pinto-Carnide O (Tolerancia al aluminio en diferentes especies del género *Secale* y expresión de genes candidatos). XXXVII Congress of the Spanish Society of Genetics held on 21.9: 23-9, 2011 in Murcia, **Spain**.
- 12- Sánchez-Parra B, **Abd El-Moneim D**, Figueiras AM, Benito C (Tolerancia al aluminio: aislamiento, variabilidad y expresión de genes de superóxido dismutasa (SOD) en centeno) XXXVII Congress of the Spanish Society of Genetics held on 21.9: 23-9, 2011 in Murcia, **Spain**.
- 13- Elisa Iniesto, María Luisa Irigoyen, Amr A. Nassrallah, **Diaa Abd-El Moneim**, Jennifer Esteban, Xing Wang Deng, y Vicente Rubio (Integración de señales de estrés abiótico y del desarrollo mediada por DDA1 y complejos ubiquitina ligasa CRL4) meeting of molecular Biology of plants, 14-16, June, 2012-Segovia – **Spain**

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- 14- María Luisa Irigoyen Elisa Iniesto, Amr A. Nassrallah, **Diaa Abd-El Moneim**, Jennifer Esteban, Xing Wang Deng, y Vicente Rubio (Integration of abiotic stress and developmental signals mediated by DDA1 and CRL4 ubiquitin ligases) Conference and Annual Meeting of the Ubiquitin like proteins and their cognate PCI complexes, 18-21, September ,2012, Munich – **Germany**.

## **PUBLICATIONS**

- 1- **Diaa Abd El-Moneim**, Javier Silva-Navas, F. Javier Gallego, Ana M. Figueiras, César Benito. (*On the consequences of aluminium stress in rye: repression of two mitochondrial malate dehydrogenase mRNAs*) **Accepted** in plant Biology 4/2014.
- 2- J. Silva-Navas, **D. Abd El-Moneim**, C. Benito , B. Téllez-Robledo and F.J. Gallego. (*ScaACT1 (ScMATE) gene contributes to aluminium tolerance in rye Secale cereale L. at the Qalt5 locus*), Mol Breeding 30:845–856. 2012.
- 3- **Diaa Abd El-Moneim**, R. Contreras, Javier Silva-Navas, F. Javier Gallego, Ana M. Figueiras, César Benito (*Pectin methylesterase gene and aluminum tolerance in Secale cereale*) submitted to publish in Environmental and Experimental Botany 2014.
- 4- Beatriz Sanchez-Parra, Ana M. Figueiras, **Diaa Abd El-Moneim**, Roberto Contreras, Raquel Rouco, F. Javier Gallego, Cesar Benito (*The role of two superoxide dismutase mRNAs in rye aluminum tolerance*). Submitted to publish in Plant Research journal 2014.
- 5- **Diaa Abd El-Moneim**, R. Contreras, Javier Silva-Navas, F. Javier Gallego, Ana M. Figueiras, César Benito (*Changes in the expression of two rye mitochondrial Citrate synthase and Fumarase genes induced by aluminum stress*) submitted to publish in Plant Research Journal 2014.
- 6- **Abd EL-Moneim, D.A.**; I.N.Mohamed; A.H. Belal and M.E. Atta (Screening bread Wheat Genotypes for drought Tolerance (1- germination, radical growth and Mean performance of yield and its components). Annals Agric. Sci. Ain Shams Univ., 53 (1) 171-181, 2008. And published in the proceedings of the Second International Conference on Drought Management (4-6) March **2010** in a special issue of the CIHEAM journal.
- 7- **Abd EL-Moneim, D.A.**; I.N.Mohamed; A.H. Belal and M.E. Atta( Screening bread Wheat Genotypes for drought Tolerance 2- Genetic Parameters, Association and path coefficient analysis ). Arab Uni. J. Agric. Sci., Ain Shams Univ., Cairo, 16 (2) , 351-368, **2008**.
- 8- **Abd EL-Moneim, D.A.**; I.N.Mohamed; A.H. Belal and M.E. Atta (Evaluation of Some Wheat Genotypes to Leaf Rust Infection in Egypt). Egypt. J. Appl. Sci. V23 No (8A) 126 – 144, **2008**.
- 9- **Abd EL-Moneim, D.A.**; I.N.Mohamed; A.H. Belal and M.E. Atta (Biochemical Changes Associated with Leaf Rust Infection on Thirty Wheat Genotypes). Egypt. J. Appl. Sci. V23 No (8A) 145 – 164, **2008**.

## **MEMBERSHIP IN SCIENTIFIC SOCIETIES**

- 1- Member of Egyptian Genetics Society.
- 2- Member of Egyptian Society of Biochemistry and Molecular Biology.
- 3- Member of Spanish Genetic society.
- 4- Member of Egyptian society of Biotechnology and environmental sciences, Egypt.

## **SOCIAL ACTIVITIES**

- 1- Chairman of the board vice of The AMYD (Association of Millennium Youth Development) and I have various and varied activities:-
  - \* Caring about the environmental through planting trees in main streets in El-Arish city
  - \* Helping poor families get clothes especially in winter
  - \* Working on children illiteracy project.
- 2-Attending the Environmental Week (24th – 29th, 2005)

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3- Got the position of the Head of the Cultural Committee in student's union during the years (1999/2000 & 2000/2001).

4-Volunteering and participating in the (Egyptian Cultural Week) held in Madrid, Spain, from 2 to 8 September 2009

Interests:

Reading, technology, computer, Internet, Research and Knowledge

## REFERENCES

### 1-Web sites

- 1- <http://scuegypt.edu.eg/ar/>
- 2- [http://agrisc.scuegypt.edu.eg/?page=pages&page\\_id=150](http://agrisc.scuegypt.edu.eg/?page=pages&page_id=150)
- 3- <http://www.cnb.csic.es/index.php/en/home/genetica-molecular-de-plantas/papel-de-la-ubiquitina-en-el-control-del-desarrollo-y-de-la-tolerancia-a-estres-en-plantas.html>

### 2-Faculty of Environmental Agricultural Sciences – Suez Canal University

St. Dahiat El Salam, 45516, El –Arish, North Sinai (Egypt)

### 3- Prof. Abd El-Fatah Helmy Belal

Prof. of Agronomy

Vice Dean of Graduate Studies and Research

Faculty of Environ. Agric. Sci. Suez Canal University, Egypt.

Fax: +20-068-3320387

Tel: +20-068-3320385

Mobil: +20-010-1553869

Email: [Belal.crops@gmail.com](mailto:Belal.crops@gmail.com)

### 4- Prof. César Benito Jiménez, Catedrático

Departamento de Genética

Facultad de Biología, Universidad Complutense de Madrid.

C/ José Antonio Novais nº 2, 28040 Madrid

Tel: +34 913945132

Fax: +34 913944844

Email: - [cebe8183@bio.ucm.es](mailto:cebe8183@bio.ucm.es)

### 5-Dr. Francisco Javier Gallego Rodríguez

Departamento de Genética

Facultad de Biología, Universidad Complutense de Madrid.

C/ José Antonio Novais nº 2, 28040 Madrid

28040-Madrid

Tel: +34 913945132

Fax: +34 913944844

E-mail: [fjgallego@bio.ucm.es](mailto:fjgallego@bio.ucm.es)

### 6-Dr. Vicente Rubio

Centro Nacional de Biotecnología-CSIC

Darwin, 3. Campus de la UAM. Cantoblanco.

28049, Madrid. Spain.

Phone: (34) 91 585 4700 (Office)

Phone: (34) 91 585 4681 (Lab)

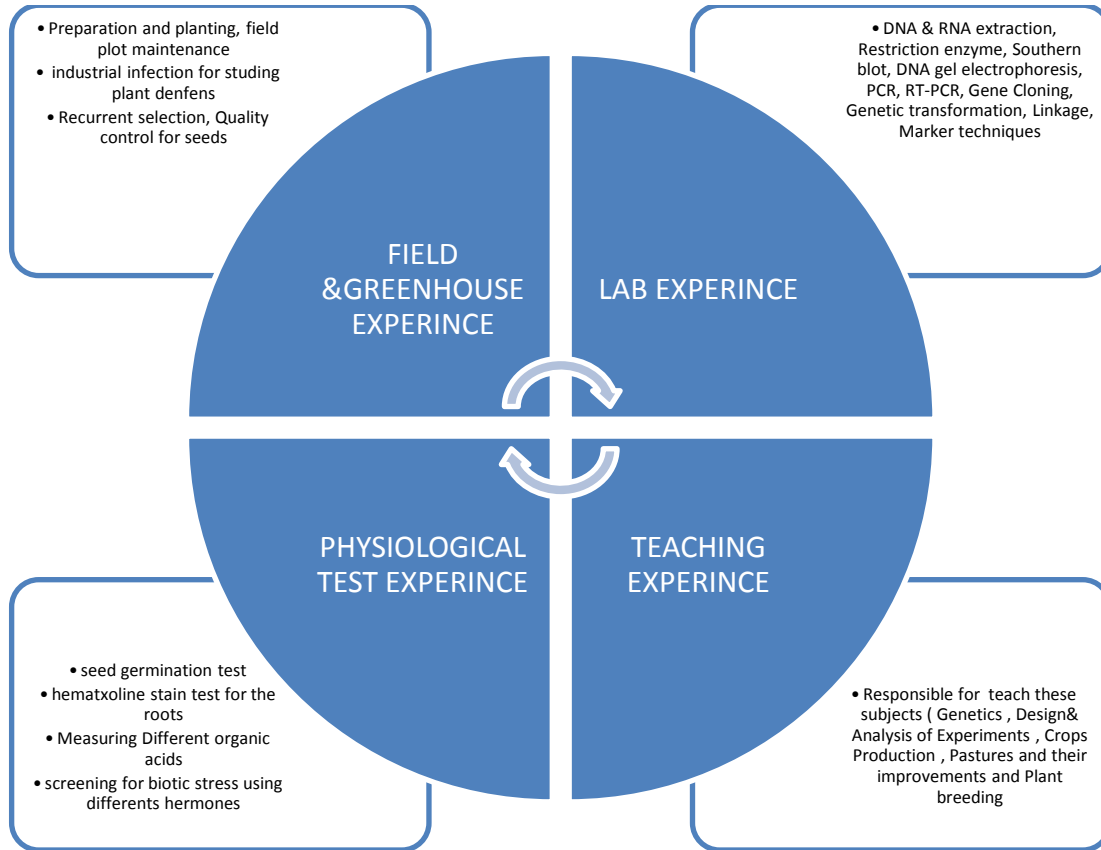
Fax: (34) 91 585 4506

Email: - [vrubio@cnb.csic.es](mailto:vrubio@cnb.csic.es)

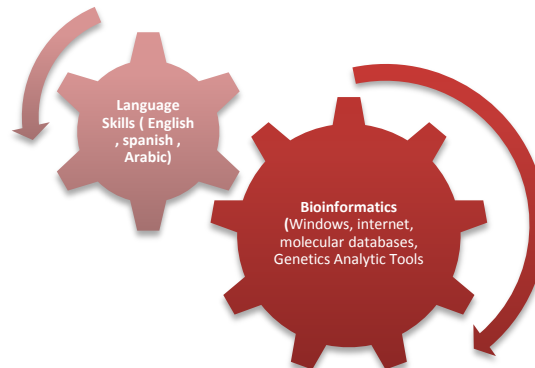
# GENERAL VIEW

I have a good experience in breeding crops in general and cereals crops for biotic and abiotic stress. Biotic stress like drought, heat, aluminium and salt tolerance. Abiotic stress like diseases. This experience from 2001 until now. In addition, utilized molecular markers in breeding crop varieties, along with conventional breeding. Also, statistical data analysis. Comprehensive knowledge and experience in molecular biology, molecular genetics, tissue culture. DNA & protein analysis.

## My experience divided to



## My skills divided to



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