

السيرة الذاتية



أستاذ دكتور / أيمن فريد أبو حديد

استاذ متفرغ - قسم البساتين, كلية الزراعة , جامعة عين شمس.

الحالة الاجتماعية : متزوج وله ابنتان وولد

تاريخ الميلاد : 15 ديسمبر عام 1950.

مكان الميلاد : القاهرة - جمهورية مصر العربية

الجنسية : مصري

اللغة : العربية و الإنجليزية

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عنوان العمل : كلية الزراعة جامعة عين شمس. صندوق بريد 68 حدائق شبرا. 11241 القاهرة. جمهورية مصر العربية.

عنوان المنزل : 5 ش سعيد بهجت, النزهة , مصر الجديدة, القاهرة. جمهورية مصر العربية.

الهاتف الشخصي (منزل) : 0020226366932

(محمول) : 00201069999665

بيانات أكاديمية:

- حصل على البكالوريوس من كلية الزراعة, جامعة القاهرة في يونيو 1973
- حصل علي الماجستير من كلية الزراعة جامعة الأزهر عام 1978
- حصل علي الدكتوراه من جامعة الأزهر من قناة علمية مع جامعة ويلز, ابريستويث- المملكة المتحدة (1984)
- تلقي 15 دورة تدريبية متخصصة في مصر و الخارج في العديد من الدول منها الولايات المتحدة الأمريكية و المملكة المتحدة و فرنسا و هولندا و النرويج.
- حضر أكثر من 200 مؤتمرا دوليا و مهمة علمية في مختلف دول العالم. كما قام بتنظيم ثلاث مؤتمرات دولية في مصر في مجالات الزراعة العضوية و الزراعة المحمية و تكنولوجيا الزراعة بدون تربة.

اللقب الأكاديمي والوظيفة الحالية: استاذ متفرغ - قسم البساتين, كلية الزراعة , جامعة عين شمس.

التاريخ المهني:

- وزير الزراعة و استصلاح الأراضي الأسبق (يوليو 2013 – يونيو 2014)
- وزير الزراعة و استصلاح الأراضي الأسبق (يناير 2011 – يوليو 2011)
- رئيس مركز البحوث الزراعية الأسبق (من 4 سبتمبر 2007 – يناير 2011)
- مكلف رئيسا لمركز البحوث الزراعية ندبا من جامعة عين شمس (من 23 يونيو 07 حتي سبتمبر 2007)
- مكلف وكيلا لمركز البحوث الزراعية, وزارة الزراعة و استصلاح الأراضي (مارس - يونيو 2007)
- مدير معهد الدراسات العليا والبحوث الزراعية في المناطق القاحلة بجامعة عين شمس (2006-2007).
- رئيس قسم البساتين بكلية الزراعة جامعة عين شمس (2005 – 2007)
- الرئيس السابق لجهاز شئون البيئة (2002-2003).
- تولي رئاسة الاتحاد العام لمنتجي ومصدري المحاصيل البستانية (2003 – 2005).
- المشرف علي الشعبة الزراعيه ,الهيبه القوميه للاستشعار من البعد و علوم الفضاء بوزارة البحث العلمي (أكتوبر 2004 حتي 2007) .
- مدير المعمل المركزي للمناخ الزراعي – مركز البحوث الزراعية (1996-2004)
- استاذ الخضر بقسم البساتين. كلية الزراعة, جامعة عين شمس منذ 1994
- استاذ الخضر المساعد بقسم البساتين. كلية الزراعة, جامعة عين شمس 1989
- مدرس الخضر بقسم البساتين. كلية الزراعة, جامعة عين شمس 1984
- مدرس مساعد بقسم البساتين. كلية الزراعة, جامعة عين شمس 1983
- مدرس مساعد بقسم النبات – الشعبة الزراعية – المركز القومي للبحوث 1978
- مساعد باحث بقسم النبات – الشعبة الزراعية – المركز القومي للبحوث 1974

الخبرات المهنية :-

- حاصل علي جائزة الدولة للرواد في العلوم الزراعية (2021)
- حاصل علي جائزة جامعة عين شمس التقديرية للعلوم الزراعية (2020)
- حاصل علي وسام العلوم و الفنون من الطبقة الاولي – ابريل 2013
- حاصل علي جائزة الدولة التقديرية في العلوم الزراعية عام 2009.
- حاصل علي الميدالية الفضية لمنظمة الأغذية و الزراعة عام 1994 (الماء للحياه).
- تكريم من رئيس الوزراء في يوم البيئة العالمي 2006.
- حاصل علي الميدالية الفضية لمنظمة الأغذية و الزراعة عام 2007 (التنمية الغذائية و الإجتماعية).
- تكريم من جامعة القاهرة في احتفالات المئوية يوم الرواد عام 2008 .

النشاط العلمي :-

- أشرف علي 43 رسالة ماجستير و 27 رسالة دكتوراه. و يشرف علي 8 رسالة ماجستير و 9 رسالة دكتوراه
- نشر 252 بحثا علميا في مؤتمرات دولية أو في مجلات علمية.
- حاصل علي 9 براءات إختراع في مجال المعلوماتية الزراعية.

- الإشراف على تأليف مرجعا علميا وعمليا عن الزراعة المحمية صدرت الطبعة الأولى منه عام 1987 بإسم "محاضرات في الزراعة المحمية", تم تعديله في طبعات لاحقة، ويوزع من خلال مشروع منظمة الأغذية والزراعة بوزارة الزراعة.
- الإشراف على سلسلة من النشرات الإرشادية و المساهمة في تأليف أعدادها وتحديثها من خلال مركز البحوث الزراعية.
- مقرر و رئيس العديد من المؤتمرات الدولية وقام بتحرير ثلاثة اعداد من مجلة البساتين الدولية (Acta Hort).
- مستشار لمنظمة الأغذية والزراعة- برنامج الأمم المتحدة الإنمائي - برنامج الأمم المتحدة للبيئة- منظمة الأمم المتحدة للتنمية الصناعية- الاسكوا- الاكساد - والمركز الدولي للبحوث الزراعية في المناطق الجافة (إيكاردا) .
- قام بتأليف عددا من المنشورات الفنية الصادرة من منظمة الأغذية والزراعة بمجموعة عمل الزراعة المحمية في حوض البحر المتوسط و منها "قاعدة المعلومات للزراعة المحمية" باللغة الإنجليزية و "الزراعة بدون تربة في حوض البحر المتوسط" بالإنجليزية و "الزراعة بدون تربة" باللغة العربية عن قسم الإنتاج النباتي بمنظمة الاغذية و الزراعة, روما. كما ساهم في إعداد كتاب عن سياسات برامج البذور في منطقة الشرق الأدنى وشمال أفريقيا مع منظمة الأغذية والزراعة. و كتب فصلا باللغة الانجليزية في كتاب التغيرات المناخية و الامن الغذائي في غرب اسيا وشمال افريقيا نشرته البحر المتوسط نشرته منظمة الاغذية و الزراعة برقم 217 في سلسلة انتاج و وقاية النباتات سنة 2013.

الأنشطة التأسيسية:-

- اسس مركز معلومات التغيرات المناخية بوزارة الزراعة و هو اول رئيس له منذ 2009 و حتي نوفمبر 2015.
- اسس معهد الدراسات العليا و البحوث الزراعية في المناطق القاحلة بكلية الزراعة بجامعة عين شمس (2006)
- قام بإنشاء درجة الماجستير الدولية مع جامعة ميلانو و معهد المناطق القاحلة ، جامعة عين شمس (2006)
- أسس عام 1996 المعمل المركزي للمناخ الزراعي - مركز البحوث الزراعية و كان اول مديرا له (1996-2004).
- قام بنشر شبكة متكاملة من محطات الأرصاد الجوية الالية علي كافة الجمهورية و استخدامها في البحوث و الإرشاد باستخدام نظم المعلومات والنماذج الرياضية.
- اسس الشبكة القومية للأرصاد الجوية الزراعيه بوزارة الزراعة عام 1995 .
- أسس مركز تدريب البوصيلي للزراعة المحمية ضمن مشروع الزراعة المحمية وذلك بمساهمات من هولندا ومنظمة الأغذية والزراعة وكذلك وكالة التنمية الدولية الأمريكية ثم تحولت الى وحدة ذات طابع خاص تابعة للمعمل المركزي للمناخ الزراعي والتي تحتوي على عدد (158) صوبة زراعية ومبنى للتدريب لخدمة منطقة شمال الدلتا
- شارك في تأسيس معمل الزراعة في المناطق القاحلة من العديد من المشروعات البحثية و التطبيقية ثم قام بتأسيس وحدة الزراعة في المناطق القاحلة عام 1996 ، والوحدة بحثية خدمية ذات طابع خاص بجامعة عين شمس تحوي معامل و حواسب و مكتبة ومزرعة ووحدات متطورة لقياسات النمو و التطور للنبات و التي طورها الي مركز خدمات و بحوث الزراعة في المناطق القاحلة بجامعة عين شمس عام 2006 وعين مديرا له.
- قام بوضع مقترح مشروع الزراعة المحمية مع منظمه الاغذية والزراعة وبرنامج الامم المتحدة الانمائي وعين مديرا له في المرحلة الاولي (1988-1995) و المرحلة الثانية (1995 - 2002).
- انتدب عام 1987 مقررًا للجنة القومية للزراعة المحمية ورئيس لجنة المتابعة في وزارة الزراعة التي تولت نشر الزراعة المحمية بمصر.

عضوية الجمعيات و الشبكات العلمية السابقة بالصفة الشخصية:

- عضو مجلس امناء مدينة زويل العلمية
- عضو مجلس ادارة مراكز البحوث الزراعية المتقدمة في البحر المتوسط (CIHEAM) و نائب رئيس المجلس 2014-2015 .
- عضو اللجنة العلمية لهيئة سلامة الغذاء - ابو ظبي
- عضو المجالس القومية المتخصصة- شعبة الإنتاج النباتي و لجنة الهندسة الوراثية.
- عضو مجلس بحوث البيئة و التنمية- أكاديمية البحث العلمي
- عضو مجلس بحوث الزراعة و الغذاء - أكاديمية البحث العلمي
- عضو اللجنة الإستشارية للتغيرات المناخية- وزارة الدولة لشئون البيئة
- عضو اللجنة التنسيقية لمشروع محاور التنمية- مركز بحوث الإسكان و البناء
- سكرتير تحرير المجلة المصرية للبياتين.
- رئيس منتخب لشعبة الزراعة المحمية بالجمعية الدولية للبياتين- بلجيكا (ISHS). و تضم الشعبة المئات من الشخصيات العلمية الدولية في هذا المجال (1998 - 2006).
- عضو مؤسس لمجموعة عمل الزراعة بدون تربة بقسم إنتاج و تغذية النباتات بمنظمة الأغذية و الزراعة (FAO) منذ 1998 .
- عضو مجلس ادارة رابطة البحوث الزراعية لأقليم شمال افريقيا والشرق الأدنى (AARINENA) منذ 2008 حتى 2011

التعاون الدولي

الباحث الرئيسي لعدد من المشروعات المحلية و الاقليمية والدولية بتمويل من جهات علميه محليه و دوليه حيث قام بإعداد مشروعات مشتركة مع عدد من الباحثين في الدول التالية:

السويد، النرويج، هولندا، أسبانيا، فرنسا، إيطاليا، ألمانيا، المملكة المتحدة، الولايات المتحدة الأمريكية، اليونان، تركيا، سوريا، الأردن، لبنان، تونس، المغرب

المشروعات البحثية:

- المدير الفني لمشروع تطوير معمل الزراعة في المناطق القاحلة والتأهيل للأعداد ISO 17025 الممول من وزارة التعليم العالي وجامعة عين شمس من 2014
- الباحث الرئيسي لمشروع التنمية المجتمعية المستدامة: برنامج التجمعات الزراعية المتكامله بسيناء احد مشروعات مؤسسة مصر الخير – المرحلة (1) النموذج التنموي. من 2014 .
- مدير مشروع الفحص الشامل للإنتاج الزراعي في منطقة وادي النيل والدلتا (CIPA) ، خلال الفترة من أبريل 2008 حتى ديسمبر 2011
- مستشار لمشروع تكيف الزراعة في المناطق الأوربية في المخاطر البيئية في ظل تغير المناخ (ADAGIO) الممول من الاتحاد الأوربي خلال الفترة من 2007 حتى 2009
- الباحث الرئيسي لمشروع كفاءة إستخدام المياه لإنتاج خضر عالية الجودة (2003 – 2007).
- المنسق الوطني لمشروع (ENCO-DC) مشروع زراعة الأراضي الهامشية للزراعة المحمية في شمال الدلتا وجنوب تركيا (Intensive Agriculture) بتمويل من الإتحاد الأوروي خلال الفترة (1997 – 2001). من الإتحاد الأوروي مع المملكة المتحدة و اسبانيا و تركيا و مصر
- المنسق الوطني لمشروع الزراعة المائية صديقة البيئة (ECOPONICS) ممول من الإتحاد الأوروي بالتعاون مع تركيا، المغرب، الأردن، المانيا ومصر خلال الفترة من 2003 حتى 2006.
- المنسق الإقليمي لمشروع التحكم في كميته الانبعاثات والحد من المخاطر الناتجة عن تغير المناخ في شمال افريقيا بالتعاون مع مصر ، تونس، المغرب، أسبانيا والممول من البرنامج البيئة للأمم المتحدة منذ 2002 وحتى 2006.
- الباحث الرئيسي لمشروع تقييم التأثيرات والتغيرات المناخية في شمال افريقيا (AIACC-90) خلال الفترة من 2002 حتى 2004.
- المدير القومي لمشروع الزراعة المحمية (FAO-UNDP- EGY/86/014) (1987 – 1995)
- المدير القومي للمرحلة الثانية من مشروع الزراعه المحمي (FAO-UNDP- EGY/95/002) خلال الفترة 1995-2002.
- مدير مشروع انشاء قاعده بيانات للارصاد الجوية الزراعيه بمصر والممول من فرنسا خلال الفترة (1999-2003).
- الباحث الرئيسي لمشروع كفاءة الاستخدام المستدام للمياه في منطقة البحر المتوسط (Hortimed) (ICA3 1999- (00009) خلال الفترة من 1999 إلى 2003.
- الباحث الرئيسي لمشروع الغذاء الأخضر من الأسطح الخضراء (GFGR) في المناطق الحضرية وشبه الحضرية - مصر (FAO- TCP / EGY / 0166) الفترة من نوفمبر 2001 إلى أبريل 2003.
- منسق مشروع ادارة المزارع الحقلية باستخدام ونقل التقنيات الزراعيه الحديثه (IRIS) (استخدام ونقل التكنولوجيا) (US- AID) خلال الفترة 1997-2001.
- الباحث الرئيسي لمشروع تطوير الري الحقلية للقول والقمح باستخدام الري تحت السطحي (1997 – 2000)
- مستشار لمشروع الزراعة المحمية في الجزيرة العربية للإيكاردا (1995 – 2005).
- الباحث الرئيسي لمشروع استخدام التقنية الحديثة في الزراعة المحمية (2002 – 2006).

- مستشار لمشروع استخدام المخلفات الزراعية خلال الفترة (2002 – 2006)
- الباحث الرئيسي لمشروع استخدام بيانات الأرصاد الجوية في الإدارة المائية للمحاصيل في الإدارة الجديدة (1995 – 1997) (مشروع استخدام ونقل التكنولوجيا).
- مدير مشروع تدريب شباب الخريجين في الأراضي المحمية والممول من فرنسا خلال الفترة (1994 – 1998)
- الباحث الرئيسي لمشروع الاستفادة من الزراعة المائية ونظم الزراعة في الأحواض لزيادة إنتاجية الخضروات – (US-AID & ATUT، 1994-1996).
- مساعد الباحث الرئيسي لمشروع الزراعة في المناطق القاحلة (US-AID - CALAR II) خلال الفتره من (1990-1995)
- عضو الفريق البحثي لمشروع الزراعة في المناطق القاحلة – نشاط الملوحة (US-AID - CALAR I) خلال الفترة (1989-1981)
- الباحث الرئيسي لمشروع انتاج الخضر تحت الظروف المناخيه المعدله في المناطق القاحله ممول من المنظمة الدولية للعلوم بالسويد (IFS) خلال الفترة من (1985 – 1987)
- باحث في المشروع المصري النرويجي للطماطم EGNO (ممول من NORAD) خلال الفترة (1979 – 1983).

المقررات التي اشترك في تدريسها:

مقررات الدراسات العليا:

- 1- الزراعة المحمية في البساتين
- 2- استخدام منظمات النمو في البساتين
- 3- تغذية و ري محاصيل الخضر
- 4- انتاج خضر بدون تربة
- 5- الارصاد الجوية الزراعية

مقررات مرحلة البكالوريوس:

- 1- انتاج بساتين
- 2- اساسيات بساتين
- 3- فسيولوجي خضر وزينة

السفر للخارج: ما يزيد عن 200 مهمة علمية و دورة تدريبية و اجازة دراسية

الإهتمامات البحثية: التنمية الزراعية و الريفية، المناخ الزراعي، البيئة الزراعية، الإجهاد البيئي، علاقة النبات بالماء، المقننات المائية، الري، الزراعة المحمية، الزراعة بدون تربة، انتاج الخضر، تربية الخضر و انتاج البذور.

الأبحاث المنشورة: 256 بحث

براءات الاختراع: 9 براءات لبرامج حاسب ألي لأدارة المزارع و تطبيقات المناخ الزراعي

مؤلفات اخرى:

- شارك في اعداد و تأليف 6 كتب
- نظم 4 مؤتمرات دولية
- قام و شارك في تحرير خمسة كتب ناتجة من مؤتمرات دولية
- قام بتأليف 8 فصول في كتب منشورة
- ساهم في اعداد 11 تقرير علمي لمنظمات دولية
- شارك في تأليف و اعداد 19 نشرة ارشادية زراعية تتضمن تكنولوجيات متقدمة.
- اشرف الاستاذ الدكتور أيمن فريد ابو حديد خلال تاريخة العلمي علي العديد من رسائل الماجستير و الدكتوراه. الرسائل العلمية المجازة تحت اشرافه عددها 70 رسالة منها عدد 27 رسالة دكتوراه تم اجازتها، منها 8 منحت بعد الحصول علي الجائزة التقديرية و 19 قبلها. كما اشرف علي 43 رسالة ماجستير تم اجازتها منها 3 منحت بعد الحصول علي الجائزة التقديرية و اربعين قبلها. هذا بالاضافة الي اشرافه حاليا علي 17 رسالة جارية منها 8 ماجستير و 9 دكتوراه.

رسائل ماجستير

رقم	اسم الطالب	تاريخ التسجيل	تاريخ المنح	عنوان الرسالة
1	محمد محمود صالح (زراعة الأزهر)	1985	1990	اثر التظليل علي نمو الخضر تحت الانفاق المنخفضة
2	اسامه احمد البحيرى	1985/6/15	1990/4/29	دراسات على بعض النظم المختاره للزراعة تحت الظروف المحمية لبعض محاصيل الخضر
3	سمير رجب احمد محمد	1988/1/11	1991/1/27	تأثير تغطيه التربه بالبلاستيك على نمو محصول بعض محاصيل الخضر
4	محمود عبدالله محمد مدني	1988/1/11	1991/8/19	دراسات على الاحتياجات الحراريه لمحصولي الفلفل والخيار تحت الصوب البلاستيكيه
5	محمد محمود عيسي احمد (معهد البيئه- عين شمس)	1990	1992/5/7	تأثير المناخ في الحقل المكشوف علي المناخ الدقيق تحت الصوب البلاستيكية
6	سامى عبد الجواد محمد جعفر	1988/1/11	1991/10/28	دراسات على الاستهلاك المائى لنباتات الفلفل والخيار الناميه تحت ظروف الصوبات البلاستيكيه المدفاه والغير مدفاه
7	محمد زكى السيد الشناوي	1987/10/12	1992/12/26	دراسات على الاستهلاك المائى لبعض محاصيل الخضر تحت الصوب البلاستيك
8	منال محمود مرسى الطنطاوى	1989/9/18	1993/3/20	الميزان المائى لبعض محاصيل الخضر تحت ظروف منطقه جنوب الدلتا
9	شريف معوض حسنين (كلية البنات- عين شمس)		1993/ 9/5	دراسات علي ميكروفلورا نباتات الزراعة المحمية
10	احمد عبد النبى احمد عبدالرحيم	1991/2/11	1994/5/ 18	تأثير بعض المعاملات الزراعيه على انتاج البطاطس من الدرنات العاديه والشثله الناجمه من البذره
11	وائل عبد القادر حسين التهامي	1992/9/21	1995/6/28	دراسات فسيولوجيه على تحمل شتلات الفلفل لاضرار درجات الحراره المنخفضه
12	عبد الموجود رجب عبد الموجود	1992/9/21	1995/10/19	تأثير بعض الظروف البيئيه غير المناسبه على نمو الطماطم فى الاراضى القاحله
13	شعبان الدسوقي عبد العزيز	1993/1/11	1995/12/3	دراسات على الري والتسميد للبطاطس فى الاراضى المستصلحه حديثاً
14	امانى نجاشى كراس	1994/1/10	1997 /2/25	تأثير مواعيد الزراعه والاجهاد المائى على انتاجيه نباتات الفاصوليا
15	فريد شوقى فريد	1992 /9/21	1997 /3 /16	دراسات من كفاءه استخدام الاسمده لنباتات الطماطم
16	ماجد عبد العزيز ابراهيم	1994/ 1/10	1997/ 5/ 19	تأثير الرطوبة الارضية على نمو ومحصول نباتات الفلفل تحت ظروف الزراعة المحمية
17	سعيد عبد الحليم عبد العاطى	1994 /1/ 10	1997/6/14	تأثير بعض الاسمده العضويه على نمو ومحصول الفلفل الحلو المنزرع تحت البيوت البلاستيكيه
18	احمد عبدالله عبد الصمد	1994 /1/10	1997/8 / 11	دراسات على تأثيرالري والمحاصيل السابقه على نمو ومحصول وجوده البصل
19	محمد ابراهيم خليل	1994/1/10	1998 /7/12	الاحتياجات المائيه لنباتات الكانتلوب تحت الزراعه المحمية

رقم	اسم الطالب	تاريخ التسجيل	تاريخ المنح	عنوان الرسالة
20	محمد ابو السعود محمد	1994/9/19	1999/1/23	توصيف سلالات الباميا المحليه فى مصر
21	ايناس فاروق فهمى	1996/ 9 / 9	2000/1/ 16	توصيف بعض الاصناف المحليه التابعه للعاثله القرعيه النامييه تحت الظروف المصريه
22	محمد عبد ربه احمد	1998/ 2/18	2001/5/ 21	تأثير تظليل الصوب البلاستيكيه على نباتات الخيار
23	احمد عونى احمد فرج	1997/ 9/ 15	2001/9/ 23	تأثير التهويه الطبيعيه على محصول وجوده ثمار الخيار تحت الصوب البلاستيكيه
24	سمير محمود محمد صالح	1997/9/ 15	2002/1/ 21	تأثير لون الغشاء البلاستيكي على نمو انتاجيه الفلفل الحلو
25	طارق فهمى على عبد القوى	1998/2/ 18	2003/2/ 15	تأثير بعض الاسمده العضويه والمعدنيه على نمو نبات وجوده ثمار الخيار تحت الصوب البلاستيكيه
26	سعد ابو الحسن عبد العزيز	1999/9/ 20	2003/7/ 27	دراسات على انتاج الكنتالوب عضوياً باستخدام تقنيه الفيلم المغذى
27	فاطمه سيد مرسى	2000/9/ 11	2003/8/ 10	دراسات على انتاجيه وجوده الكنتالوب تحت تأثير الري بالماء المالح
28	سيد حسن احمد السيد	1999/9/ 20	2003/8/ 11	دراسات على انتاج الفراوله باستخدام طرق زراعة بدون تربة
29	اشرف عبد الباسط على	1999/9/ 20	2004 /5/ 9	دراسات على انتاج الطماطم والفلفل الحلو والبادنجان باستخدام تقنيه الفيلم المغذى الرقيق مقارنة بالزراعه الارضييه تحت الظروف المحمييه فى شمال سيناء
30	نسرين احمد صبرى محمد	1999/9/20	2004/11/10	دراسات على التكاثر الدقيق فى الطماطم تحت ظروف الإجهاد
31	نهى جابر عبد الرحمن	2000/1/8	2004/11/10	انتاج الكنتالوب بأستخدام طرق الزراعه للأراضيه المختلفه مقارنة بالتربيه تحت الزراعه المحمييه
32	نيفين السيد متولى	2001/9/17	2005/12/17	دراسات على انتاج القرنفل بواسطه تقنيه الزراعه اللا ارضيه تحت ظروف الزراعه المحمييه
33	حسين عبده جاد عطاي	2002/2/ 13	2006/9/ 17	انتاج الخيار فى منطقه الشلاتين با استخدام تقنيات مختلفه من الزراعه بدون تربيه
34	فضل عبد الحميد هاشم	2004/9/ 6	2007/6/ 26	دراسه على الاحتيا جات المائيه والتسميد النيتروجيني للخيار تحت الزراعه المحمييه
35	نعمه محمد التهامى	2004/9/ 6	2007/10/ 3	تقيم بعض اصناف البطاطس المدخله حديثاً تحت الظروف المصريه
36	شيماء احمد عبد الفتاح	2002/9/ 16	2007/11/18	دراسات على انتاج الجريبرا باستخدام مزارع البيئات تحت ظروف الزراعه المحمييه
37	مروه ابراهيم محمد	2002/9/ 16	2008/4/ 26	دراسات على انتاج الجارنيا باستخدام مزارع البيئات تحت ظروف الزراعه المحمييه
38	هدى احمد ابراهيم	2004/9/ 6	2008 /7/ 9	تحسين انتاجيه وجوده محصول الفاصوليا الخضراء باستخدام بعض المعاملات السماديه
39	سامح محمد محمد الصاوى	2004/9/6	2009/5/ 21	تحسين فاعليه بعض المبيدات الحيويه البكتيرييه للنيما تودا باستخدام الهندسه الوراثيه
40	زكريا محى محمود (ماجستير المناطق القاطله)	2008/10/13	2012/11/18	زياده جوده ثمار الكنتالوب النامييه فى تقنيه الفيلم المغذى
رقم	اسم الطالب	تاريخ التسجيل	تاريخ المنح	عنوان الرسالة

استخدام الاستشعار من البعد ونظم المعلومات الجغرافية في حساب الوحدات الحرارية المتجمعة لأهم آفات القطن الحشرية في مصر	2008/9	2005	منى يونس (علوم عين شمس)	41
انتاج تقاوي البطاطس باستخدام التقاوي الصغيرة	2010/12/6	2006/2/6	ابراهيم حسين عثمان	42
تأثير الحديد والمنجنيز علي نتاجية وجودة الفراولة المنزرعة في نظام الزراعة المائية	2010/3/7	2006/2/6	ايناس نبيل محمد	43

رسائل ماجستير تحت الدراسة

رقم	اسم الطالب	تاريخ التسجيل	عنوان الرسالة
1	محمد فاروق فهمي مصطفى	2012/10/15	دراسات على جدولة مياه الري لبيساتين الزيتون في المناطق الصحراوية بناء على البيانات المناخية
2	عبد العاطي محمد عبد العاطي	2012/10/15	دراسات على تسميد والرى لمحصول الموالح في المناطق الصحراوية وتأثيره بالظروف المناخية
3	قتيبة خالد الاقرع	2014/6/14	مقارنة تأثير استخدام الاسمدة العضوية المختلفة على انتاجية محصول الخيار في الزراعة اللاارضية
4	امانى عبد العزيز عبد المقصود	2013/2/11	تقدير الفاقد من المياه بالبخر والبخر نتج من الحشائش المائية
5	اشرف سعد جودة ابراهيم	2013/2/11	تأثير ادارة مياه الري ورش السليكون على تجنب اضرار البرودة وتحسين المحصول في بعض اصناف المانجو
6	طعمة احمد موسى	2013/10/24	تقدير معامل النمو المحصولي لنبات القلقاس تحت ظروف منطقة دلتا النيل
7	مصطفى محمد عبد الوهاب	2014/4/9	اثر التغيرات المناخية على الاحتياجات المائية وانتاجية محصول البطاطس
8	امانى فاروق عبد الحميد	2014/4/9	تنوع الخصائص الاسبكتروسكوبية للمراحل الفسيولوجية المختلفة لبعض اصناف الزيتون وعلاقتها بالانتاجية

رسائل الدكتوراه

رقم	اسم الطالب	تاريخ التسجيل	تاريخ المنح	عنوان الرسالة
1	محاسن على عبده منياري (اليمن)	1987/10/12	1991/9/11	الاستجابة الفسيولوجية للجفاف لبعض اصناف الطماطم المحليه والمستورده
2	يمنى ابراهيم حسانين حلمي	1987 / 2 / 9	1992/6/ 29	دراسات فسيولوجيه على الاقلمه للملوحه فى بعض محاصيل الخضر
3	ابو الفتوح محمد عبدالله يوسف	1990 / 1 / 8	1993/12/25	دراسات فسيولوجيه على انتاج وجوده بذور الخيار
4	محمد محمود عيسي (معهد البيئة- عين شمس)	1992	1994/9/18	نوات الموسم البارد علي شمال مصر و تأثيرها علي تنمية الصحراء
4	سمير رجب احمد	1991/10/14	1996/ 1 / 1	دراسات على نمو محصول الطماطم تحت بعض نظم الزراعه الحديثه
5	محمود عبد الله محمد مدنى	1992/9/21	1997/1/ 22	دراسات على نماذج نمو الخيار
6	منال محمود مرسى الطنطاوى	1994 / 1 / 3	1997/4/24	الاستجابة النباتيه للعوامل المناخيه كدلاله للتنبؤ بالبحر نتج لبعض محاصيل الخضر
7	محمد زكى السيد الشناوى	1993/9/20	1997/9/22	استجابته نباتات الخيار للرى تحت بعض الظروف البيئيه
8	احمد عبد النبى احمد	1995/1/ 9	1999/11/23	دراسات فسيولو جيه على تكوين درنات البطاطس تحت ظروف الاجهاد البيئى
9	اسماء رضا محمود يوسف	1995/1/9	2000 /1/27	تأثير بعض المعاملات الزراعيه على انتاجيه وجوده البصل
10	وائل عبد القادر حسين	1996/2/12	2000/3/26	دراسات على انتاجيه نباتات الفاصوليا تحت ظروف الاجهاد البيئى
11	محمود محمد حامد عبد الباقي	1995 / 1 / 9	2000/8/ 21	تأثير انتاجيه بعض محاصيل الخضر بنظام التحميل
12	ماجد عبد العزيز ابراهيم	1998/2/18	2002/8/4	دراسات على الاحتياجات المائيه والنيتروجينيه لنباتات الفاصوليا
13	داليا محمد عبد السلام	2001 / 1 / 8	2004/11/10	دراسات على الطاقه المستخدمه لانتاج البطاطس والقليل الحلو المنتج عضويا
14	ايمن كمال ابراهيم	1998 / 9 / 21	2005/1/ 13	دراسات على استخدام الزراعه بدون تربه لانتاج ازهار الكريز انثيم
15	محمد عبد ربه احمد عبد ربه	2002/2/13	2005/8/2	ادارة التسميد مع الرى لنباتات الخيار تحت الصوب البلاستيكية
16	محمد ابو السعود محمد	1999/9/20	2005/8/ 24	دراسات على انتاج الخيار باستخدام نظم الزراعه العضويه اللاارضية
17	سمير محمود محمد صالح	2002/9/16	2007/8/7	دارسة تأثير التغيرات المناخية المستقبلية المتوقعه على انتاجيه البطاطس فى مصر
18	نسرين احمد صبرى	2005 / 9 / 5	2009/9/16	انتاج شتلات الكنتالوب باستخدام تقنية زراعة الانسجة
19	ايهاب ابراهيم صادق	2003/9/ 1	2009/9/15	تأثير بعض معاملات التظليل والتهوية على نباتات الطماطم النامية فى مزارع البرليت
20	سعد ابو الحسن عبد العزيز	2004/9/6	2010/4/26	دراسات على استخدام منقوع انواع مختلفة من الكمبوست كمحالييل مغذية لانتاج الكنتالوب بتقنية الفليم المغذى
21	سيد حسن احمد	2004 / 9 / 6	2010/4/26	تأثير التوجيه للنظم المكثفة للزراعة بدون تربة على انتاجيه وجوده الفراولة
22	طارق فهمى على عبد القوى	2004/9/ 6	2010/5 /30	دراسات على استخدام المخالفات العضوية لزيادة كفاءة التعقيم الشمسى لانتاج الفراولة
رقم	اسم الطالب	تاريخ التسجيل	تاريخ المنح	عنوان الرسالة

23	احمد محمد محمد الطناحي	2005/9/5	2010/5/30	دراسات على استخدام النظم المختلفة للزراعة بدون تربة على انتاجية وجودة ثمار الكنتالوب
24	نفين السيد متولى	2006/9/11	2010/6/29	دراسات على انتاج القرنفل باستخدام نظم زراعة بدون تربة مختلفة
25	فاطمة سيد مرعى	2004/9/6	2010/6/29	تأثير التظليل والملوحة والتلقيح البكتيرى على انتاجية وجودة الفلفل الحلو تحت ظروف الزراعة المحمية
26	زكريا يحيى محمود	2008/10/13	2013/11/18	زيادة جودة ثمار الكنتالوب النامية في تقنية الفيلم المغذي
27	عبد الرؤوف مسعود على	2012/10	2014/11	استخدام تقنيات الاستشعار من البعد ونظم المعلومات الجغرافية فى رصد مساحة و انتاجية بعض المحاصيل الحقلية

رسائل دكتوراه تحت الدراسة

رقم	اسم الطالب	تاريخ التسجيل	عنوان الرسالة
1	محمود محمد احمد المليح	2012/3/18	تأثير الري بمياه ملوثة صناعيا على نظام التربة والمحاصيل الزراعية فى منطقة الدلتا
2	هناء على عبد الرحمن	2012/3/8	تأثير انواع السماد المختلفة على نمو و انتاجية وجودة محصول البروكلى
3	السيد محمد امين	2013/2/11	تأثير ادارة مياه الري ورش منظمات النمو على استيفاء احتياجات البرودة اشجار الزيتون
4	باسم لطفى سلامة	2013/2/11	تأثير طرز التقييم وتغطية التربة على انتاجية وجودة المانجو الكيت فى الاراضى حديثة الاستصلاح
5	احمد السيد حمزه عثمان	2015/10/15	تأثير بعض معاملات التسميد العضوي علي نمو و انتاجيه بعض اصناف الحرنكش
6	فاطمة الطوخى	2013/10/12	تأثير بعض المركبات العضوية المعدنية على نباتات الطماطم تحت ظروف الري بالماء المالح
7	كفاح زكريا محمود محمد	فبراير 2015	تأثير التغيرات المناخية علي صحة و انتاج نباتات البطاطس تحت الظروف البيئية المصرية
8	محمد حسن خليل حسن	فبراير 2015	استجابة بعض أصناف الذرة الشامية لمواعيد الزراعة والتسميد العضوي والتسميد المعدني النانو تحت الظروف الملحية بواحة سيوة
9	نجلاء محمود طه سليمان	فبراير 2015	تأثير بعض المواد المضادة للنتح في زهرة الشمس لتوفير ماء الري وتأثيرها علي الانتاجية

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Emeritus Professor, Arid Lands Agricultural Studies and Research Institute, Faculty of Agriculture, Ain Shams University, Cairo, Egypt since 2010.

Past employment:

Minister of Agriculture and Land Reclamation, Egypt (July 2013- June 2014)
Minister of Agriculture and Land Reclamation, Egypt (February 2011- July 2011)
President, Agricultural Research Center (ARC), Ministry of Agriculture and Land reclamation, Giza – Egypt. (June 2007- February 2011)
Deputy President of ARC, (March- June 2007).
Chairman of Horticulture Department, Faculty of Agriculture, Ain Shams University, (2005-2007).
Executive Director of Egyptian Environment Affairs Agency (EEAA), Ministry of Environment, 02-03.

Professor November , 1994- June 2007: Department of Horticulture, Faculty of Agriculture, Ain Shams Univ., P.O. Box 68, 11241 Hadayek Shobra, Cairo, Egypt.

Assistant Lecturer to Associate Professor, January, 1984 - November, 1994 , Dept. Hort., Faculty of Agric., Ain- Shams University.

Assistant Researcher to Assistant Lecturer, August, 1974, January, 1984, National Research Center, Giza, Egypt.

Scientific Society's Memberships:

Egyptian Society for Horticulture (ESH), International Society for Horticultural Sciences (ISHS), National Geographic Society. National Geographic Society.

Awards & Honoring :

1. National Award of Pioneer in Agriculture Sciences, , Egyptian Academy for Scientific Research and Technology (2021)
2. Ain Shams University Award for recognition in Agricultural sciences October 2020
3. Medal of Science and Arts First grade- April 2013
4. National Award for Agricultural Sciences, Egyptian Academy for Scientific Research and Technology, 2009.
5. Award of Honor in occasion of the centenary of the Pioneer Festival, the Association of Graduates in 2008, Cairo University.
6. Silver Medal World Food Day celebration and honor contributors to the nutritional and social development in September 2007
7. Award of Honor from the Prime minister of Egypt and the Minister of State for Environmental Affairs on the occasion of World Environment Day 2006.
8. FAO Silver Medal, World Food Day "Water for Life" in 1994.

Publications :

Over 256 articles published in refereed journals and International meetings in the fields of stress physiology, greenhouse management, water use efficiency and irrigation, arid lands management, culture, organic cultivation of horticultural crops, and applications of agro climatic data for crop management.

Scientific and Developmental Activities:

Other activities:

1. Accomplished 2-day Nile Basin Discourse 2015 Egypt -NDF Members' capacity building on Climate Risk Management (CRM) assignment.
2. The **first chairman** of (North Africa and Sub-Sahara Regions Organization (NASRO), Forum of Agricultural Research in African (FARA), AU, April 2009.2011
3. **Supervisor** of EBIC, "Egyptian Biotechnology Information Center", 2007-2009.
4. **Member** of the **Supreme** Court of Values, Egypt, 2008-2009

5. **Chairman**, Union of Producers and Exporters of Horticultural crops, Egypt, 2003 – 2005.
6. **Founder** and first Director of the Central Laboratory for Agricultural Climate (CLAC), Agricultural Research Center, Ministry of Agriculture, Egypt July, 1996 to October 2004.
7. **Founder** and first Chairman of the Board, Bosaily's Protected Cultivation Unit, Agricultural Research Center. 1987- 2004.
8. **Established and first director** of the Arid Lands Agricultural studies and Research Institute (ALARI), Faculty of Agriculture, Ain Shams University, Egypt, 2005-2007.
9. **Founder** of the Climate Change Information Center (CCICRE), Agricultural research center 2009 and first director till November 2015.
10. **Elected Chair** of the Commission of Protected Cultivation, ISHS, 1998-2006.
11. **Chairman** of the division of Agricultural Applications, Soil and Marine Sciences, National Authority for Remote Sensing and Space Sciences, Ministry of Scientific Research, Egypt, since October 2004- 2007. .
12. **Director**, Arid Land Agriculture Unit (ALARU), Faculty of Agriculture, Ain Shams Univ., 1984- 2007.
13. **Coordinator** of the FAO Working Group for Soilless Culture in The Mediterranean Region (1997- 2006).
14. **Member** of the **Board**, Egyptian Meteorological Authority, Ministry of Transportation, since 1997-2002.
15. **Chairman Elect**, Working Group Protected Cultivation in Mild Winter Climates, International Society for Horticultural Sciences (ISHS). From 1994 to 2000.
16. **Chairman** of the Interim Co-ordinating Committee of the FAO Intergovernmental Consultative Forum on Seed in the Near East and North Africa (CFS-NENA), July 1999.
17. **Rapporteur**, National Committee for Protected Cultivation, Ministry of Agriculture, Egypt (1987-1995).

Participation in the Administrative, Set-up and Social Committees in the Establishment of new Laboratories:

1. Established International Master's Degree with Milan University and Ain Shams University (2006).
2. Rapporteur of Agricultural Research and Development Council 2007-2011.
3. Rapporteur and Member of Higher Committee for Climate Change in Agricultural sector since 2007.
4. Chairman of Executive Committee of Climate Change in the Agricultural Sector 2007.
5. Member of the Supreme Committee for the Integrated Management of wetland and biodiversity, ministry of environment, 2007.
6. External member of Agricultural Studies Sector of the supreme Council of Universities, 2008 - 2010.

7. Coordinator of Land and Water Resources and Environment Group in Sustainable Agricultural Development Strategy Towards 2030; to drafting of the Agricultural Strategy and its executive plans since 2008.
8. Member of Genetic Engineering Committee in National Specialized councils since 2007 to date.
9. Member of Committee of Steering the 2nd National Communication project in Egypt since 2007 to date.
10. Chairman of Coordination Committee of model project for field irrigation supported by the Netherlands.
11. Chairman of Coordination Committee of Rural Development in West Nubaria since 2008-2010.
12. Chairman of the committee of perennial trees conservation and maintenance in zoo, agricultural museum and al-orman park, 2008-2010.
13. Supervisor of the two projects: Improvement of motherhood and childhood in Egyptian rural areas and the school nutrition program (2008-2010).
14. Rapportuer of the board of director of Agricultural research and development subsidy fund, 2008 to date.
15. Principal referee for projects presented to Sciences and Technology Development Fund and Technical Consultation Fund for Development in Scientific Research and Technology Academy, 2008 to date.
16. Member of the Working Group to prepare The National Strategy for Adaptation of Climate Change and reduce its risk, Cabinet information Center.

Scientific school and fields of interest:

Within his scientific school, about 70 M.Sc. and Ph.D. thesis have been conducted. In addition, about 8 MSc and 9 PhD studies are in progress under his supervision. This scientific school is now spread in different institutes of ARC, Deseret research center (DRC), National research center (NRC) and different Agricultural faculties.

1. Sustainable agricultural development of natural resources, this included the development of the following areas:

- Using of mathematical models and computer science to determine the water and fertilizer requirements of crops.
- Prediction of plant pests and diseases according to weather and field conditions.
- Studies for agricultural climate modification in protected cultivation.

2- Socioeconomic, impacts of good agicultural activities.

- In the field of water requirements: Due to the scientific effort the saved water can be used to irrigate new land and can contribute to increasing the cultivated area in Egypt.
- Early prediction of Pests: Early predictions of pests rationalize the use chemical pesticides and precautionary measures to reduce the are taken impact of diseases.
- Using computer Science in Agriculture: Determination of the most suitable planting date, water and fertilizer requirements for each crop that was communicated to farmers through the agricultural extension service.

- Protected cultivation: As a result of the Protected cultivation extension, not only the farmer direct incomes increased but also the related flourished industries
- Soilless culture: Due to research in this field, a new alternative to methyl bromide (That is highly harmful to the environment) is now used.
- Using of applied information technology and communication in different fields of agricultural applications and Climate Change.
- **Coordination of the On Farm Water Management National Program**, this program aims to develop different irrigation systems in the Valley and Delta (about 5 millions Feddans). Its estimated cost is LE 150 bn and a total returns of LE 180 bn. This program aims at raising the efficiency of the water use from 45% to 85% and as a result, about 13 BCM will be saved and used for reclamation of 3 m n feddans in new lands and 0.5 m n feddans in the old lands. Many international donors agencies including and World Bank and the funds for global development are participating in this project. It began in 2007 and continues until 2017 in cooperation with the Ministry of Irrigation and Water Resources.

Participation in Scientific Organizations and Associations & Development Projects:

Throughout his career, he participated in the following boards:

- Accomplished 2-day Nile Basin Discourse 2015 Egypt -NDF Members' capacity building on Climate Risk Management (CRM) assignment.
- President of the North Africa Sub-Regional Organization (NASRO);
- Vice President Of Association of Agricultural Research Institution in the Near East and North Africa(AARINENA);
- Representative of North Africa at Forum for Agricultural Research in Africa (FARA);
- Board-member, Desert Research Center;
- Board-member, National Water Research Center;
- Board-member, Academy of Scientific Research and Technology (ASRT) ;
- Board member of the Research Center for Energy and Environment;
- Chairman, Egyptian National Agricultural Library;
- Chairman-board of trustees, Agriculture Sector Development Project (ASDP) and Rapporteur Agricultural Research and Development Council;
- Chairman-board of trustees, Project of Cooperation in Rural Financial & Investment Sector;
- Member, Agricultural Sciences, Food and irrigation Council, Academy of Scientific Research and Technology (ASRT) ;
- Board-member, Remote Sensing Authority;
- Member of the Supreme Council of Universities, and Committee for Agricultural Studies Sector;
- Board-member, Faculty of Agriculture, Ain Shams University;

- Board-member, Faculty of Agriculture, Zagazig University;
- Board-member, Faculty of Agriculture, Fayoum;
- Member, Plant Production Division, Academy of Scientific Research and Technology;
- Member, Advisory Committee for Climate Change, Ministry of State of Environmental Affairs;
- Member, Pesticides Advisory Committee, Ministry of Agriculture
- Member, Coordinating Committee, Development Themes Program at Housing & Construction Research Center
- Editor Egyptian horticultural Journal.
- Head, Protected cultivation Section, International Society for Horticultural Science, (ISHS) –Belgium, involving many international scientific figures (1998-2006).
- Chairman, Soilless Culture Working Group, Plant Production and Nutrition Section/FAO (1998-todate).
- Chairman, On-Farm Water Management Working Group- AARINENA.
- Rapporteur and Chairman, of various International Conferences. Assisted in publishing two issues of International Horticulture Magazine (ACTA Horticulture).
- Consultant, FAO and ICARDA.
- Member of the Values Tribunal, 2008 to date.
- Member Genetic Engineering Committee, National Specialized Councils,
- Member, Egyptian Geographical Society
- Member, Egyptian Horticultural Society
- Member, International Society for Horticultural Science and representative of Egypt at its Board of Directors.
- Chairman, Higher Committee of the On-Farm Irrigation Improvement Project.
- Chairman, National Committee for Monitoring Tomato Leaf Miner.
- Chairman, Higher Committee for Biological Control and Organic Agriculture.

International Cooperation:

- Principal investigator in various national, regional and international Projects, funded by scientific national and international donor organizations. He designed and implemented joint project with researchers from :(Sweden, Norway, Holland, Spain, France, Italy, Germany, UK, USA, Greece, Turkey, Syria, Jordan, Lebanon, Tunisia, Morocco, etc).

Research Projects:

- National Coordinator of the Integrated Study Project, IGN France International, 2007 to date.
- Director of Intensive & Protected Cultivation Systems, Agricultural Research Center (ARC), 2002-2007.
- Coordinator, ECOPONIC Project funded by the EU, in Collaboration with Turkey Morocco, Jordan, Germany and Egypt.

- National Coordinator of the project of Emission Control and Management of Risks resulting from Climate change in North Africa, in collaboration with: Egypt, Tunisia, Morocco and Spain, funded by United Nation Development Program (UNDP), 2002-2006.
- Head of the Coordinating Committee of the project "Monitoring of Climate Change Risk Impacts on Sea Level Rise on Groundwater and Agriculture in the Nile Delta", August 2010.
- **Principal investigator**, ECOPONIC, EU INCO (Turkey, Morocco, Jordan, Egypt, Germany), 2003.
- **Coordinator**, Assessment of Impact and Vulnerability to Climate Change in North Africa (Egypt, Tunisia, Morocco, Spain), AIACC-AF90, UNEP, since July 2002.
- **Chairman** of the board of the network in Expert Consultation Meeting for Establishment of Water Use Efficiency (WUE) Network, AARINENA in collaboration with ICARDA and GFAR, 27 November, 2006.
- **Project director**, Intensive Agriculture and Protected Cultivation, Ag Research Center. Since 2002.
- **Principal Investigator**, FAO TCP project (Green Food from Green Roofs), 2001-2004
- **Principal investigator**, HORTIMED – ICA3-1999-10027 INCO_MED project. EU, 1999, 2004.
- **National Project Manager**, UNDP-FAO-EGY/95/002 "Protected Cultivation "Phase II" 1995-2002.
- **Project Director**, The Establishment of Agricultural Weather Data Base, Ministry of Agriculture, Egypt, financed through a French grant. 1999 - 2003.
- **National project manager** for UNDP-FAO-EGY/86/014 Protected Cultivation from 1987 to 1995.
- **Project Director**, on-Job-Training of young graduates on protected cultivation, Ministry of Agriculture and financed by French grant (1994-1998).
- **Principal investigator** of the Desert greenhouse research project, Cooperative arid land research program CALAR2 financed by US-AID from 1989 to 1995.
- **Researcher**, cooperative arid land research program CALAR1 (US-AID), Salinity Activity from 1981 to 1989.
- **Principal Investigator** for IFS grants No C/0913 on "Vegetable Production under Modified Climate in Arid Zones" from 1985 to 1987.
- **Member** of research team of (EGNO) project financed by NORAD, Norway and executed by the Department of Horticulture, Faculty of Agric., Ain Shams University-Cairo, and Egypt from 1979 to 1983.
- **Coordinator** on Farm Water Management Activity, Agricultural Technology Utilization and Transfer (ATUT) US-AID-Egypt Project. 1997 - 2001.
- **Coordinator**, FAO Working Group of Protected Cultivation in the Mediterranean Region 1995- 1997.

Local & International Meetings, Training Programs, Workshops and Conferences:

1. One year study leave granted by the British Council in the Dept. of Botany and Microbiology, University College of Wales, Aberystwyth, UK. (September 1981-September 1982).
2. Five week condensed course on "On Farm Water Management" in the International Irrigation Center, Utah State University, Logan, Utah, USA. (August-September, 1983).
3. Six month training program in Norway, Dept. of Vegetable Crops, Agricultural University of Norway, including green house vegetable production and computer programming, granted by EGNO-NORAD (April-September, 1984).
4. The British Council Course 543 on Modern Techniques of Soilless Culture, Brighton/York, U.K. (7-19 July, 1985).
5. Three month research grant by the British Council Tomato Linkage program. Studies on soilless culture for tomato production were carried out in the Department of Horticulture, Wyse College, University of London, UK (July-September, 1986).
6. Supervised a group training program for two weeks about protected cultivation in California, USA (October 1987) granted by the Third Educational Program as nominated by the Ministry of Agriculture, Egypt.
7. Supervised a group training program for one month in England, Holland and France granted by the Third Educational Program USAID, Egypt (March 1988) as nominated by the Ministry of Agriculture, Egypt.
8. Attended a course on computer as a tool for pest management at Silwood, University of London from 10 to 29 September 1989.
9. Two-week visit to protected cultivation farms, nurseries and research institutes in Northern and Southern Italy, 1990.
10. One week in Thailand to visit fruit trees nurseries and research institutes for fruits and vegetables, August 1990.
11. Ten days visit to the glasshouse farms and research institutes in Holland 11-20 July 1992.
12. Ten days visit to glasshouse farms and research organization in Belgium, October, 1994.
13. 10 days visit to Ohio , supervising a Ph.D. student , 1995
14. Twenty days visit to France, Holland, Germany and England to investigate production systems, quality and marketing of Horticultural crops, 1995.
15. Network system administration / webmaster training. Mediterranean Agronomic Institute at Chania (Greece). 11 to 15 September, 2000.
16. The I.P.G.S.A. "11th International Conference on Plant Growth Substances", Aberystwyth, Wales, UK.12-16, July 1982.

17. "The First African Conference on the Use of Plastic in Agriculture", Alexandria, Egypt, Oct.-Nov 1984.
18. The I.S.H.S. "International Conference on Tomato Production in Arid Land", Cairo, December 1984.
19. The I.S.H.S. Symposium on "Desert Vegetable Production" held in Tucson, Arizona, USA. October 1985.
20. Conference on "Arid Lands: Today and Tomorrow" held in Tucson, Arizona, USA. 20-25 October 1985.
21. The I.S.H.S. Symposium on protected cultivation of Solanaceae held in Algarve, Portugal (December, 1985).
22. The XXII International Horticultural Congress", University of California, Davis, USA (11-20 August, 1986).
23. The "Tomato Biotechnology Symposium" held in the University of California, Davis, USA, (21-24 August, 1986).
24. The "Second International Conference on Desert Development Systems" held in Cairo, Egypt and hosted by the Government of Egypt. January 25-31, 1987.
25. "The IFS Symposium on Agricultural Techniques to Improve Food Production in Africa", held in Niamey, Niger. 9-14 March 1987.
26. "Workshop on Advances in Agriculture through Plastic House Technology", held in Amman, Jordan. 16-18 March, 1987.
27. The IFS Symposium on "Production of Vegetable Crops" held in Tunis, Tunisia. August 1987.
28. Briefing for the post of National Director of Protected Cultivation Project in FAO Head Quarter-Rome, September 1987.
29. National Project Director Seminar, FAO, HQ-Rome, Italy. 4-5 December 1989.
30. "2nd International Symposium on Protected Cultivation of Vegetables in Mild Winter Climate" held in Crete, Greece. From 29 October to 5 November 1989.
31. Attended the "International Irrigation Conference" held in Anaheim-California, USA. From November 10 to 20 1989 in.
32. "International Congress on the Use of Plastic in Agriculture" held in Delhi, India. From 26 Feb. to 2 March 1990.
33. "Third International Conference on Desert Development". Beijing, China. 23-28 July 1990.
34. "XXIII rd International Horticultural Congress" Florence, Italy. August 30, 1990.
35. International Symposium on "Plant Biotechnology and Contribution to Plant Development Multiplication and Improvement" Palexop, Geneva, Switzerland. 19-20 April 1991.

36. INRA International Workshop on “Greenhouse Crop Models”, Castle of Saumane Vaucluse, France, 22-29 August 1991.
37. International Symposium on “Strategies for Utilizing Salt Affected Lands”. Bangkok, Thailand. 17-25 February 1992.
38. ISHS Symposium on “Soil and Soilless Media under Protected Cultivation in Mild Winter Climates”. Cairo, Egypt. March 1-6,1992,
39. International Symposium on “Transplant Production Systems“. Yokohama, Japan. 21-26 July, 1992.
40. 2nd ISHS Symposium on “Protected Cultivation of Solanacea in Mild Winter Climates”, Adana – Turkey. April 13-16, 1993.
41. ISHS International Symposium on “New Cultivation Systems in Greenhouse”, Cagliari, Italy. 26- 30 April 1993.
42. IDDC fourth International Conference on “Desert Development, Sustainable Development for Our Common Future”, Mexico City. July 25-30, 1993.
43. “Regional consultative meeting on Greenhouse Crop Production in the Mediterranean Region.” Agadir, Morocco. 15-17 Nov., 1993.
44. “XXIV International Horticultural Congress”, Kyoto, Japan. August 21-27, 1994.
45. International Conference on "Land & Water Resources Management in the Mediterranean Region", C.I.H.E.A.M., Bari, Italy - Sept. 4-8, 1994.
46. International Symposium on “Salt Affected Lagoon Ecosystems”, International Soil Society, sub-commission of salt-affected soils, Valencia, Spain 18-25 September 1995.
47. Briefing for FAO consultancy mission on protected cultivation, FAO Head Quarter, Rome, 1995.
48. International Symposium on “Desert Development”, Texas, USA, 12-17 August 1996.
49. EU INCO DC. Steering Committee Meeting “Optimizing Marginal Resources in Intensive Horticultural Production in Southern Turkey and Northern Egypt”. Izmir, Turkey, Nov. 1996.
50. ISHS Executive Committee, Council and Joint Executive Committee - Council Meetings – Auckland, New Zealand. 20-21. Feb, 1997.
51. Workshop on the “Middle East and Mediterranean Desert Development Program for Combating Desertification through Sustainable Desert Development” San Diego, USA March 9-12, 1997.
52. INCO-DC Seminar on Greenhouse Crop Modeling, held in the Institute National de le Recherché Agronomique” (INRA), Avignon, France. From 7-10 April, 1997.
53. A scientific visit to “Instituto Valenciano de Investigaciones Agrarias” (IVIA), Valencia, Spain. From 11-14 April, 1997.

54. Consultation technical support for integrated pest and production management under greenhouses, Agadyeer, Morocco, 6-9 May 1997.
55. "Workshop on Endogenous Systems for Water Harvesting in West Asia and North Africa Region". Amman, Jordan 12-16 July 1997.
56. ISHS symposium on "Greenhouse Management for Better Yield and Quality in Mild Winter Climates". Antalya, Turkey, November 3- 5, 1997.
57. International Workshop on "Protected cultivation in the Arab Peninsula". Doha, Qatar, 15- 18 February, 1998.
58. International Congress for Horticultural Research, Italy, 17-19 June 1998
59. "XXV International Horticultural Congress" Brussels, Belgium. 1-7 August 1998.
60. "Agricultural Engineering Conference Ag Eng Oslo." Oslo, Norway. September 1998.
61. "International Horticultural Exhibition, NTV" RAI, Amsterdam, Holland. October 1998
62. Preparation meeting for Development of Water Use Efficiency in Arid Lands Cultivation, Arizona and San Diego, USA, 14-22 November 1998
63. "International Workshop for the Use of Phosphate", Amman, Jordan. 25-27 April 1999.
64. Supervising the "ICARDA training course for Protected Cultivation", Qatar. 2-5 May 1999.
65. Workshop on "The Effect of Regional Development for Eastern South Antalya in the Main Strategy of Agricultural Research", Turkey, 13-15 May 1999.
66. Steering Committee Meeting for the Arab Peninsula Regional Program, ICARDA, Oman, 16-17 June 1999.
67. "FAO Technical Consultative Meeting for Seed Policies and Programs in Near East and North Africa". Larnaca, Cyprus, 27 June - 2 July 1999.
68. Regional workshop on "The Encouragement of the Use of Agro Climatic Data in Irrigation Water Management". Arab Organization for Agricultural Development, Damascus, Syria, 11-14 July 1999.
69. Council and Board meeting of the International Society for Horticultural Sciences. Toronto, Canada, 1-4 August 1999.
70. Preparation meeting for "Desert Development for Middle East and Mediterranean Country Program", Amman, Jordan, 17-18 August 1999.
71. Sixth International Conference on The Development of Dry Lands "Desert Development; Challenges Beyond The Year 2000", Cairo, Egypt. August 22-27 1999.
72. ISHS "International Symposium for Substrates and Hydroponics", Chalkidiki, Thessaloniki, Greece, 31 August- 6 September, 1999.
73. "International Horticultural Exhibition, NTV"RAI, Amsterdam, Holland. 2-6 Nov. 1999.

74. "International Conference for the Management of Water Resources in Dry Areas." ICARDA, Amman, Jordan, 1-3 December 1999.
75. "The Third Coordinating Meeting for FAO Regional Working Group for Green House Crops in the Mediterranean Region". Katania, Italy, 16-18 December, 1999.
76. International Symposium on "Protected Cultivation in Mild Winter Climates: Current Trends for Sustainable Technologies". Cartagena, Almeria, Spain, 7-11 March 2000.
77. "The International Agricultural Exhibition", Thessaloniki, Greece. 26 Jan.- 6 Feb, 2000.
78. Regional Training Course on "The Use of Agro Climatic Data in Irrigation Water Management". Arab Organization for Agricultural Development, Damascus, Syria, 19-24 February, 2000.
79. "Project formulation Mission for the Regional Program for Desert Development", (sponsored by San Diego State University Foundation- US AID) Amman, Jordan 25-28 March 2000.
80. "First Meeting for the Interim Coordination Committee of the FAO Intergovernmental Consultative Forum on Seed in the Near East and North Africa (CFS-NENA)", Cairo Egypt, 11-14 April, 2000.
81. Steering Committee for the Regional Project of the Intensive Agriculture in Northern Egypt and Southern Turkey. Wye Collage, London University, UK 24-26 May 2000.
82. "Agriculture Engineering Conference Ag Eng 2000" Warwick, UK. 2-7 July 2000,
83. Arabian strategy Symposium for Increasing Agricultural Production and Environment Protection, Syria, 2-3 September 2000
84. Climate Change presentation organized by CHIEAM, Zaragouza, Spain, 25-29 September 2000.
85. The second Balkan symposium for Vegetable and Potato, organized by Agricultural Research Center, Thessaloniki, Greece, 11-15 October 2000
86. Invited speaker to the FAO headquarter to present a seminar on the Utilization of Information Technologies in Modern Agriculture, presentation organized by FAO, Rome, Italy, 11-13 December 2000
87. Preparation of a document for regional project on "Desert Development for Middle East and Mediterranean Countries Program" in cooperation with San Diego University, Cyprus 9-10 January 2001.
88. Study tour to visit the organic farms, Turkey, 14-22 January 2001.
89. International work shop on seed production in the near east an north Africa region, organized by FAO, Cyprus 29 March-2 April 2001.
90. Utilization of Meteorological News Data in Agriculture for Mediterranean Countries, advanced workshop organized by the C.I.H.E.A.M Institute, Zaragouza, Spain, 2-3 April 2001

91. International Soilless Culture Congress, Singapore, 28-31 May 2001
92. Supervised a group training course on using of agricultural weather stations in agricultural applications (Pulsonic) Paris, France, 19-25 June 2001.
93. Steering committee of the HORTIMED project, Pisa Italy, 20-23 September 2001.
94. Steering Committee of the ICARDA Arab Peninsula Research Program on Protected cultivation. Kuwait, 30 September- 4 October 2001.
95. Attended the International Symposium on organic agriculture. Morocco, 7-10 October 2001.
96. Attended the ISHS Board and executive committee meeting, Antalia, Turkey, 3-9 November 2001.
97. Attended the FAO regional working group meeting on Greenhouse Crop Production in The Mediterranean Region, Beirut, Lebanon, 3-7 February 2002.
98. Attended the UNEP meeting for the Assessment of Impacts and Adaptation to Climate Change,(AIACC) Project Implementers, Nairobi, Kenya 11-15 February 2002.
99. ISHS symposium on protected cultivation in mild winter climate, Ragosa, Italy, 5-8 March 2002.
100. Visited to Van Humboldt university , Berlin, Germany, as an external referee for a Ph D thesis, 10-12 April, 2002.
101. Attended the Regional workshop on Climate Changes, Alger, Algeria, 14-18 April 2002.
102. Attended the steering committee meeting of the UNEP-AIACC regional project for Climate changes, Tunis, Tunisia, 19-24 April 2002.
103. Attended the African workshop on Climate changes, AIACC-UNEP project, Johannesburg, South Africa, 10-13 March 2003.
104. Attended McFruit International Fair and workshop on: Development of the partnership in the agricultural sector between the EU Countries and the Mediterranean Partners, Italy, 8-11 May, 2003.
105. Attended the Royal Agricultural Show, London, UK, 29 June-2 July 2003.
106. Annual meeting for the EUROGAP , Madrid, Spain, 10-12 September 2003.
107. Attended the IAC workshop on the new European accessions EU25, Amsterdam, Holland, 16-18 September, 2003.
108. Attended the regional Coordinating meeting for the FAO Working Group of protected cultivation, Cyprus, 9-11 November, 2003
109. Attending the steering committee meeting of the ICARDA Arab peninsula project on water management, Aleppo, Syria, 7-9 December 2003.
110. Invited to visit Van Humboldt University, Berlin, Germany, as an external referee for a Ph D thesis, 21-25 January 2004.

111. Visited the international Agricultural exhibition SIFL, Agen, France, 5-11 March 2004.
112. Livestock Development horizons Conference, Agricultural Genetic Engineering Research Institute (AGERI), Egypt, Dec., 2007.
113. Attended the preliminary meeting of the committee of the International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Madrid, 17 December 2007.
114. Attended the official meeting of GFAR, and the annual meeting of the Consultative Group on International Agricultural Research, 26 November- 7 December 2007.
115. Attended the 7th general annual meeting of the consultative Group on International Agricultural Research (CGIAR), Beijing, 3-7 December 2007.
116. Attended the meeting of the Committee of the International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Paris, 10-11 December 2007.
117. Attended the 8th general annual meeting of the Consultative Group on International Agricultural Research (CGIAR), Rome, 27 -31 August 2007.
118. Participated in the 2nd International Forum for Agricultural Science and Technology Leaders, Beijing, 18-19 October 2007.
119. Attended workshop "Oasis Pre-Proposal Workshop" through Challenge program, Montpellier- France, 20-22/8/2007
120. Visited Syria for joint meeting with Syrian officials to identify Syrian experience in the field of "Agricultural Investment and Transforming the Traditional Irrigation Methods to Modern Irrigation Methods, 7-8 June 2008.
121. Horticulture Conference, AGERI, April. 2008.
122. The 6th Conference of the Agricultural Economics Research Institute, under the pivotal theme " The Egyptian Agriculture: Present & Future ". Egypt, April, 2008.
123. Workshop on "Problems of White Ants in Egypt ", Plant Protection Research Institute, March, 2008.
124. Conference on "Utilizing Biotechnologies in Addressing Environmental Changes", PPRI, Feb., 2008.
125. The 1st International Conference on " Healthy Food: Vision and Future Horizons ", Food Technology Research Institute, Oct., 2008.
126. The 2nd International Conference on "Fish Sustainable Development ", Central Laboratory for Aquaculture Research, Jan., 2008.
127. Symposium on Nanotechnology applications in Agriculture, CLFF, Jan., 2008.
128. Organic Agriculture Conference and Exhibition, Germany, Feb., 2008.
129. The 6th International Conference and Exhibition on Organic Agriculture, Central Laboratory of Organic Agriculture, Nasr City's Conference Complex, March, 2008.
130. Workshop on Citrus Production (Euro – Mediterranean Network, HCRI, April 2008).
131. Joint Livestock Production Conference, Animal Production Research Institute, September 2008.
132. The 5th Conference of the Arab Society for Socio-economic Agricultural Sciences, Agricultural Extension Research Institute, April 2008.

133. The 8th International Conference on The Role of Agricultural Information in Developing Agro-business in the Arab World, Bibliotheca Alexandria, April 2008.
134. The 6th International Conference in Dry land, Bibliotheca Alexandria, November 2008.
135. Conference and Exhibition titled "When President Mubarak promised and fulfilled his promise, held at the HCRI.
136. Attended the 11th conference organized by Association of Agricultural Research Institutes in Near East and North Africa (AARINENA) in collaboration with Ministry of Agriculture in Syria and General Commission For Scientific Agricultural Research (GCSAR) , 12-14/10/2008
137. Attended the meeting of the Organization of Economic Cooperation and Development (OECD), to investigate the recommendations of the organization program for the sustainable finance for the preservation of water and services sanitary, Paris, 1-2 December 2008.
138. Attended the meeting of Administrative Change Initiative – CGIAR; the headquarter of International Rice Research Institute, Los Pinos, Philippine,7-9 December 2008.
139. Visited Sudanese Agricultural Research Agency, 24-27 August 2008.
140. Attended the 3rd meeting of governance working group, CGIAR, Brussels, 12-14/7/2008.
141. Attended the 1st meeting of the scientific net in France, an invitation from Agricultural Research Center in France (INRA and CIRAD), 3 June 2008.
142. Attended the high level conference of Food and Agriculture Organization (FAO), 2-5/6/2008.
143. Attended the Mediterranean Study Day, France, 9/6/2008.
144. Attended 119th Meeting of the Board of Director of the International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Paris, 6 June 2008.
145. Attended 14th meeting of the executive council of CGIAR, Ottawa, 11-14 May 2008.
146. Visited India for enhancing the bilateral cooperation between the two countries in the field of agriculture and recognize the Indian experience in different activities related to agriculture sector, 15-17 April 2008.
147. Attended the 1st meeting of scientific committee of Food Control Agency, Abou Dhabi, 5-6 April 2008.
148. Attended "Oasis Writing Group" workshop, Bon, 12-14 March 2008.
149. Attended the special meeting for discussing the administrative change process at CGIAR, Washington, 26-27 February 2008.
150. Attended the 1st meeting of the joint Egyptian Italian working group, Rome, 20-22 January 2008.
151. Attended the 1st conference in the field of Protected cultivation; "Sustainable Strategy for Protected cultivation in Moderate Climate Area", Antalya 2008.

152. Attended the meetings of the executive committee and the board of director of the International Horticulture Association, Agadir, Morocco, 13-14 April 2008.
153. Attended the meeting organized by Arabic Center for Studding Arid and Dry Areas (ACSAD), in cooperation with German Technical Cooperation Agency (GTZ) for Developing International Climate Adaptation Strategy, 22-23 January 2008.
154. Visited Brussels, Belgium, for meeting with decision makers at European Union to discuss the conditional subsidy that applied in EU countries to prepare an agreement concerning carrying out phrasing policies project for promising rural areas in Egypt through EU subsidy 2008.
155. Member of the delegation participating in the Ministerial Preparatory Meeting of the Joint Egyptian Tunisian Higher Commission held in Tunisia, 19-25/10/2008.
156. Attended ARIMNET Meeting, Montpellier, France, 4-5 Nov. 2008.
157. Attended the coordinating committee meeting of GI@MED Project, Greece, 30 Nov. - 1 Dec. 2009.
158. Attended the 122nd Meeting of CIHEAM, Paris France, 17 - 19 Dec. 2009.
159. Attended of the 7th Meeting of Scientific Committee Abu-Dhabi. United Arab of Emirates, 6 - 7 Dec. 2009.
160. Attended of the Annual meeting of the Arabian Forum for Environment and Development, Lebanon, 19 - 20 Nov. 2009.
161. Attended the IFAD meeting, Rome, Italy, 11 - 13 Nov. 2009.
162. Attended the 120th meeting of CIHEAM Montpellier, France 21 - 24 January 2009.
163. Visited Brazil with the Egyptian delegation, 30 Sep. - 2 Oct. 2009.
164. Visited the Canadian Ministry of Agriculture and related research stations, Canada, 27 Sep. - 3 Oct. 2009.
165. Attended the AARINENA CGARD meeting, Jordan 26 - 28 Aug. 2009.
166. Attended the 42nd meeting of Board of Trustees in Malaysia, 29 June - 2 July 2009.
167. Attended the meeting of Working Group of Data and Supporting Scenarios of Climate Change Impact, Tobago- Trinidad, 26-28/2/2008.
168. Attended the meeting of ARIMNET project, France, 4-5 November 2008.
169. Attended the 120th meeting of the Board of Director of Governmental Office CIHEAM, France, 21-24 January 2009.
170. Attended the 11th meeting of the Scientific Committee of CGIAR, Lima- Peru, 27-30 March 2009.
171. Attended workshop on ABIA initiative, Akra- Ghana, 4-5 June 2009.
172. Attended the Meeting of AARINENA and CGAED to discuss the regional document, Jordan, 26 – 28 August 2009.
173. Visited the Canadian Ministry of Agriculture and its research stations, and Attended the Annual International Forum for Science and Technology, Japan, 27 September - 7 October 2009.
174. Attended the International Symposium on "Nutrition and Food Security in the World", United States of America 7 – 16 October 2009.
175. Member of the Egyptian delegation to visit Peru and Brazil, Head of delegation was The Minister of International Cooperation, 28 September - 2 October 2009.

176. Attended the Annual Conference of Arabian Forum for Environment and Development on "Impact of Climate Change in Arab Region", Lebanon, 19 – 20 November. Presented research titled "Impact of Climate Change on Food Production , 2009."
177. Attended Meeting of the 7th scientific committee, Abu Dhabi, 6 -7 December 2009. Appreciation and Honoring
178. Attended the Consultative Meeting of the Stakeholders, Accra, Ghana, 5-6 March 2009.
179. Attended The 5th Global Water Forum, Istanbul 16-22, March 2009.
180. Attended ICLARM's Board of Trustees.
181. Attended CIHEAM's Board of Trustees, Paris, 6-7 May 2009.
182. Attended ICARDA Conference on Agricultural Technologies to enhance Food Security in Arid and Dry land in the context of Climate Change, May 2nd 2009.
183. Participated in the joint conference of African Ministers of Agriculture, Adis Ababa, Ethiopia, and the preparatory meeting on 20-24 April 2009.
184. Attended the Scientific Committee Meeting of the Food Control Commission, Abu Dhabi, UAE, 9-10 May 2009.
185. Attended the 4th Conference, "Climate Change, Energy, Water, Food Security in the Arab Region", Manamah, Kingdom of Bahrain, 6-7 May 2009.
186. Attended ICARDA's Board meeting and its Introductory Day. Also attended AARINENA meeting, Syria April 30-May 3rd 2009.
187. Attended the 27th Ordinary Session at WARDA, Lumie, Togo, Sept., 2-3, 2009.
188. Attended the preparation meeting for the eighth Ministerial meeting for the International Center of Advanced Studies in Agricultural Sciences (CIHAEM), Turkey, 12 January 2010.
189. Attended the International Conference of Food Security and Climate Changes in Arid Regions, Jordan, 1 - 4 February 2010.
190. Attended the international workshop on "Fast Growing Economics' Role in Global Agricultural Research for Development, Republic of China, 8 - 10 February 2010.
191. Attended the 1st meeting of Fund council of CWANA- CGIAR, Belgium, 24-25 February 2010.
192. Attended the 44th meeting of the Worldfish board of trustees, Malaysia, 16-19 March 2010.
193. Attended the 8th meeting of Agricultural and fishery Ministers in CIHEAM member countries, Turkey, 8-10 March 2010.
194. Attended the second conference of the development of the agricultural scientific research in the Arab Organization. Tunisia. 18 June 2015
195. Attended the expert Group Meeting of the Food and Agriculture Organization (FAO) with the International Centre for Biosaline (ICBA), held on 13-16 September 2015, United Arab Emirates – Dubai.
196. Attended the workshop on the Impact of Climate Change on the Food Crisis in the Near East region: challenges and opportunities - The Regional Centre on Agrarian Reform and Rural Development for the Near East (CARDNE), held on 18-20 August 2015, Amman - Hashemite Kingdom of Jordan.
197. Attended the the 134th Meeting of The Governing Board of CIHEAM held in Barry – and A visit to “Expo Milano”, held on 24-28 June 2015, Barry, Milano – Italy.

198. Attended the expert Group Meeting On Farming Systems in Africa: Context, Key Issues, Opportunities and Strategic Policy Options organized by ECA Regional Integration and Trade Division (RITD) In conjunction with ICRAF, held on 22-24 July 2015, Nairobi – Kenya.
199. Attended the representative of Egypt before the International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM) in the 11th Meeting of CIHEAM's Member States' Ministers, held on 14-15 April 2015, Portugal.
200. Attended the expert Group Meeting on the review of a draft report on Population and Development - Publication No. (7): Overcoming the Exposure of the Population to Water Scarcity in the Arab Region, held on 31 March to 2 April 2015, Lebanon.

Lists of Inventions:

Supervision numerous programs involving inventions, those included:

- IIRI_CLAC_Grape
- IIRI_CLAC_Cantaloupe
- IIRI_CLAC_potato
- IIRI_CLAC_Green beans

In the field of fertilizers requirements based on agricultural meteorological data, these performance included:

- FERTI_CLAC_Grape
- FERTI_CLAC_Cantaloupe
- FERTI_CLAC_potato
- FERTI_CLAC_Green beans
- FERTI_CLAC_Garlic

In the field of indentifying the on farm water requirement pipe diameters suitable filters and pumps, the program is:

- CLAC_DESIGN

In the field of agricultural decision support, the program is: DSSAT which aims of forecasting the crop yield under specific agronomic practices.

In the field of Agricultural Agenda and prediction of Agricultural Date, the program aims at determining the correspondent date with the agricultural operations.

Publications:

Convener of 4 international meetings; Editor of 5 volumes of refereed conferences; Author and co-author of 6 books; Author of 8 chapter in internationally published books.; Author and co-author of 11 report and article. As for research, he wrote over 256 articles published in refereed journals and international meetings in the fields of stress physiology, greenhouse management, water use efficiency and irrigation, arid lands management, culture, organic cultivation of horticultural crops, and applications of agro climatic data for crop management, as follows:

1. **Abou-Hadid A.F.**, El-Beltagy, A.S., Smith, A.R. and Hall, M.A. 1986. "The influence of leaf position and age upon the production of stress ethylene in tomatoes." Acta Hort. (ISHS) 190:397-404
http://www.actahort.org/books/190/190_42.htm
2. **Abou-Hadid, A.F.**, El-Beltagy, A.S., Smith, A.R. and Hall, M.A. 1986. "Effect of water stress on tomato at different stages of development." Acta Hort. (ISHS) 190:405-414
http://www.actahort.org/books/190/190_43.htm
3. **Abou-Hadid, A.F.**, El-Beltagy, A.S., Smith, A.R. and Hall, M.A. 1986. "Ethylene production by leaves of various plant species in response to stress imposition." Acta Hort. (ISHS) 190:415-422
http://www.actahort.org/books/190/190_44.htm
4. **Abou-Hadid, A.F.**, Maksoud, M.A. and El-Abd, S.O. 1986. "Protected cultivation for winter production of tomato." Acta Hort. (ISHS) 191:59-66
http://www.actahort.org/books/191/191_5.htm
5. **Abou-Hadid, A. F.**, El-Beltagy and El-Saied. 1987. "Comparison of late winter tomato cultivation under open field and plastic house conditions." Egyptian Journal of Horticultural Science, Vol 14 (2) pp 113-118.
<http://agris.fao.org/agris-search/search.do?recordID=EG9201187>
6. **Abou-Hadid, A.F.** and El-Beltagy, A.S. 1987. "Comparative study on potential Evapotranspiration for different regions in Egypt under plastic house conditions." Seminaire regional sur les cultures maraichere. Fondation Internationale pour la science (FIS), 21-26 Septembre 1987. Tunis – Tunisia.
7. **Abou-Hadid, A.F.**, Burrage and El-Beltagy. 1987. "Comparison of hydroponic systems for tomato production in Egypt." Egypt. J. Hort., Sci. Vol. 14, No.2, pp. 119-127.
<http://eurekamag.com/research/007/140/007140519.php>
8. **Abou-Hadid A.F.**, El-Beltagy, A.S. and El-Saied; H.M. 1988. "Soil mixtures for tomato transplants." Egypt.J.Hort. 15, (1), 23-28.
9. Singer, S.M., El-Beltagy, M.S., Baugerod, H., **Abou-Hadid, A.F.** and El-Beltagy, A.S. 1988. "Effects of hardening of tomato plants at different low temperature." Egypt.J.Hort. 15, (1), 55-69.
<http://eurekamag.com/research/002/091/002091156.php>
10. Singer, S.M., El-Beltagy, M.S., Baugerod, H., **Abou-Hadid, A.F.** and El-Beltagy, A.S. 1988. "Effect of different chemical treatments for cold resistance and slight frost condition on tomato seedlings." Egypt.J.Hort.15, (2), 143-157.
<http://eurekamag.com/research/007/245/007245240.php>
11. El Saeid, H. M., Abou Hadid, A. F., El Beltagy, A. S. 1988. "The possibility of using ethryl to identify plants relatively tolerant to salinity. I. Tomato (*Lycopersicon esculentum*)." Egyptian Journal of Horticulture 1989; 15(1): 71-83.
<http://eurekamag.com/research/002/256/002256158.php>

12. El-Saied H. M., **Abou-Hadid A.F.** and El-Beltagy, A.S. 1988. "The possibility of using ethrel to identify plants relatively tolerant to salinity II- Cowpea (*Vigna sinensis* L.)" *Egypt.J.Hort.* 15, (2), 159-170.
13. **Abou-Hadid A.F.**, El-Beltagy, A.S. and El-Saied, H.M. 1988. "Transpiration as affected by irrigation with saline water." *Egypt.J.Hort.* 15, (2), 177-186.
<http://agris.fao.org/agris-search/search.do?recordID=EG9702684>
14. **Abou-Hadid, A.F.**, El-Saied, M.H. and El-Beltagy, A.S.1988. "Factors affecting transpiration of protected vegetables in north Nile Delta region." *Egypt.J.Hort.* 15, (1), 13-21.
<http://eurekamag.com/research/002/106/002106828.php>
15. **Abou-Hadid, A.F.**, El-Beltagy, A.S., El-Beltagy, M. S. and Singer, S. M. 1988."Protected nursery for winter tomato cultivation in Egypt." *Egypt.J.Hort.* 15, (1), 47-54.
<http://eurekamag.com/research/007/698/007698790.php>
16. **Abou-Hadid, A.F.**,El-Beltagy, A.S. and El-Saied, H.M.1988. "Potential evapotranspiration for different regions and water consumption use patterns under plastic house conditions in Egypt." *Egypt.J. Hort.* 15, (1), 1-12.
<http://eurekamag.com/research/007/673/007673614.php>
17. **Abou-Hadid, A.F.**, El-Beltagy, A.S., El-Saied, H.M. and El-Beltagy, M.S. 1988. "Evaluation of clay soil as a substrate for tomato transplant production." *Egypt.J.Hort.* 15, (1), 29-45.
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18. Singer, S.M., El-Abd, S.O., **Abou-Hadid A.F.** and El-Beltagy, A.S. 1989. "Salinity Hardiness on Tomato Seedlings and Chilling Stress." *Egypt.J.Hort.* 16, (1), 85-92.
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19. Singer S.M., El-Abd, S.O., El-Saied, H.M. and **Abou-Hadid A.F.** 1989. "Influence of Tomato Seed Coat Restraints on Germination Performance Under Sub-Optimal Temperature." *Egypt. J.Hort.* 16, (2), 127-132.
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20. El-Saeid, H. M., El-Abd, S. O., Singer, S. M., **Abou-Hadid, A. F. A.**, El-Beltagy, A. S., Hall, A. T., 1989: "Effect of AVG sts ethephon and silver nitrate on cowpea *vigna unguiculata* l. walp growth and development". *Egyptian Journal of Horticulture* 16(2): 133-142
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21. Ibrahim, A., El-Gindy, A., **Abou-Hadid, A.F.**, and A. Abdel-Ghafar. 1989. "Recirculated sand culture for tomato under protected cultivation." *Egypt. J. Hort.* 16, (2), 181-198.
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22. Zayed, A., **Abou-Hadid, A.F.**,El-Behairy, U. A. and A.S. El-Beltagy. 1989. "The use of Nutrient Film Technique for the commercial Production of greenhouse tomato in

- Egypt". (1989).Egypt.J.Hort. 16, (2), 101-110.
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23. **Abou-Hadid, A.F.**, Zayed, A.; El-Behairy, U. A. and El-Beltagy, A.S. 1989. "A comparison Between Nutrient Film Technique (NFT) and Soil for Tomato Production under Protected Cultivation." Egypt.J.Hort. 16, (2), 111-118.
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 24. **Abou-Hadid A.F.**, Sharaf, A., El-Asdoudi, A., El-Beltagy, A.S., El-Behairy, U. A. and S. W. Burrage. 1990. "The effect of continuous and intermittent flow on growth characters, chemical composition and yield of lettuce grown in NFT hydroponics." Egypt. J.Hort. 17, (2), pp. 93-101.
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 25. Sharaf, A., Asdoudi, A., **Abou-Hadid, A.F.**, El-Beltagy, A.S., El-Behairy, U. A. and Burrage, S.W. 1990. "The effect of alternating flow at different stages of the growing cycle on growth characters, chemical composition and yield of cucumber grown in NFT hydroponics." Egypt.J.Hort.17, (2), pp.103-112.
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 26. **Abou-Hadid, A.F.** 1990. "Evaporation under protected cultivation in relation to seasonal changes in climatic factors." Egypt.J.Hort.18, (1), pp.1-10.
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 31. **Abou-Hadid, A.F.**, Medany, M.A., Khalifa, H., El-Beltagy, A.S. 1991. "Response of growth and development of cucumber and sweet pepper to heating effectiveness".

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33. **Abou-Hadid, A.F.** and El-Beltagy, A. S. 1991. "Pan evaporation as affected by plastic house microclimate." Acta Hort. (ISHS) 287:35-46
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34. Medany, M.A., Khalifa, M.H., **Abou-Hadid, A.F.** and El-Beltagy, A.S. 1991. "Studies on the heat requirement of sweet pepper plants grown under plastic houses in Egypt." Acta Hort. (ISHS) 287:255-260
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35. El-Behairy, U.A., **Abou-Hadid, A.F.**, El-Beltagy, A.S. and Burrage, S.W. 1991. "Intermittent circulation for earlier tomato yield under nutrient film technique (nft)." Acta Hort. (ISHS) 287:267-272
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36. Salman, S.R., Bakry, M.O., **Abou-Hadid, A.F.** and El-Beltagy, A.S. 1991. "The effect of plastic mulch on the microclimate of plastic house." Acta Hort. (ISHS) 287:417-426
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37. Gaafer, S.A., Yousef, M.S., **Abou-Hadid, A.F.** and El-Beltagy, A.S. 1991. "Water consumption for sweet pepper plant grown under heated and non heated plastic house conditions". Acta Hort. (ISHS) 287:455-460
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41. **Abou-Hadid, A.F.**, Medany, M.A., Khalifa, H., and El-Beltagy, A. S. 1992. "Yield and income of greenhouse sweet pepper and cucumber in relation to heating effectiveness". Egypt. J. Hort. 19, (1): pp. 1-12.
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خامساً: النشرات الارشادية.

1. نباتات الاصح الورقية تحت الصوب البلاستيكية.
2. اعداد الارض للزراعة .
3. إنتاج الخضر فوق اسطح المنازل.
4. انتاج الاسماك فوق الاسطح.
5. التهوية والتبريد والتدفئة فى الصوبات البلاستيكية.
6. انتاج القرنفل تحت الصوب البلاستيكية.
7. انتاج الكنتالوب تحت الصوب البلاستيك.
8. البنية الاساسية ونظم الري فى الزراعة المحمية .
9. تسميد محاصيل الخضر تحت نظام الري بالتنقيط.
10. الدليل المصور للتعريف لاهم انواع نباتات الزينة البرية والمتداولة فى التجارة الدولية.
11. التقنيات الحديثة فى تدوير المخلفات العضوية.
12. الركائز الاساسية للبرنامج القومى لتعظيم الاستفادة من المياه فى الاراضى القديمة.
13. تكنولوجيا التطعيم فى الخضر.
14. انتاج الطماطم تحت الصوب البلاستيكية .
15. انتاج الخيار تحت الصوب البلاستيكية .
16. انتاج الفلفل تحت الصوب البلاستيكية.
17. انتاج شتلات الخضر للزراعات المحمية .
18. اشرف علي إعداد دليل بدائل بروميد الميثيل في مصر.
19. التغيرات المناخية وأثرها علي قطاع الزراعة في مصر وكيفية مواجهتها.