



CURRICULUM VITAE

Prof. Dr. Mohamed Fouad M. ABDALLA

CONTENTS

* PERSONAL DATA
* ACADEMIC QUALIFICATIONS & EMPLOYMENT HISTORY
* SCIENTIFIC RECOGNITIONS AND MERIT AWARDS (LOCAL, REGIONAL, AND INTERNATIONAL)
* RESEARCH MANUSCRIPT/PROJECT PROPOSAL REVIEWING AND SCIENTIFIC EDITORIAL EXPERIENCE
* TRAINEE & TRAINER EXPERIENCE
* COURSES TAUGHT Undergraduate Courses Graduate Courses
* COURSE DEVELOPMENT (CURRICULA AND PRESENTATION METHODS)
* LANGUAGES AND COMPUTER SKILLS
* MEMBERSHIP OF CULTURAL, EDUCATIONAL AND PROFESSIONAL SOCIETIES (International/National)
* GRADUATE RESEARCH SUPERVISION AND GRANTED THESES/DISSERTATIONS
* PROJECTS AND GRANTS AND RESEARCH EXPERIENCE (INTERNATIONAL LEVEL & NATIONAL LEVEL)
* NATIONAL AND INTERNATIONAL SCIENTIFIC MEETINGS & WORKSHOPS
* OTHER UNIVERSITY ACTIVITIES/CONTRIBUTIONS & COMMUNITY SERVICES & CONSULTATION SERVICES
* RESEARCH ACHIEVEMENTS (germplasm/breeding lines release, patents, scientific records)
* LIST OF PUBLICATIONS

Name: Mohamed F. M. ABDALLA, Prof. Dr.

B.Sc. Agricultural Sciences (Plant Production, Vegetables); **M. Sc** (1982) and **Ph.D.** (1987) in Plant Production and Breeding/Genetics

Sci. Area of Interest: Plant production, Breeding/Genetics and Stress Physiology including Applications of Tissue Culture & Molecular Manipulations.

Permanent Address: Department of Horticulture, Faculty of Agriculture, Assiut University, Assiut 71526, Egypt

Phone: Home 88-2339186, Office 88-241-2611, Mobil 0123971433

E-mail: mofouad@yahoo.com

http://www.aun.edu.eg/fac_agr/Proffouad.htm



EMPLOYMENT HISTORY AND ADMINISTRATION POSITIONS/RESPONSIBILITIES

University/Institution (Employer)	From	To	Job Title/Rank (Position)
Faculty of Agriculture, University of Assiut, Assiut 71526 , Egypt	October 2009	Present	Vice Dean for Education and Student Affairs in New Valley
Faculty of Agriculture, University of Assiut, Assiut 71526 , Egypt	Dec. 2010	Present	Executive Director – Center for International Scientific Publications (CISP)
Faculty of Agriculture, University of Assiut, Assiut 71526 , Egypt	June 2009	Present	Coordinator of Plant Production (Agronomy and Horticulture) Educational Undergraduate Program
Department of Horticulture, Faculty of Agriculture, University of Assiut Assiut 71526 , Egypt	July, 2008	Present	Head of Vegetable Science Division & Scientific Supervisor of Veg. Research Station
Department of Horticulture, Faculty of Agriculture, University of Assiut Assiut 71526 , Egypt	July, 2008	Present	Scientific Supervisor of Vegetable Production Farm
Department of Horticulture, Faculty of Agriculture, University of Assiut Assiut 71526 , Egypt	April, 2008	Present	Scientific Supervisor of Tissue Culture and Mushroom Research Laboratory
Department of Horticulture, Faculty of Agriculture, University of Assiut Assiut 71526 , Egypt	April 2007	Present	Coordinator of Horticulture Educational Undergraduate Program
Chinese Academy of Science; Kunming Institute of Botany; (KIB), China	July 2009	Sept. 2009	TWAS/CAS Sponsored Visiting Scholar
Institute for plant molecular physiology and biotechnology, Universität Bonn , Kirschallee 1, D-53115 Bonn, Germany	April, 2008	May, 2008	Invited Visiting Scholar
Cornell University, Department of Plant Breeding and Genetics, , Ithaca, NY 14850, USA	Sept. 2004	Aug. 2005	Contracted Visiting Scholar
Universität Bonn, Department of Horticulture, Auf dem Hügel 6, D-53121, Bonn, Germany	July, 1999	Aug. 2001	Distinguished Visiting Fellow
Department of Horticulture, Faculty of Agriculture, University of Assiut Assiut 71526 , Egypt	April 1998	Present	Full Professor

Department of Horticulture, Faculty of Agriculture, University of Assiut Assiut 71526 , Egypt	April, 1993	March, 1998	Associate Professor
University of Nebraska, Department of Horticulture, Lincoln, NE 68583 USA.	July, 1993	Sept., 1993	Visiting Scientist (sponsored by Dept. Horticulture, USA)
University of Nebraska, Lincoln, NE 68583. USA.	Jan., 1991	Feb., 1993	Post-Doc. Associate (sponsored by Tiltle XXII Bean/Cowpea Program, USA)
University of Nebraska, Lincoln, NE 68583-0724. USA	July, 1989	Dec., 1989	Exchange Visiting Faculty
Department of Horticulture, Faculty of Agriculture, University of Assiut Assiut 71526 , Egypt	Oct. 1987	March, 1993	Assistant Professor
Department of Horticulture, Faculty of Agriculture, University of Assiut Assiut 71526 , Egypt	July, 1982	Oct., 1987	Assistant Lecturer
Department of Horticulture, Faculty of Agriculture, University of Assiut Assiut 71526 , Egypt	Oct., 1977	July, 1982	Teaching Assistant

SCIENTIFIC RECOGNITION AND MERIT AWARDS

Local, regional, and international recognitions and awards or merits			
Organization/Institution	Type of award	Reason for Awarding	Date
Tiltle XXII Bean/Cowpea Program, USA,	Outstanding research achievement grant	Developing plant regeneration research in beans.	1991
Plant Growth Regulator Society of America (PGRSA), USA	The First ABBOTT award of Excellence	Best publication in Tissue Culture	1992
Sigma Xi Scientific Society, USA	Elected full Member	Research performance and achievement	1992
The National Academy of Science and Technology, Egypt.	The National Encouragement Research Award in Agricultural Sciences	Research contribution in the Agricultural Sciences	1997
The Higher Administration of Assiut University, Egypt.	'Dr. Solieman Hozien Award'	Outstanding in Agricultural Sciences	1998
The Faculty of Agriculture, Assiut University, Egypt,	The Excellence in The Crop Plant Production	Publication of an accomplished research in crop production (Genetics/Horticulture/Agronomy)	1998
The Alexander von Humboldt (AvH) Scientific Foundation of Germany	Fellow Award and Sponsorship grant	Distinguished research and scientific profile	1999
Bonn University	Nomination for the	Distinguished Scientist	2001

(Germany).	“Paul Wolfgang” prize		
**Federal Institute for Plant Breeding, Quadlinburg, Germany.	Invited “Guest Lecturer”	Lectures on 'The progress and limitations of tissue culture methods toward the production of a transgenic bean cultivar'	2001
Assiut University council for the Community Service and Environmental Development, Egypt.	The First Award of the Environmental Science in Agriculture	Applied research for Community Service and Environmental Development	2002
American Society for Advancement of Science	Membership Award	Research contribution	2002
The Remote Teaching & E-Learning Program of the Ministry of Higher Education, Egypt.	Lecturing Nomination	Efforts in the Teaching Development	2003
The Faculty of Agriculture, Assiut University, Egypt	The Best Publication Award	Publication of an accomplished research in crop production (Genetics/Horticulture/Agronomy)	2004
The Higher Administration of Assiut University, Egypt.	The Year Award of Excellence	Outstanding Faculty in Agricultural Sciences	2004
The Arab Fund for Soc. Econ. Dev. Organization	Distinguished Scholar Award	Outstanding Research Accomplishments	2004
International Society of Organic Agriculture Research, ISOFAR), Germany	Elected/Invited new Member	Research contribution	2007
The Faculty of Agriculture, Assiut University, Egypt	The Best Publication Award	Publication of an accomplished research in Tissue Culture applications in Horticulture	2008
<u>OTHER:</u> **Egypt/West Germany Student Exchange Program.	“Summer Training Award Nation-Wide”	Among the top undergraduate students.	1974
** Faculty of Agriculture Assiut University	Teaching Assistantship Award	Top Undergraduate	1977
** <u>Biographical listing:</u> 1-“Who’s Who in the Science and Engineering“ U.S.A. (6th Edition, 2003)	Biographical listing	Career Profile	2003

► RESEARCH MANUSCRIPTS/PROJECT PROPOSAL REVIEWING AND SCIENTIFIC EDITORIAL EXPERIENCE

- 1- Peer reviewer for National Research Priorities Program (NPRP) and the Undergraduate Research Experience Program (UREP) of **The Qatar National Research Fund (QNRF)**.
- 2- Editor, Reviewer and Executive Director of Center for International Scientific Publications, 2009
- 3- Editor; Journal of Developmental Biology and Tissue Engineering (www.academicjournals.org/JDBTE/editors.htm), 2009
- 4- Official peer reviewing committee member for national promotion of Associate and full professor faculty members in Agriculture Sci. (Plant production; Agronomy and Horticulture) of Egyptian Universities. (<http://www.eupc.edu.eg>), 2006-2010
- 5- Selected peer reviewer for STDF (Science and Technology Development Fund; www.stdf.org.eg) proposals for project grants. 2009
- 6- Recognized reviewers for International Sci. J. including Belgian J. of Botany, African J. Biotechnology, J plant Physiology and biochemistry, J. of Agricultural Biotechnology and Sustainable Development, Acta Horticulture.
- 7- Accredited peer reviewers for Regional Sci. J. such as Arab Assoc. Universities for Agric. Sci. (www.geocities.com/journalaaru)
- 8- Accredited peer reviewer number of Egyptian Sci. J. including Assiut J. Agric. Sci., Assiut J. Environmental Res., Zakazik J. Applied Res., and others.
- 9- Selected reviewer for several national conference proceedings.
- 10- Selected session Chair several International conferences including 1- ("Knowledge Creating Development", 17 April 2008, Bonn, Germany), 2- (7th International conference of "Organic Agriculture" Agric. Res. Center, Cairo 23-25 Dec. 2009), 3 - (2nd Egyptian/Hungarian conference of "Horticulture Science" 10-12 Sept. 2002, Kafr Elshekh, Tanta Univ.) .
- 11- Selected scientific committee member of several conferences and workshops held in Assiut University.
- 12- Accredited External examiner for many M.Sc. Theses and Ph.D. Dissertations Egypt wide and oral Ph.D. qualification tests.
- 13- Served as unofficial advisor for one M.Sc. and one Ph.D. students while was Res. Assoc. in Univ. of Nebraska, 1990-1993.
- 14- Served as internal publication reviewer in Dept. of Horticulture Univ. of Nebraska 1990-1993.

Trainee Experience

1- Abroad

****April, 1988- April, 1989 International Trainee, Molecular Genetics and Molecular Techniques** with emphasis on gene transfer and DNA molecular analyses (Lab. training), University of Nebraska, School of Biology. Host Professor was Dr. David W. Galbraith.

****Agronomy 815 Plant Breeding** by Prof. Dr. P.S. Baenziger. University of Nebraska, USA (1990)

****Computer class (Freelance Plus, Introductory Level)**, by Melanie L. Eirich, Computer Graphics Specialist, University of Nebraska, USA (1990).

****Computer class (WordPerfect 5.1, Introductory Classes)**, IANR Computer Services Staff, University of Nebraska, USA (1990)

****Agronomy 918 (Plant Cytogenetics)**, by Prof. Dr. Rosalind Morris, University of Nebraska, USA (1991)

****Horticulture 915 (Horticulture Crop Improvement and Breeding)** by Prof Dr. Dermot P. Coyne, University of Nebraska, USA (1991)

**** Bio-Safety Control in Scientific Research**, University of Nebraska, Lincoln, NE 68583 USA, (1988).

**** Bio-Safety Control in Scientific Research**, Cornell University, Ithaca, NY 14850, USA (2005)

2- In Egypt

**** Preparation of University Teacher**, Faculty of Education, Assiut University, 1984.

**** Software courses for use of microcomputers** (CEMARP Canadian / Egyptian Cooperation) in Assiut University (1996-1997):

- **Introduction to PC's and DOS,**
- **MS-Windows,**
- **MS-Word for Windows,**
- **Introduction to SAS,**
- **Advanced SAS.**

**** Research Management**, University Faculty and Leadership Development Project, 2006.

**** Scientific Research Writing and International Publication**, University Faculty and Leadership Development Project, 2006.

**** University Legal Affairs**, University Faculty and Leadership Development Project, Dec. 2006.

**** Course and Curriculum Design**, University Faculty and Leadership Development Project, 2007.

**** Evaluation of Teaching**, University Faculty and Leadership Development Project, 2007.

**** Teaching with Technology**, University Faculty and Leadership Development Project, Dec. 2007.

**** Quality Assurance and Accreditation**, University Faculty and Leadership Development Project, 2007.

**** Thinking Skills, University Faculty and Leadership Development Project, 2007.**

Trainer Experience

1- Abroad

****April, 1992- April, 1993 International Lab. Trainer, Tissue Culture and Genetic Transformation, Program Leaders Prof Dr. Dermot P. Coyne and Prof Dr. P. E. Read University of Nebraska, Department of Horticulture. University of Nebraska, USA**

2- In Egypt

**** Department Internal Trainer for Graduate Students Course on Microcomputers Software use, 1993-1998:**

- Introduction to PC's and DOS,**
- MS-Windows,**
- MS-Word for Windows,**
- Statistical Analysis, MSTAT Program.**

**** Department Internal Trainer for Graduate Students Course on Scientific Research Writing and International Publication, 1998**

**** Competitive Graduate Industry for Job-Market: Active Teaching Trainer, Graduate Students of Faculty of Agriculture, Assiut University, MUCIA/Assiut Univ. Cooperative Program. Feb. 2007.**

**** Department Internal Trainer/Advisor, Statistical Methods for Scientific Research, Graduate Students and Faculty Members, 2007.**

**** Selected Topics on Horticulture Development in Assiut: Roof Gardening, Trainer/Advisor, Nile Center for Teaching and Training , 2007**

**** Culture and Production of Oyster Mushroom, Trainer, organizer and Coordinator, First started on March 2009**

**** Trainer of International Scientific Publication - Founder and Executive Director of Center for International Scientific Publications (CISP)-2010**

COURSES CURRICULA TAUGHT

1- Courses in Crop Production:

Principals of Horticultural - Principals of Vegetable Crop Production - Vegetable Crop Production - Vegetable Seed Production - Technology of Vegetable Production – Leguminous

2- Courses in Plant Breeding & Tissue Culture:

Principals of Vegetable Breeding - Plant Tissue Culture – Tissue Culture of Vegetables - Hybrid Varieties Production - Vegetable Breeding Methods - Breeding for Resistance to Stress Environment

3- Other Courses in Plant Breeding:

Methods of Preparing and Writing Scientific Research - Statistical Methods for Vegetable Experiments - Computer Applications in Vegetable Studies

Languages/Special Skills

Arabic	Speaking <input type="checkbox"/> ✓	Reading <input type="checkbox"/> ✓	Writing <input type="checkbox"/> ✓
--------	-------------------------------------	------------------------------------	------------------------------------

English	Speaking <input type="checkbox"/> ✓	Reading <input type="checkbox"/> ✓	Writing <input type="checkbox"/> ✓
German	Speaking <input type="checkbox"/> ✓	Reading <input type="checkbox"/> ✓	Writing <input type="checkbox"/>
Computer Skills	ICDL Certificate 2009		
	Word Process, Statistical Analysis (MSTST & SAS), Image & Graphical Programs, Data Show, Internet Search & web builder		

Course Development (curricula and instruction methods)

Use of the data-show in presenting the lectures since 1994
Use of the internet sites of Assiut University in teaching since 1996
Introducing new biotechnologies in developing and extending the breeding courses 1994
Developing electronic courses
Coordinator of education and under graduate students Divisions in Quality Assurance & Accreditation Project (QAAP), Faculty of Agriculture, Assiut University, 2004-2005
Coordinator of Vegetable Undergraduate Educational Program, 2006-present
Coordinator of several course curricula including: Principals of Vegetable Crop Production - Vegetable Crop Production - Vegetable Seed Production - Tissue Culture of Vegetables - Hybrid Varieties Production - Vegetable Breeding Methods - Breeding for Resistance to Stress Environment - Statistical Methods for Vegetable Experiments , 2006-2009
Coordinator of developing new syllabus for undergraduate and graduate study courses, 2006-present
Participated in four tainting workshops of the University Faculty and Leadership Development Project (FLDP), 2007: ** Course and Curriculum Design, ** Evaluation of Teaching, ** Teaching with Technology, ** Quality Assurance and Accreditation.
Coordinator of Plant Production Teaching Program (Agronomy & Horticulture), (CIQAP, Project), Faculty of Agriculture, Assiut University, 2004-2005 2009

Membership of Cultural, Educational and Professional Societies

I- International
** Plant Growth Regulators Society of America (PGRSA, 1990-1993).
** American Society for Horticultural Science (ASHS, 1990-1993).
** Sigma Xi, USA (1992).
** Bean Improvement Cooperative (BIC, 1990-1993).
**Capsicum & Eggplant Newsletter (University of Turin, Italy; 1998-2004)
** Humboldt Scientific Club, southern Egypt (2000-now)
** Alexander von Humboldt Foundation (AvH), Germany (1999-now)
** American Association for Advancement of Science (2003-now)
** International Society of Organic Agriculture Research, ISOFAR, Germany (2007- now)
** International PlantStress Group (2006-current)
II. National
** Egyptian Horticultural Society (1993-now).
** Plant Breeding Association of Egypt (1993-now).
** Agricultural Society of Assiut (1987-now).

Supervision of Granted Theses and Dissertations

Title of theses or dissertation	Degree awarded	University awarded degree	Date
** Effect of some cultural practices on growth and yield of cowpea.	M. Sc.	Assiut University	1998
** Performance of some faba bean (<i>Vicia faba</i> L.) genotypes in Orobanche infected soil.	M. Sc.	Assiut University	1998
**Effect of planting date and cultivar on yield and quality of green bean (<i>Phaseolous vulgaris</i> L.) under Upper Egypt conditions.	M. Sc.	Assiut University	1998
**Breeding for yield and some of its components in garden pea (<i>Pisum sativum</i> L.).	M. Sc.	Assiut University	1999
**Effect of some cultural practices on seed yield and quality of cabbage cv. 'Balady' under conditions of southern Egypt.	M. Sc.	Assiut University	1999
**Breeding and tissue culture studies in summer squash.	Ph.D.	Assiut University	2001
**Manipulations of intra- and interspecific hybrids for improving tomato production in middle Egypt.	Ph.D.	Assiut University	2001
**Yield and quality of globe artichoke grown using different propagation methods in Assiut	M. Sc.	Assiut University	2002
** DNA-based assessment of genetic linkage map of <i>Raphanus sativus</i> L.	Ph.D.	Jointly between Assiut University and the Federal Institute for Plant Breeding, Germany.	2003
** Potential intercropping production of cowpea, cucumber and tomato with okra.	M. Sc.	Assiut University	2006
** In Vitro Propagation of Sweet Potato (<i>Ipomoea batatas</i> L.)	M. Sc.	Assiut University	2007
** Organic and bio-culture of potato	M. Sc.	Assiut University	2008
** Studies on flowering physiology of pumpkins.	Ph.D.	Assiut University	In preparation
** Effect of media and intercropping on growth and production of Oyster mushroom (<i>Pleurotus ostreatus</i>).	Ph.D.	Assiut University	In preparation
Comparative assessment of different substrate preparation schemes in production of edible mushroom	M. Sc.	Assiut University	In preparation
Influence of substrate mix and enrichment supplements on oyster mushroom growth and yield	M. Sc.	Assiut University	In preparation

PROJECTS AND GRANTS & RESEARCH EXPERIENCE

International Level

** Assessment of potential human diet source from higher wild fungi: classification and optimizing cultivation, Chinese Academy of Science (CAS); Kunming Institute of Botany; (KIB), China and Academy of Science for the Developing World (TWAS) Italy.

** Towards overcoming difficulties in producing genetically engineered bean cultivars, Cornell University, Ithaca, NY 14850, USA & The Arab Fund for Soc. Econ. Dev. Organization, Kuwait, 2004.

** Principle Investigator, 'Assessment of physiological mechanisms and genetic basis of drought tolerance in the common bean relative tepary bean (*Phaseolus acutifolius* A. Gray), Funded by the Alexander von Humboldt (AvH) Scientific Foundation of Germany, 1999-2001.

** Granted an annual \$ 16,000.00 outstanding grant achievement (3 years, Post-Doc Res. Associate) from Title XII Bean/Cowpea Program, USA, for developing plant regeneration research in beans, Jan., 1991- Feb., 1993.

** Granted Visiting Scientist grant, Department of Horticulture, University of Nebraska, Lincoln, NE 68583 USA. July-Sept., 1993.

** Assistant Researcher/Joined the research team of Egypt/California tomato project as research assistant, sub-station of Assiut (1979-1985). Dr. W. Sims, University of California, Davis, was the team leader of the project from the American side and Dr. Ahmed A. Hassan, Department of Horticulture, University of Cairo from the Egyptian side. The sub-station leaders at Assiut were Drs. Mostafa K. Imam, and A. M. El-Batt, Department of Horticulture, Assiut University.

National Level

** Principle Investigator of proposals for 'Green Salad' and 'Green Roofs', Assiut University, 2008.

** Team Member of society service in CIQAP project – coordinator for human and fund resources – member of planning and preparing the strategic plan- Faculty of Agriculture- Assiut University 2008

** Co-Principle Investigator, 'Production of Oyster Mushroom (*Pleurotus ostreatus*) under Assiut conditions', Funded by Assiut University, March, 2007.

** Design and establishment of a tissue culture laboratory in the Department of Horticulture, Assiut University, 2007.

** Participated in team of research project funded by NARP (National Agricultural Research Project) on 'In vitro Selection of some medicinal plants for salt-tolerance', Principal investigator was Dr. Azza A. Tawfik, Assiut University, 1994.

** Participated in team of research project funded by NARP (National Agricultural Research Project) on 'Breeding and production of virus-free potato' Principal investigator was Prof. Dr.

Mostafa K. Imam, 1994.

**Participated in team of research project funded by NAST (National Academy of Science and Technology on 'Mungbean as a new pulse legume in southern Egypt, Principal investigator was Prof. Dr Gamel I. Shalaby, 1995-1996.

**Participated in preparation and development of a proposal on "Training of Trainers in Small Enterprise Management" - requested by SPAAC (Social Planning, Analysis and Administration Consultants), 21 Ahmed Heshmat St., Zamalek, Cairo - to be funded by Institute of International Education, 1400 K St. NW, Suite 650, Washington DC 20005, (1998).

Scientific Conferences

NATIONAL/REGIONAL AND INTERNATIONAL SCIENTIFIC MEETINGS

- American Society for Horticultural Science, 85th Annual Meeting, Michigan State University, East Lansing, 1988 (attendant).

- Plant Growth Regulator Society of America, 17th Annual Meeting, St. Paul, Minnesota, Aug. 1990 (presented paper).

- American Society for Horticultural Science, 87th Annual Meeting, Tucson, Arizona, Nov. 1990 (presented paper).

- American Society for Horticultural Science, 88th Annual Meeting, University Park, State College, Penn State, July 1991 (presented two papers).

- Plant Growth Regulator Society of America, 18th Annual Meeting, Boston, Massachusetts, July 1991 (presented paper).

- Bean Improvement Cooperative, Annual Meeting, Lincoln, Nebraska, Nov. 1991 (presented two papers).

- American Society for Horticultural Science, 89th Annual Meeting, Sheraton-Waikiki Hotel, Honolulu, Hawaii, July-August 1992 (presented paper) .

- First International Egyptian-Hungarian Horticultural Science Conference. Kafr El-sheikh, Sept. 15-17, 1996 (presented paper).

- 27th Intl. Symp. on Essential Oil, Sept. 8-11, 1997, Vien/Vienna, Austria,(Paper presented).

- International. Cong. Plant Biotech. as a tool for Exploitation of Mountain-lands, May 25-27,1997, Torino, Italy (presented paper)

- The First Scientific Conf. Agric. Sci., Faculty Agric., Assiut Univ. Assiut, Dec. 13-14, 1997 (two papers presented).

- The Third Arab Conference on "Modern Biotechnology and Areas of Application in the Arab World", 14-17 Dec. 1998, Cairo, Egypt (Attendant).

- The Third International Symposium on "Irrigation of Horticultural Crops". Lisbon-Portugal, June 28-July 2, 1999. Intl. Soc. Hort. Sci. (presented paper)
- 38th Gartenbauwissenschaftliche Tagung, 28 Feb.- 2 March 2001, Osnabrück, Germany. (presented paper).
- 1st International Congress on Stress Tolerance in Seeds: Genetic, Molecular and Physiological Mechanisms, 4-7 April, 2001, Wageningen, The Netherlands (presented paper).
- Deutscher Tropentag, One World, Research for Better Life, Oct. 9-11, 2001, Univ. Bonn, Germany (presented two papers).
- The first International Conference for Development and the Environment in the Arab World, March 26-28, 2002, Assiut University, Egypt.
- The Second Conference for Sustainable Agricultural Development, May 8-10, 2002, Cairo University at Fayoum, Egypt.
- The third Scientific Conf. Agric. Sci., Faculty Agric., Assiut Univ. Assiut, Oct 20-22, 2002 (three papers presented).
- 2nd International Egyptian-Hungarian Conference on the horticultural Science, September 10-12, 2002, Kafr El-Sheikh, Tanta University, Egypt (presented a paper)
- 3th Plant Breeding Conference, April 26th 2003, Cairo University, Egypt (presented paper)
- The International Conference On Date Palm 16-19 sept., 2003, Faculty of Agric. And Vet. El-Kaseem, King Suad University, Suadi Arabia.
- Intl. Conf. Biol. Sci. Development & Society, 19-21 Jan. 2004, Cairo Sheraton, IUBS (Intl. Union Biological Science) & ASRT (Academy of Scientific Research and Technology), Egypt.
- The 29th International Conf. Statistics & Computer Science and its application, April 17-22, 2004, The Egyptian Statistics Society (ESS), Doki, Giza Egypt.
- The Second International Conf. "Development and Environment in the Arab World", 23-25 March 2004, Assiut University, Assiut, Egypt (presented a paper)
- The Third International Conf. "Development and Environment in the Arab World", 21-23 March 2006, Assiut University, Assiut, Egypt. (presented a paper)
- The Third Egyptian & Syrian Conference "Agric. & Food in the Arab World", Nov. 6-9, 2006. El Minia Univ. & Baath Univ., El Minia Univ. Egypt (presented 2 papers).
- First Conference for Young Scientists, 17-18 April, 2007, Faculty of Agriculture, Assiut University, (Coordinator).
- The 5th Conference for Plant Breeding, 27th May, 2007, Egyptian Society for Plant Breeding,

Cairo (presented a paper)

- The 2nd Conf. of Egyptian Humboldtians: Humboldtians in Natural Sciences and Engineering, Sept 8-9, 2007, New Cairo City, AvH Foundation of Germany & German University in Cairo.

- First Conf. "Technology and Sustainable Development in The 21th Century", Sheraton El-Montazah Alexandria City, Egypt, Nov. 27-29, 2007. Ein Shams Univ. Alex. Univ., New Planet Assoc., EURO-ARAB Coop. Centre, The General Egyptian Organization for Standards and Quality & United Nation Environ. Program (ROWA).

- Conference for Science and Technology in Africa, March 2008, AvH Foundation of Germany & Assiut University, Assiut

- BioVision 2008 Conference, 12-16 April 2008, Alexandria Bibliotheca (presented a paper)

NATIONAL / INTERNATIONAL WORKSHOPS

- Strategies in exportation of Agricultural Crops and Products, April 10-11, 1996, Assiut University, Assiut.

- Second-day for beans, May, 1996 Agricultural Research Center, the Egyptian Ministry of Agriculture, Cairo.

- The role of Universities and Research Institutes in serving and developing the society, March 1-2, 1997, Cairo University, Cairo.

- Scientific Research in developing southern-Valley, July 28, 1997, Assiut University, Assiut.

- Biotechnology: Science and Ethics, March 13, 2002, DAAD Foundation of Germany & Assiut University, Assiut, Egypt.

- Seminar on "Applied Techniques in Biotechnology: Powerful Tools for Research & Diagnosis" March 17-18, 2002, Genetic Engineering and Molecular Biology Center, Assiut University, Egypt.

- The Use of Genetically Modified Food, April 16, 2002, Genetic Engineering and Molecular Biology Center, Assiut University, Egypt.

- Proposal writing workshop, Higher Education Enhancement Project Fund (HEEPF), 22-23 Feb. 2004, Project Management Unit (PMU), Assiut University, Assiut Egypt.

- A workshop on Agricultural Development in the Arab Nations, Obstacles and Solution, 20-22 Jan. 2004, Assiut University, Egypt (presented a paper).

- Bird-Influenza and to where poultry industry is going, 19, May 2007, Faculty of Agriculture, Assiut University, Assiut Egypt.

- Date palm *Rhynchophorus ferrugineus* Olivier Disease: Hazards and Scientific Control, 23 May, 2007, Faculty of Agriculture, Assiut University, Assiut Egypt.

- Global-Day for Environment: Global Climatic Changes, 5 June, 2007, State Ministry for Environmental Affairs and Assiut Governorate.
- Egyptian/German Cooperation in Education and Scientific Research, 6 June, 2007, Cairo
- 1st Workshop “ Electronic Education and Publication of Courses using Educational Management System, project for establishment of center for production of electronic courses in Assiut University, 10 July 2007.
- Knowledge Creating Development, 17 April 2008, Alexander von Humboldt Foundation, Sheraton Bonn, Germany (**Chair of Workshop:** Scientific and Development Cooperation of Europe & Middle East)

OTHER UNIVERSITY ACTIVITIES/CONTRIBUTIONS

Community services			
Nature of Service/Activity	Topic	Place	Date
**Participated in the committee for the preparation	The first tomato conference	Assiut University, Egypt.	1983
**Joined the research team of Egypt/California tomato project as research assistant.	Introduction of new American cultivars of tomato to the Egyptian growers.	The sub-station of the project at Assiut.	1979-1985
** Participated in research project funded by NARP (National Agricultural Research Project)	'Breeding and production of virus-free potato'	Assiut University, Egypt.	1994
**Participated in research project funded by NARP (National Agricultural Research Project) on 'In vitro Selection of some medicinal plants for salt-tolerance', Principal investigator was Dr. Azza A. Tawfik, Assiut University, 1994.	'In vitro Selection of some medicinal plants for salt-tolerance'.	Assiut University	1994
**Participated in the preparation and development of a proposal.	"Training of Trainers in Small Enterprise Management"	SPAAC (Social Planning, Analysis and Administration Consultants), Cairo to be funded by Institute of International Education.	1998
** Dissemination of knowledge for common people	Lecturers on Nutritional value of Vegetables	Channel 7, Upper Egypt TV, El-Minia	Feb, 2006
** Dissemination of knowledge for common people	Trainer for Horticulture Roof &	Nile Center for Education and Training, Assiut	March, 2007

	Home Gardens		
** Dissemination of knowledge for common people	Role of Scientific Research in Environment Development	Channel 7, Upper Egypt TV, El-Minia	May, 2007
Other Activities/Contributions			
Activity		Nature of Contribution	
- Management of research plot, Department of Horticulture, Assiut University, Egypt, 1982-1985.		Committee Member	
- Assiut J. Agric. Sci. Assiut University., 1998- present		Publishing Reviewer	
- National Committee for Promotion of University Faculty Members (Prof. & Assoc. Prof.), 2006- present		Evaluation Member	
- Granting M.Sc Theses and Ph.D Dissertations, Faculty of Agricultural Science, Assiut University.		Examiner	
- Research Seminars in the Department of Horticulture, Assiut University, 1997/1998.		Moderator	
- Ph.D. Oral Qualification Examination, the Department of Horticulture, Assiut University.		Department Committee member	
- Statistical analysis of research data, the Department of Horticulture, Assiut University.		Internal Consultant Statistician	
- The Third Scientific conference of Agricultural Science, Faculty of Agriculture, Assiut University, Egypt, Oct. 2002.		Participated in the Scientific Committee	
- The First Scientific conference of Agricultural Science, Faculty of Agriculture, Assiut University, Egypt, 1997.		Participated in the Organizing Committee	
- The first tomato conference at Assiut University, Egypt, 1983.		Participated in the organizing committee	
** Tissue culture laboratory in the Department of Horticulture, Assiut University, 1994-1996.		Participated in designating and establishment of the laboratory	
** The First Young Scientists Scientific Conference, Faculty of Agriculture, Assiut University, 17-18 April 2007		Coordinator	
** Fifth Horticulture (Vegetable) Scientific Research Plan, Faculty of Agriculture, Assiut University, March 2007		Planer and Writer	
** Quality Assurance & Accreditation Project (QAAP), Faculty of Agriculture, Assiut University, 2004-2005		Coordinator of Education and under graduate students Division	
** Vegetable Undergraduate Educational Program, 2006-present		Coordinator	

** Development of Vegetable Undergraduate Course Syllabus, 2006-present	Coordinator of several curricula including breeding, tissue culture and vegetable and seed production
** Fifth Horticulture (Vegetable) Scientific Research Abroad Mission Plan, Faculty of Agriculture, Assiut University, July 2007	Coordination Committee Member
- Management of research plot, Department of Horticulture, Assiut University, Egypt, 2007	Scientific Advisor
** Center for Scientific International Publication	Founder
** Scientific Center for Development of Vegetable Production and Exportation in New Land	Founder

A) CONSULTATION SERVICES

Institution/organization to which consultation services are rendered	Nature of consultation service	Date
** Tomato growers in Assiut.	Served as Extension Specialist for tomato production, Department of Horticulture, Assiut University, 1982-1987.	1985-present
** Vegetable growers in new reclaimed lands.	Advising for production including choose of the type of the crop and cultivars, cultural practices and applying irrigation and fertilization technologies.	1985-present
** Grower of vegetable under protected cultivation.	Advisement for establishing and production of cucumber, pepper and tomato.	1995-present
** Nile Center for Education and Training, Assiut.	Advisement for establishing and production of Roof Gardens.	2007-present
** Quality Assurance & Accreditation Project (QAAP), Faculty of Agriculture, Assiut University.	Consultant and Department coordinator for Vegetable Science Program and Course Syllabus	2005-2007
** Graduate Students, Department of Horticulture	Scientific Research Writing and International Publication	1998-
** Graduate Students and Faculty Members, Department of Horticulture.	Statistical Methods for Scientific Research	2005- 2007

► RESEARCH ACHIEVEMENTS (germplasm/breeding lines release, patents, scientific records)

I- PATENT:

1) A medium derived from natural extract for conservation of meristematic cells and tissues of plant germplasm in gene banks and propagation nuclei in commercial production of Horticultural crop transplant (Patent no. 24383; Academy of science & Technology, Egypt).

2) MultiTechnique Horticultural Scissor (MTH-Scissor) (Appl. # 6460502009)

II- Release of Germplasm & Cultivar Resistant/Tolerant to Environmental Stresses

- Mohamed, M.F., D.P. Coyne, and P.E. Read. **1995. A radiation-induced mutant with resistance to common bacterial blight disease in common beans**". HortScience 30:577-578
- Mohamed, M. F. **1997. Field performance and analysis for genetic constitution of advanced tomato breeding lines tolerant to heat-stress**". Assiut J. Agric. Sci. 28(2):27-37
- Abd-El-Moneem, K.M.H. and M.F. Mohamed. **1997. Occurrence of halo bacterial blight on common bean in Assiut and inheritance of resistance to the disease**". Proc. First Scientific Conf. Aric. Sci., Dec. 1997, Vol. 1, pp 187-208. Faculty Agric. Assiut Univ. Assiut, Egypt.
- Mohamed, F. M., M. F. Abd El-Kader and G. I. Shalaby. **2002. New Potential Hybrid 'Assiut-15' for Production of Tomato under Adverse High Temperature Conditions**. Proc. The Third Sci. Conf. Agric. Sci. p. 385-392, Oct. 20-22, Assiut Univ.
- Mohamed F. M., M. F. Abd El-Kader and G. I. Shalaby. **2002. Fruit-Set and Yield of New Tomato (*Lycopersicon esculentum* Mill.) Line 'ASS-23' and Hybrid 'SX23' under Low Night-Temperature Conditions**. Proc. The Third Sci. Conf. Agric. Sci. p. 393--398, Oct. 20-22, Assiut Univ.
- Mohamed, M. F. **2004. Green pepper germplasm selection for improved production under heat and drought stress conditions**. Capsicum and Eggplant Newsletter 23:29-32.
- Mohamed, M.F., E.F.S. Refaei and G.I. Shalaby. **2003. Growth and yield of inbred zucchini squash (*Cucurbita pepo* L.) lines developed under adverse climatic conditions**. Assiut Univ. Bull. Environ. Res. 6(1):109-114.

III- Identified New Research Protocols

- Mohamed, M. F. **1990. Direct plant regeneration and multiplication on a soil medium from single seeds of common bean (*Phaseolus vulgaris* L.)**". Assiut J. of Agric. Sci. 21:361-371.
- Mohamed, M.F., P.E. Read, and D.P. Coyne. **1992. Plant regeneration from in vitro culture of embryonic axis explants in common and tepary beans**". J. Amer. Soc. Hort. Sci. 117:332-336
- Mohamed, M.F., E. Arnaud-Santana, and D.P. Coyne. **1993. Rooting of bean leaves and use in germplasm evaluation for common bacterial blight resistance**". Euphytica 65:161-166
- Mohamed, M.F., D.P. Coyne, and P.E. Read. **1993. Shoot organogenesis in callus induced from pedicel explants of common bean (*Phaseolus vulgaris* L.)**". J. Amer. Soc. Hort. Sci. 118:158-162
- Mohamed, M.F. and D. P. Coyne. **(1995). Photoperiod sometimes influences common bacterial blight disease of common beans**. HortScience 30:551-553
- Mohamed, M.F., D.P. Coyne and P.E. Read. **1996. Enhancement effect of CPPU on differentiation of somatic embryoids in common bean (*Phaseolus vulgaris* L.)**. Plant Growth Regul. Soc. Amer. Quarterly. 24:97-103
- Mohamed, M.F. **2003. Yield, physiological and biochemical assessments of drought resistance responses in some tepary bean lines (*Phaseolus acutifolius*)**. Assiut Univ. Bull. Environ. Res. 6(2):65-85.
- Mohamed, M. F. **2003. Enabling ex-situ conservation of landrace field-collection from mature pepper plants via bud culture**. Capsicum and Eggplant Newsletter 22:99-102.

- Mousa, M.A.A., N.M. Kandeel, M.F. Mohamed and M.H. Aboul-Nasr. 2004. **Mapping QTL(s) for resistance to the beet cyst nematode (*Heterodera schachtii* Schm.) in radish (*Raphanus sativus* L).** Assiut Univ. Bull. Environmental Res. 7:1-17.
- Mohamed, M.F., M. Schmitz-Eiberger, N. Keutgen, and G. Noga. 2005. **Comparative drought postponing and tolerance potentials of two *Phaseolus acutifolius* lines in relation to pulse yield.** African Crop Sci. J. 13:49-60.
- Refaei, E.F.S., M. F. Mohamed and G.I. Shalaby. 2005. **Towards optimizing in vitro androgenesis in summer squash.** Cucurbit Genetics Cooperative 27.
- Mohamed, M. F., Jun Cao and E. D. Earle. 2006. **Toward producing genetically modified common bean via *Agrobacterium*-mediated transformation.** Annu. Rpt. Bean Improv. Coop. 49:147-148.
- Mohamed, M. F. and A.A. Tawfik. 2006. **Dehydration-induced alterations in growth and osmotic potential of callus from six tepary bean lines varying in drought resistance.** Plant Cell Tissue Organ Cult. 87(3):255-262.
- Tawfik, A.A. and M.F. Mohamed. 2007. **Regeneration of salvia (*Salvia officinalis* L.) via induction of meristematic callus.** In Vitro Plant Cell. Devel. Biol. 43:21-27.
- Magdy, A. A. Mousa; M. F. Mohamed, M. H. Dokashi and E. F. E. Elnobi. 2007. **Intra-row intercropping of cowpea and cucumber with okra as influenced by planting date of secondary crops.** Assiut Univ. Bull. Environ. Res. 10 (1):13-33.

List of Full Original Published Research Articles

in the past 5 years

- 1- Mousa, M. A. A. and **M. F. Mohamed** (2009). Enhanced Yield and Quality of Onion (*Allium cepa* L. cv Giza 6) Produced using Organic Fertilization. Ass. Univ. Bull. Environ. Res., Vol. 12 (1):9-17
- 2- Refai, E. F. S. and **M. F. Mohamed**. 2009. Population and single plant-derived inbred line analyses for sex expression in summer squash (*Cucurbita pepo* L.) cv. 'Eskandrani'. Ass. Univ. Bull. Environ. Res., Vol. 12 (1):109-119.
- 3- **Mohamed, M. F.** and A. A. Tawfik. 2008. Breeding for drought resistance in common bean: *In vitro* assay for root osmotic potential. **Intl. J. Crop Improv.** **22(2):209-224.**
- 4- **Mohamed, M.F.,** M. H. Dokashi, M. A. A. Mousa and E. F. E. Elnobi. 2007. Yield of crops in within-row intercropped okra-cowpea and okra-cucumber. **Intl. J. Vegetable Sci.** **13(2):33-48.**
- 5- **Mohamed, M. F.** and A.A. Tawfik. 2007. Intact plant, callus and field grain yield responses of tepary bean to drought. **J. Agron. Crop Sci.** **193:305-312.**
- 6- Tawfik, A.A. and **M.F. Mohamed**. 2007. Regeneration of salvia (*Salvia officinalis* L.) via induction of meristematic callus. **In Vitro Plant Cell. Devel. Biol.** **43:21-27.**
- 7- **Mohamed, M. F.** and A. A. Tawfik. 2007. Comparative *in vitro* callus assay suggests effective osmotic regulation of plant water relations and field resistance to drought in common and tepary beans. Proc. First Conf. "Technology and Sustainable Development in The 21th Century", Sheraton El-Montazah Alexandria City, Egypt, p44-66, Nov. 27-29, 2007. Ein Shams Univ. Alex. Univ., New Planet Assoc., EURO-ARAB Coop. Centre, The General Egyptian Organization for Standards and Quality & United Nation Environ. Program (ROWA).
- 8- **Mohamed, M. F.,** M. M. A. Abdalla and A. A. M. Damarany, Jr. 2007. Differential axillary-bud proliferation responses of two sweet potato cultivars to benzyladenine and thidiazuron. Assiut Univ. **Bull. Environ. Res.** **10 (2):21-30**
- 9- Mousa, M. A. A., **M. F. Mohamed**, M. H. Dokashi and E. F. E. Elnobi. 2007. Intra-row intercropping of cowpea and cucumber with okra as influenced by planting date of secondary crops. Assiut Univ. **Bull. Environ. Res.** **10 (1):13-33**
- 10- **Mohamed, M.F** and M.F.M. Abd El-Kader. 2007. Crop performance of six tomato top crosses to cv. 'Supermarmande'. 5th conference for Plant Breeding, 27 May, 2007, Cairo University,

special issue of **Egypt J. Plant Breed.** p235-242. The Egyptian Association of Plant Breeding.

- 11- **Mohamed, M. F.** and A. A. Tawfik. 2006. Role of cellular mechanisms in drought resistance of *Phaseolus*. The Third Intl. Conf. Develop. & Environ. Arab World, p.651-661, **March 21-23, 2006, Assiut Univ. Center for Environ. Studies, Egypt.**
- 12- **Mohamed, M. F.**, M. H. Dokashi , M. A. A. Mousa and E. F. E. Elnobi. 2006. Growth and yield of intercropped okra (*Abelmoschus esculentus*) and cucumber (*Cucumis sativus*). Proc. The Third Egyptian & Syrian Conference “Agric. & Food in the Arab World”, Vol. 3 No. 1, p101-108, **Nov. 6-9, 2006. El Minia Univ. & Baath Univ., El Minia Univ. Egypt.**
- 13- **Mohamed, M. F.**, M. H. Dokashi, M. A. A. Mousa and E. F. E. Elnobi. 2006. Competition and yield advantage in okra/cowpea intercropping in Upper-Egypt. Proc. The Third Egyptian & Syrian Conference “Agric. & Food in the Arab World”, Vol. 3 No. 2, (in press), **Nov. 6-9, 2006. El Minia Univ. & Baath Univ., El Minia Univ. Egypt.**
- 14- Tawfik, A.A. and **M.F. Mohamed.** 2006. Shoot differentiation and plant regeneration from thidiazuron-induced callus of *Salvia officinals*. **Acta Hort. 723:309-313.**
- 15- **Mohamed, M. F.**, Jun Cao and E. D. Earle. 2006. Toward producing genetically modified common bean via *Agrobacterium*-mediated transformation. **Annu. Rpt. Bean Improv. Coop. 49:147-148.**
- 16- **Mohamed, M. F.** and A.A. Tawfik. 2006. Dehydration-induced alterations in growth and osmotic potential of callus from six tepary bean lines varying in drought resistance. **Plant Cell Tissue Organ Cult. 87(3):255-262.**
- 17- Tawfik, A.A. and **M. F. Mohamed.** 2006. *In vitro* cloning of two cumin landrace lines via shoot-tip culture. **J. Hort. Sci. & Biotech. 81:264-268.**
- 18- Tawfik, A.A. and **M. F. Mohamed.** 2005. Organogenic response of *Salvia officinals* L. to dark preconditioning, thidiazuron and benzyladenine. **Plant Growth Regul. Soc. Amer. Quarterly. 33:125-133.**
- 19- **Mohamed, M. F.**, M. Schmitz-Eiberger and G. Noga. 2005. Antioxidative reactions inducing resistance to severe water dehydration in tepary bean (*Phaseolus acutifolius*). **Europ. J. Hort. Sci. 70:289-299.**
- 20- **Mohamed, M.F.**, M. Schmitz-Eiberger, N. Keutgen, and G. Noga. 2005. Comparative drought postponing and tolerance potentials of two *Phaseolus acutifolius* lines in relation to pulse yield. **African Crop Sci. J. 13:49-60.**
- 21- Refaei, E.F.S., **M. F. Mohamed** and G.I. Shalaby. 2005. Towards optimizing in vitro androgenesis in summer squash. **Cucurbit Genetics Cooperative 27.**

LIST OF All PUBLICATIONS

Prof. Dr. Mohamed F. M. Abdalla

Number of Articles	Place of Publication
1- Full Original Research Article	
32	International Journals
8	International Conference Proceedings
31	National/Regional Journals
10	National/Regional Conference Proceedings
81	Total Full original Res Articles
2- Research Abstracts not published in full article	
12	International, National and Regional Conference Proceedings
93	Total

- Publications in field of **plant/cell physiology**.
- ✪ Publications in field of **cultural practices/production technology**.
- ★ Publications in field of **in vitro cell, tissue and organ cultures**.
- Publications in field of **DNA manipulations and molecular breeding**.
- ◎ Publications in field of **conventional plant breeding/genetics**.

I- Articles Published in Refereed International Journals and Reports

- ★/○ **Mohamed, M. F.** and A. A. Tawfik. 2008. Breeding for drought resistance in common bean: *In vitro* assay for root osmotic potential. Intl. J. Crop Improv. 22(2):209-224.
- ✪ **Mohamed, M.F.**, M. H. Dokashi, M. A. A. Mousa and E. F. E. Elnobi. 2007. Yield of crops in within-row intercropped okra-cowpea and okra-cucumber. Intl. J. Vegetable Sci. 13(2):33-48.
- ★/○ **Mohamed, M. F.** and A.A. Tawfik. 2007. Intact plant, callus and field grain yield responses of tepary bean to drought. J. Agron. Crop Sci. 193:305-312.
- ★ Tawfik, A.A. and **M.F. Mohamed**. 2007. Regeneration of salvia (*Salvia officinals* L.) via induction of meristematic callus. In Vitro Plant Cell. Devel. Biol. 43:21-27.
- ★ Tawfik, A.A. and **M.F. Mohamed**. 2006. Shoot differentiation and plant regeneration from thidiazuron-induced callus of *Salvia officinals*. Acta Hort. 723:309-313.
- ★/■ **Mohamed, M. F.**, Jun Cao and E. D. Earle. 2006. Toward producing genetically modified common bean via *Agrobacterium*-mediated transformation. Annu. Rpt. Bean Improv. Coop. 49:147-148.

- ★/○ **Mohamed, M. F.** and A.A. Tawfik. 2006. Dehydration-induced alterations in growth and osmotic potential of callus from six tepary bean lines varying in drought resistance. *Plant Cell Tissue Organ Cult.* 87(3):255-262.
- ★ Tawfik, A.A. and **M. F. Mohamed.** 2006. *In vitro* cloning of two cumin landrace lines via shoot-tip culture. *J. Hort. Sci. & Biotech.* 81:264-268.
- ★ Tawfik, A.A. and **M. F. Mohamed.** 2005. Organogenic response of *Salvia officinalis* L. to dark preconditioning, thidiazuron and benzyladenine. *Plant Growth Regul. Soc. Amer. Quarterly.* 33:125-133.
- **Mohamed, M. F.,** M. Schmitz-Eiberger and G. Noga. 2005. Antioxidative reactions inducing resistance to severe water dehydration in tepary bean (*Phaseolus acutifolius*). *Europ. J. Hort. Sci.* 70:289-299.
- /○ **Mohamed, M.F.,** M. Schmitz-Eiberger, N. Keutgen, and G. Noga. 2005. Comparative drought postponing and tolerance potentials of two *Phaseolus acutifolius* lines in relation to pulse yield. *African Crop Sci. J.* 13:49-60.
- ★ Refaei, E.F.S., **M. F. Mohamed** and G.I. Shalaby. 2005. Towards optimizing in vitro androgenesis in summer squash. *Cucurbit Genetics Cooperative* 27.
- **Mohamed, M. F.** 2004. Green pepper germplasm selection for improved production under heat and drought stress conditions. *Capsicum and Eggplant Newsletter* 23:29-32.
- ★/○ **Mohamed, M. F.** 2003. Enabling ex-situ conservation of landrace field-collection from mature pepper plants via bud culture. *Capsicum and Eggplant Newsletter* 22:99-102.
- /○ **Mohamed, M. F.,** N. Keutgen, A.A. Tawfik and G. Noga. 2002, Dehydration avoidance responses of tepary bean lines differing in drought resistance. *J. Plant Physiol.* 159:31-38.
- **Mohamed, M.F.** (1998). Characteristics and inheritance of natural facultative-parthenocarpic fruit-set in 'Nadja' tomato under low temperature conditions. *Euphytica* 103:211-217
- ★ **Mohamed, M.F.,** D.P. Coyne and P.E. Read. 1996. Enhancement effect of CPPU on differentiation of somatic embryoids in common bean (*Phaseolus vulgaris* L.). *Plant Growth Regul. Soc. Amer. Quarterly.* 24:97-103
- **Mohamed, M.F.,** D.P. Coyne, and P.E. Read. 1995. A radiation-induced mutant with resistance to common bacterial blight disease in common beans". *HortScience* 30:577-578
- **Mohamed, M.F.** and D. P. Coyne. (1995). Photoperiod sometimes influences common bacterial blight disease of common beans. *HortScience* 30:551-553
- Dursun, A., D.P. Coyne, **M.F. Mohamed** and G. Jung. 1995. Inheritance of resistance to common bacterial blight in tepary beans". *Annu. Rpt. Bean Improv. Coop.* 38:162-163

- ☉ **Mohamed, M.F.**, E. Arnaud-Santana, and D.P. Coyne. 1995. Rooted trifoliolate leaves of common beans for extended evaluation of the reaction to common bacterial blight". Annu. Rpt. Bean Improv. Coop. 38:156-157
- ☉ **Mohamed, M.F.**, E. Arnaud-Santana, and D.P. Coyne. 1993. Rooting of bean leaves and use in germplasm evaluation for common bacterial blight resistance". Euphytica 65:161-166
- ★ **Mohamed, M.F.**, D.P. Coyne, and P.E. Read. 1993. Shoot organogenesis in callus induced from pedicel explants of common bean (*Phaseolus vulgaris* L.)". J. Amer. Soc. Hort. Sci. 118:158-162
- ★ **Mohamed, M.F.**, D.P. Coyne, and P.E. Read. 1993. Enhanced differentiation of somatic embryoids in callus cultures of common bean". Annu. Rpt. Bean Improv. Coop. 36:16-17
- ★ **Mohamed, M.F.**, P.E. Read, and D.P. Coyne. 1992. Dark preconditioning, CPPU, and thidiazuron promote shoot organogenesis on seedling node explants of common and faba beans". J. Amer. Soc. Hort. Sci. 117:668-672
- ★ **Mohamed, M.F.**, P.E. Read, and D.P. Coyne. 1992. Plant regeneration from in vitro culture of embryonic axis explants in common and tepary beans". J. Amer. Soc. Hort. Sci. 117:332-336
- ★ **Mohamed, M.F.**, P.E. Read, and D.P. Coyne. 1992. Organogenic callus induction and shoot morphogenesis in common bean". Annu. Rpt. Bean Improv. Coop. 35:25-26
- ★ **Mohamed, M.F.**, P.E. Read, and D.P. Coyne. 1992. Effect of darkness preconditioning and forchlorfenuron (CPPU) or thidiazuron (TDZ) in the medium on shoot organogenesis from seedling nodes of common and faba beans". Annu. Rpt. Bean Improv. Coop. 35:70
- ☉ **Mohamed, M.F.**, E. Arnaud-Santana, and D.P. Coyne. 1992. Reaction of common bacterial blight disease in intact and detached trifoliolate-leaves of beans. (*Phaseolus vulgaris* L.)". Annu. Rpt. Bean Improv. Coop. 35:111-112
- ☉ **Mohamed, M.F.**, E. Arnaud-Santana, and D.P. Coyne. 1992. Rooting of trifoliolate bean leaves and some possible uses in genetics and breeding of beans (*Phaseolus vulgaris* L.)". Annu. Rpt. Bean Improv. Coop. 35:165-166
- ★ **Mohamed, M.F.**, P.E. Read, and D.P. Coyne. 1991. In vitro response of bean (*Phaseolus vulgaris* L.) cotyledonary explants to benzyladenine in the medium. Plant Growth Regul. Soc. Amer. Quarterly. 19:19-26
- ★ **Mohamed, M.F.**, P.E. Read, and D.P. Coyne. 1991. Plant regeneration in vitro from the embryonic axes of common and tepary beans". Annu. Rpt. Bean Improv. Coop. 34:150-151

II- Articles Published in Refereed International Conference Proceeding

- ☉ Emad F. S. Refai and **M.F. Mohamed**. 2009. Population and single plant-derived inbred line analyses for sex expression in summer squash (*Cucurbita pepo* L.) cv 'Eskandrani'. Proc. 6th

International conference for Plant Breeding, 3-5 May, 2009, Swiz Canal University, Ismailia City, p799-809. The Egyptian Association of Plant Breeding.

- ★/○ **Mohamed, M. F.** and A. A. Tawfik. 2007. Comparative *in vitro* callus assay suggests effective osmotic regulation of plant water relations and field resistance to drought in common and tepary beans. Proc. First Conf. "Technology and Sustainable Development in The 21th Century", Sheraton El-Montazah Alexandria City, Egypt, p44-66, Nov. 27-29, 2007. Ein Shams Univ. Alex. Univ., New Planet Assoc., EURO-ARAB Coop. Centre, The General Egyptian Organization for Standards and Quality & United Nation Environ. Program (ROWA).
- ★/○ **Mohamed, M. F.** and A. A. Tawfik. 2006. Role of cellular mechanisms in drought resistance of *Phaseolus*. The Third Intl. Conf. Develop. & Environ. Arab World, p.651-661, March 21-23, 2006, Assiut Univ. Center for Environ. Studies, Egypt.
- Kandeel, N.M., **M. F. Mohamed**, M.H. Aboul-Nasr and M.A. Mousa. 2004. RFLP-based genetic linkage map of oil radish (*Raphanus sativus* L.) using random amplified polymorphic DNA markers (RAPD). Proc. The Second Intl. Conf. Develop. & Environ. Arab World, p13-26, March 23-25, 2004, Assiut Univ., Egypt.
- ◎ **Mohamed, M.F.** 2000. Useful tepary and cowpea lines in rationalizing water use for pulse legume production in southern Egypt". The Third International Symposium on "Irrigation of Horticultural Crops". Lisbon-Portugal, June 28-July 2, 1999. Intl. Soc. Hort. Sci. Acta Hort. 537:813-822
- ★/◎ **Mohamed, M.F.** 1998. In vitro propagation of an Egyptian landrace of green pepper and breeding for tolerance to heat and drought stresses". International. Cong. Plant Biotech. as a tool for Exploitation of Mountain-lands, May 25-27,1997, Torino, Italy, Acta Hort 457: 243-253
- ◎ Tawfik, A.A. and **M.F. Mohamed**. 1997. Selection for seed yield and earliness in fennel (*Foeniculum vulgare* Mill) and correlated response in seed-oil yield". Essential Oil: Basic and applied research. Proc. 27th International Sumposium on Essential Oils, p.81-85, C. Franz, A. Mathe and G. Buchbauer (eds.). Allured Publishing Corporation, Carol Stream, IL
- ★ **Mohamed, M.F.**, P.E. Read, and D.P. Coyne. 1990. In vitro response of bean (*Phaseolus vulgaris* L.) cotyledonary explants to benzyladenine in the medium". Proc. 17th Annu. Mtg. Plant Growth Regul. Soc. Amer., p. 134. Minnesota.

III- Articles Published in Refereed National/Regional Journals

- ★ **Mousa, M. A. A.** and **M. F. Mohamed**. 2009. Enhanced Yield and Quality of Onion (*Allium cepa* L. cv Giza 6) Produced using Organic Fertilization. Ass. Univ. Bull. Environ. Res., Vol. 12 (1):9-17
- ◎ Refai, E. F. S. and **M. F. Mohamed**. 2009. Population and single plant-derived inbred line analyses for sex expression in summer squash (*Cucurbita pepo* L.) cv. 'Eskandrani'. Ass. Univ. Bull. Environ. Res., Vol. 12 (1):109-119.

- ★ **Mohamed, M. F.,** M. M. A. Abdalla and A. A. M. Damarany, Jr. 2007. Differential axillary-bud proliferation responses of two sweet potato cultivars to benzyladenine and thidiazuron. Assiut Univ. Bull. Environ. Res. 10 (2):21-30
- ★ Magdy, A. A. Mousa; **M. F. Mohamed,** M. H. Dokashi and E. F. E. Elnobi. 2007. Intra-row intercropping of cowpea and cucumber with okra as influenced by planting date of secondary crops. Assiut Univ. Bull. Environ. Res. 10 (1):13-33
- Mousa, M.A.A., N.M. Kandeel, **M.F. Mohamed** and M.H. Aboul-Nasr. 2004. Mapping QTL(s) for resistance to the beet cyst nematode (*Heterodera schachtii* Schm.) in radish (*Raphanus sativus* L). Assiut Univ. Bull. Environmental Res. 7:1-17.
- ◎ **Mohamed, M.F.,** M.A.A. Mousa N.M. Kandeel and M.H. Aboul-Nasr. 2004. The genetic control of resistance to the beet cyst nematode (*Heterodera schachtii* Schm.) in oil radish (*Raphanus sativus* L). Assiut J. Agric. Sci. 35:83-93.
- ★ Dokashi, M. H. and **M.F. Mohamed.** 2004. Growth, development and yield of cucumber as affected by irrigation frequency and mineral fertilization versus organic manure. Assiut Univ. Bull. Environmental Res. 7:65-76.
- **Mohamed, M.F.,** N.M. Kandeel, M.H. Aboul-Nasr and M.A.A. Mousa. 2004. A combined ALFP and RAPD genetic linkage map of oil radish (*Raphanus sativus* L). Egypt J. Plant Breed. 8:127-141.
- ◎ **Mohamed, M.F.** 2003. Yield, physiological and biochemical assessments of drought resistance responses in some tepary bean lines (*Phaseolus acutifolius*). Assiut Univ. Bull. Environ. Res. 6(2):65-85.
- ◎ Dokashi, M. and **M.F. Mohamed.** 2003. Genetic analysis of variability in earliness and yield among five local and exotic cowpea [*Vigna unguiculata* (L.) Walp.] varieties. Assiut J. Agric. Sci., 34(5):241-255.
- ◎ **Mohamed, M.F.,** E.F.S. Refaei and G.I. Shalaby. 2003. Growth and yield of inbred zucchini squash (*Cucurbita pepo* L.) lines developed under adverse climatic conditions. Assiut Univ. Bull. Environ. Res. 6(1):109-114.
- ◎ **Mohamed, M. F.,** E.F.S. Refaei and G.I. Shalaby. 2003. Improved selected lines of zucchini squash from cv. "Eskandrani". Egyptian J. Plant Breed. 7(1)305-312.
- ★ Shalaby, G.I., K.A. Okasha, **M. F. Mohamed,** E.A. Hassan and E.E. Fouad. 2002. Effect of sucrose and 2,4-D concentrations on callus induction and plantlet regeneration of squash (*Cucurbita pepo* L.) in anther culture“. Minia J. Agric. Res. Development. 22:333-342
- ★/◎ Shalaby, G.I., K.A. Okasha, **M. F. Mohamed,** E.A. Hassan and E.E. Fouad. (2002). Cytological studies on anther callus culture of squash (*Cucurbita pepo* L.). Minia J. Agric. Res. Development“. 22:935-945

- ★ Refaei, E.F.S., **M. F. Mohamed** and G.I. Shalaby. 2002. Planting season and dates of donor plants influence in vitro androgenesis in summer squash. Tanta Univ. J. Agric. Res. 28(3):973-980.
- ✪ **Mohamed, M. F.** A. K. Metwally and S. H. Ali. 2002. Narrow spacing enhances head yield of the artichoke. Assiut J. Agric. Sci. 33 (4):105-115
- ☉ Ahmed, A.A., M.M.A. Abdalla, **M. F. Mohamed** and E.A. Waly. 2001. Performance of some faba bean (*Vicia faba*) genotypes in orobanche infested soil". Assiut J. Agric. Sci. 32:263-290
- ☉ Abdou, A. A., **M. F. Mohamed** and N. M Kandeel. 1999. Potential variation in a garden pea collection amenable to breeding recombinant homozygous genotypes with enhanced earliness and pod yield". Assiut J. Agric. Sci. 30 (4):173-192
- ☉ Abdou, A. A., **M. F. Mohamed** and N. M Kandeel. 1999. Breeding implications on cultivar selection in garden pea (*Pisum sativum* L.) towards enhancing earliness and pod yield". Assiut J. Agric. Sci. 30 (3): 117-132
- ☉ **Mohamed, M. F.** 1997. Screening of some common bean (*Phaseolus vulgaris* L.) cultivars for production in southern Egypt and path coefficient analysis for green pod yield". Assiut J. Agric. Sci. 28(2):91-105
- ☉ **Mohamed, M. F.** 1997. Field performance and analysis for genetic constitution of advanced tomato breeding lines tolerant to heat-stress". Assiut J. Agric. Sci. 28(2):27-37
- ☉ **Mohamed, M. F.** 1997. A new source for genetic parthenocarpic fruit development in tomato (*Lycopersicon esculentum* Mill.)". Assiut J. Agric. Sci. 28(1):59-73
- ☉ **Mohamed, M. F.** 1996. Responce to gradient prolonged-intervals of irrigation under heat-stress conditions and interspecific hybridization for five tepary bean lines". Assiut J. Agric. Sci. 27(4):107-123
- ☉ **Mohamed, M. F.** 1991. Genetic analysis for high temperature seed yield in common bean (*Phaseolus vulgaris* L.)". Assiut J. of Agric. Sci. 22:161-172
- ☉ **Mohamed, M. F.** 1991. Salinity effects on emergence, vegetative growth, and seed yield of tepary beans (*Phaseolus acutifolius* A. Gray)". Assiut J. of Agric. Sci. 22:139-151
- ☉ **Mohamed, M. F.** 1991. Genetics and heritability of semi-hard seeds in a common bean (*Phaseolus vulgaris* L.) cross". Assiut J. of Agric.Sci.22:153-160
- ✪ **Mohamed, M. F.** 1991. Germination and seedling emergence of osmoprimed Jews Mallow seeds under cool temperatures. Assiut J. Agric. Sci. 22:215-230
- ★ **Mohamed, M. F.** 1990. Direct plant regeneration and multiplication on a soil medium from single seeds of common bean (*Phaseolus vulgaris* L.)". Assiut J. of Agric. Sci. 21:361-371

- ★ **Mohamed, M. F.** 1990. Improved recovery of interspecific hybrid plants in *Phaseolus* on medium supplemented with growth regulators". Assiut J. of Agric. Sci. 21:373-387
- ☉ Shalaby, G.I., M.K. Imam, A. Nassar, E. A. Waly and **M. F. Mohamed**. 1983. Studies on combing ability of some tomato cultivars under high temperature conditions: I- vegetative and flower characters. Assiut J. Agric. Sci. 14 (1)35-44
- ☉ Shalaby, G.I., M.K. Imam, A. Nassar, E. A. Waly and **M. F. Mohamed**. 1983. Studies on combing ability of some tomato cultivars under high temperature conditions: II- fruit and yield characters. Assiut J. Agric. Sci. 14 (1)47-56

IV- Articles Published in Refereed National/Regional Conference Proceeding

IV-A- Original research

- ☉ **Mohamed, M.F** and M.F.M. Abd El-Kader. 2007. Crop performance of six tomato top crosses to cv. ‘Supermarmande’. 5th conference for Plant Breeding, 27 May, 2007, Cairo University, special issue of Egypt J. Plant Breed. p235-242. The Egyptian Association of Plant Breeding.
- ★ **Mohamed, M. F.**, M. H. Dokashi , M. A. A. Mousa and E. F. E. Elnobi. 2006. Growth and yield of intercropped okra (*Abelmoschus esculentus*) and cucumber (*Cucumis sativus*). Proc. The Third Egyptian & Syrian Conference “Agric. & Food in the Arab World”, Vol. 3 No. 1, p101-108, Nov. 6-9, 2006. El Minia Univ. & Baath Univ., El Minia Univ. Egypt.
- ★ **Mohamed, M. F.**, M. H. Dokashi, M. A. A. Mousa and E. F. E. Elnobi. 2006. Competition and yield advantage in okra/cowpea intercropping in Upper-Egypt. Proc. The Third Egyptian & Syrian Conference “Agric. & Food in the Arab World”, Vol. 3 No. 2, (in press), Nov. 6-9, 2006. El Minia Univ. & Baath Univ., El Minia Univ. Egypt.
- Kandeel, N.M., **M. F. Mohamed**, M.H. Aboul-Nasr and M.A. Mousa. 2004. An intra-specific genetic linkage map of oil radish (*Raphanus sativus* L.) using random amplified polymorphic DNA markers (RAPD). Proc. Agric. Develop. Arab Nation: Obstacles & solutions, p233-252, Jan. 20-22, 2004, Assiut Univ. & Arab Univ. Assoc., Faculty of Agriculture, Assiut Univ., Egypt.
- ☉ **Mohamed, F. M.**, M. F. Abd El-Kader and G. I. Shalaby. 2002. New Potential Hybrid ‘Assiut-15’ for Production of Tomato under Adverse High Temperature Conditions. Proc. The Third Sci . Conf. Agric. Sci. p. 385-392, Oct. 20-22, Assiut Univ.
- ☉ **Mohamed F. M.**, M. F. Abd El-Kader and G. I. Shalaby. 2002. Fruit-Set and Yield of New Tomato (*Lycopersicon esculentum* Mill.) Line ‘ASS-23’ and Hybrid ‘SX23’ under Low Night-Temperature Conditions. Proc. The Third Sci . Conf. Agric. Sci. p. 393--398, Oct. 20-22, Assiut Univ.
- ★ **Mohamed F, M.**, A. K. Metwally and S. H. Ali. 2002. Stand and Yield Performance of Transplant-, Off-shoot- and Stump- Propagated Artichoke. Proc. The Third Sci . Conf. Agric. Sci. p. 429--439, Oct. 20-22, Assiut Univ.

- ☉ Abd-El-Moneem, K.M.H. and **M.F. Mohamed**. 1997. Occurrence of halo bacterial blight on common bean in Assiut and inheritance of resistance to the disease". Proc. First Scientific Conf. Aric. Sci., Dec. 1997, Vol. 1, pp 187-208. Faculty Agric. Assiut Univ. Assiut, Egypt.
- ☉ **Mohamed, M.F.** 1996. Phenotypic variability and selection for predominant pistillate flower expression in zucchini-type summer squash (*Cucurbita pepo* L.) 'Eskandrani". First Egyptian-Hungarian Horticultural Conference, Sept. 1996. Vol. 2, p.154-162, Kafr El-sheikh, Tanta Univ., Egypt.

IV-B- Review Articles

- ★/■ **Mohamed, M.F.** 1997. Review of efforts on genetic transformation of common bean (*Phaseolus vulgaris* L.) and suggestions to overcome current difficulties". Proc. First Scientific Conf. Aric. Sci., Dec. 1997, Vol. 1, p. 177-186. Faculty Agric., Assiut Univ. Assiut, Egypt.

Other Research Contributions

Abstracts of Original Research Presented in Scientific Conferences (not mentioned elsewhere)

- ★ Tawfik, A.A. and **M.F. Mohamed**. 2006. Induction of organogenic competent callus and plant regeneration of *Salvia officinalis*. Intl. ISHS Symp., The Labiatae: Advances in Production, Biotechnology and Utilisation. 22-25 Feb. 2006, Abstr # 75, Sanremo, Italy.
- ☉ **Mohamed, M.F.**, N. Keutgen, A.A. Tawfik and G. Noga. 2001. Heritability of traits related to dehydration-avoidance and their interrelations in tepary bean. Deutscher Tropentag, One World, Research for Better Life, Oct. 9-11, 2001, p.124, Univ. Bonn, Germany.
- ☉ **Mohamed, M.F.** 2001. Green pepper (*Capsicum annuum* L.) landraces-derived population and hybrids of inbreeds with high level of resistance to heat and drought. Deutscher Tropentag, One World, Research for Better Life, Oct. 9-11, 2001, p.176, Univ. Bonn, Germany.
- ☉ **Mohamed, M.F.**, N. Keutgen, A.A. Tawfik, and G. Noga. 2001. Tepary bohne- eine genetische ressource für trockenstress toleranz. 38 Gartenbauwissenschaftliche Tagung, 28 Feb.-2 March 2001, p.29, Osnabrück, Germany.
- ☉ **Mohamed, M.F.**, A.A. Tawfik, N. Keutgen, and G. Noga. 2001. Assessment of the diversity in physiological and morphological parameters for drought adaptation in tepary bean germplasm. 1st Intl. Congress on Stress Tolerance in Seeds: Genetic, Molecular and Physiological Mechanisms, p.50, 4-7 April, 2001, Wageningen, The Netherlands.
- ★ **Mohamed, M.F.**, P.E. Read, and D.P. Coyne. 1992. CPPU in the medium for seed germination promotes embryogenesis from seedling explants in common bean. HortScience 27:617
- ★ **Mohamed, M.F.**, P.E. Read, and D.P. Coyne. 1991. "Plant regeneration from tissue culture of beans". Bean Improv.Coop. Mtg., p 9, Lincoln, Nebraska, USA.
- ★ **Mohamed, M.F.**, P.E. Read, and D.P. Coyne. 1991. "Effect of thidiazuron(TDZ) and forchlorfenuron (CPPU) on shoot organogenesis from nodal cultures of common and faba beans". Bean Improv.Coop. Mtg., p 17, Lincoln, Nebraska, USA.

- ★ **Mohamed, M.F.,** P.E. Read, and D.P. Coyne. (1991). "Effect of thidiazuron(TDZ) and forchlorfenuron (CPPU) on shoot organogenesis from nodal cultures of common and faba beans". HortScience 26:681.
- ★ **Mohamed, M.F.,** P.E. Read, and D.P. Coyne. (1991). "Organogenic callus induction and shoot morphogenesis in common bean". HortScience 26:772.
- ★ **Mohamed, M.F.,** P.E. Read, and D.P. Coyne. (1990). Plant regeneration in vitro from the embryonic axis of common and tepary beans". HortScience. 25:1070.
- ★ **Mohamed, M.F.,** P.E. Read, and D.P. Coyne. (1990). In vitro response of bean (*Phaseolus vulgaris* L.) cotyledonary explants to benzyladenine in the medium". Plant Growth Regulator Society of America Quarterly. 18:123.