

# سابقة أعمال

## مركز النيل للخدمات البيئية والعلمية

مدير المركز ومسئول الاتصال

دكتور/ مختار سامي بحيرى

محمول: 0123738910

**Cairo:** Nasr City 137 Mostafa El Nahas st. tel: 02/2713560

**Damietta:** behind Stadium upper Takey El Deen mosque tel057/2273700

E-mail: [nilecenter@gawab.com](mailto:nilecenter@gawab.com)

القاهرة: مدينة نصر 137 شارع مصطفى النحاس ت 02/2713560

دمياط: خلف الاستاد أعلى مسجد تقى الدين ت 02/227300

بريد الكترونى: [nilecenter@gawab.com](mailto:nilecenter@gawab.com)

# Center Information

Company name : Nile Center for Environmental & Scientific Services

Contact name : Dr. Mokhtar Samy Beheary

E-mail address : [Beheary@hotmail.com](mailto:Beheary@hotmail.com)

Tel : 057/2273700 02/2713560 0123738910

Year of establishment : 1999

No. of employees : 12

Type of company : Egyptian

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## مركز النيل للخدمات البيئية والعلمية في سطور

مركز النيل للخدمات البيئية والعلمية تأسس سنة 1999 م بغرض تقديم الاستشارات البيئية فى المجالات المختلفة ويضم المركز نخبة من المتخصصين الدائمين بالمركز كالأستاذ الدكتور/ سيد خاطر والدكتورة/ فاطمة عادل المطرى بالإضافة الى نخبة من أساتذة الجامعات كاستشاريين لدى المركز من الخارج.

وقد قام المركز بعمل العديد من الدراسات والمشاريع على سبيل المثال لا الحصر:

- عمل دراسة للتخلص الآمن والسليم من شرش اللبن لمصنع ألبان دمياط
  - قام المركز بعمل تدريب لتطوير العديد من معامل ألبان فى محافظتى دمياط والدقهلية
  - قام المركز بتصميم والإشراف على كثير من محطات معالجة الصرف الصناعى
  - عمل دراسة للمخلفات الطبية الخطرة لمحافظة دمياط
  - عمل دراسة لرصد الدرافيل بمنطقة بورسعيد وبوغاز عزبq البرج
  - عمل دراسة للمخلفات الصلبة المنزلية وتطبيق نموذج فى القرية المصرية
  - دراسة لمخلفات المجازر الصلبq وكيفية جمعها ونقلها والتخلص السليم منها
  - عمل دراسة بيئية عن المحميات الطبيعية فى الساحل الشمالى لجمهورية مصر العربية
  - عمل دراسة للمخلفات الصلبة المنزلية بمحافظة الإسكندرية
- وقد شارك المركز فى تأهيل مصانع وشركات عديدة للحصول على الأيزو 14001 والأيزو 9001 والأيزو 18001

وقد شارك المركز فى العديد من الندوات الخاصة بالبيئة وتنمية الصناعة والعديد من المؤتمرات كما قام المركز بعقد الكثير من الدورات التدريبية فى مجال تقييم الأثر البيئى والتفتيش البيئى والوعى البيئى فى جمهورية مصر العربية وفى المملكة العربية السعودية

قام المركز بعمل أكثر من 450 دراسة تقييم أثر بيئى لمختلف الأنشطة بأنحاء جمهورية مصر العربية.

والمركز مدون بدليل جهاز شئون البيئة المصرى كأحد الهيئات العاملة فى مجال البيئة فى جمهورية مصر العربية و مسجل ضمن المراكز الاستشارية المعتمدة لتأهيل الشركات للحصول على الأيزو فى شركة تحديث الصناعة

العنوان/ دمياط – خلف الأستاذ أعلى مسجد تقى الدين 0572273700

القاهرة- 137 ش مصطفى النحاس 022713560

مدير المركز ومسئول الاتصال

دكتور/ مختار سامى بحيرى ت/ 0123738910

حاصل على/ خبير استشاري فى تقييم الأثر البيئى

بكالوريوس/ علوم البيئة

ماجستير/ الدراسات البيئية – جامعة الإسكندرية

دكتوراه/ علوم البيئة – جامعة المنصورة

## أمثلة لبعض المشاريع في محافظات مصر المختلفة والتي تم عمل دراسة توفيق أوضاع لها أو دراسة تقييم أثر بيئي:

- 1 شركة الوسام للأعلاف الحرائية- الجيزة
- 2 للشركة الدولية لتصنيع المراجل والأعمال المعدنية أبو النمرس - الجيزة
- 3 شركة دينا للاستثمارات الزراعية الكيلو80 طريق مصر - إسكندرية الصحراوي
- 4 مصبغة درة عباده شبرا الخيمة - القاهرة
- 5 مصنع أعلاف أحمد محروس غانم، شبرامنت - القاهرة
- 6 شركة الرحاب السعودية المصرية للاستثمار والتنمية العقارية للمطاحن القناة الملاحية، دمياط
- 7 مصنع خليل أبو السعود للأثاثات المعدنية والخشبية طريق سقارة - الجيزة
- 8 مغسلة سقارة للملابس الجاهزة أبو النمرس - الجيزة
- 9 شركة زمزم لصناعة الألبان دمياط الجديدة
- 10 -شركة الدمياطية لصناعة منتجات الألبان والمواد الغذائية- دمياط الجديدة
- 11 -منتج فرتللي السياحي البحر الأحمر -جنوب مرسى علم
- 12 -فندق كيمكو البحر الأحمر شركة رأس دري
- 13 -قرية فروسية (جراند سيتي ريزورت) التابعة لوزارة الداخلية الغردقة البحر الأحمر
- 14 -منتج الباشا السياحي - العين السخنة - السويس
- 15 -مصنع فتوح الحلو لصناعة ماكينات النجارة -الشعراء- دمياط
- 16 -مصنع أعلاف مصطفى مجاهد العدلية- دمياط
- 17 -مصنع أدوات كهربائية شطا- دمياط
- 18 -دراسة توفيق أوضاع مصنع مصر للالبان(مصنع دمياط)
- 19 -دراسة مصنع بشاى للصلب (مدينة السادات)
- 20 -المتحده لصناعه البطاريات(مدينة العاشر من رمضان)
- 21 - الشركة المصرية السويسرية للتانكات منطقة الزيوت ميناء دمياط

## سابقة أعمال المركز فى مجال تصميم و الاشراف على تنفيذ وحدات المعالجة

1. تم تصميم و الاشراف على تنفيذ و كذلك تدبير التمويل من منحة كندية من صندوق مبادرات البيئة المصرى الكندى وحدة معالجة لمياه الصرف لمصنع الهلب للمبيدات بالمنطقة الصناعية بدمياط الجديدة.
2. تم تصميم و الاشراف على تنفيذ وحدة معالجة مياه الصرف الناتجة من مجزر أبوشامه للدواجن باولاد حمام دمياط و كذلك مجزر الفيومى للدواجن بشطا بمحافظة دمياط و يتم حاليا الاستفادة من المياه المعالجة لتربية الأسماك.
3. تصميم و الاشراف على وحدة المعالجة لشركة موبكو للاسمده بالمنطقة الحرة العامة بدمياط الجديدة و اجراء تحاليل دورية كل 3 شهور طبقا لقانون البيئة المصرى رقم 4 لسنة 1994 و لائحته التنفيذية و المعدل بالقانون رقم 9 لسنة 2009 و كافة تعليمات جهاز البيئة و وزارة الدولة للبيئة.
4. تم تصميم و الاشراف على تنفيذ نموذج لوحدة معالجة لمصانع الصباغة و التجهيز بالمحلة الكبرى بجمهورية مصر العربية و تم تعميمها على حوالى 7 مصانع .
5. تم وضع البدائل لوحدة المعالجة لمصانع انتاج الاجبان بدلا من تكلفة وحده معالجة تصل الى حوالى مليون جنيه مصرى و اكثر و تم اعداد منظومة من خلال برنامج دعم التقييم و الادارة البيئية ( سيم ) الممول من الحكومة الانجليزية بالتنسيق مع جهاز شئون البيئة المصرى و وزارة الدولة لشئون البيئة و من خلال خطة الانتاج الانظف تم تنفيذ منظومة اعادة استخدام الشرش الحلو الناتج من

تصنيع الجبن الرومى فى صناعة العيش الكيزر و المخبوزات و كانت النتائج مذهله خاصة فى انتاج الفطيرة المدرسية لطلاب المدارس حيث ان اضافة شرش اللبن الحلو بدلا من المياه تعطى فائدة اقتصادية عالية زيادة 5 % فى الانتاج بالاضافة الى رفع القيمة الغذائية للمنتج و زيادة القدرة الذهنية للاطفال فى السنين العمرية الاولى و ايضا اعداد و تنفيذ منظومة اعادة استخدام الشرش الحادق فى تصنيع البيتزا و المخبوزات الحادقة و تم تنفيذ التجربة بنجاح بنقل الشرش المبرد و المبستر من مصنع البان دمياط و المنصورة و كذلك مصنع حلايب قتيلو بدمياط و المنطقة الصناعية بدمياط الجديدة و كذلك مصنع الشركة الدمياطية لانتاج الاجبان بالمنطقة الصناعية بدمياط الجديدة و تصميم وحدات انتاج بالمصانع عالية لانتاج المخبوزات الحلو و الحادق و الكيزر و بسكويات المدارس و معظم الحلويات و العجائن و ايضا بيع الفائض منها لمصانع الحلويات الدمياطية ( مثل خالد للحلويات – فشور للحلويات – البدرى – ركن النيل للحلويات ..... الخ )

6. تم تصميم و الاشراف على تنفيذ وحدة معالجة لاحد المصانع الكبرى للصبغة و التجهيز و الطباعة للملابس و ذلك بالمنطقة الصناعية بالاسماعيلية بجمهورية مصر العربية.

7. تصميم و الاشراف على وحدة المعالجة لشركة الندى للعصائر بالمنطقة الصناعية بدمياط الجديدة.

8. تصميم و الاشراف على وحدة المعالجة لشركة كوين للدهانات بالمنطقة الصناعية بدمياط الجديدة.

9. تصميم و الاشراف على تنفيذ و كذلك تدبير التمويل لوحدة معالجة لمياه الصرف لمصنع العالمية للزيوت بالمنطقة الصناعية بدمياط الجديدة.

10. تم تصميم و الإشراف على تنفيذ و كذلك تدبير التمويل لوحة معالجة لمياه الصرف لمصنع بور سلين للأدوات الصحية بالمنطقة الصناعية بدمياط الجديدة.

11. تم تصميم و الإشراف على تنفيذ و كذلك تدبير التمويل لوحة معالجة لمياه الصرف لشركه دمياط لتداول الحاويات بميناء دمياط.

### شارك المركز فى تأهيل مصانع وشركات عديدة للحصول على الأيزو 14001 والأيزو 9001 و18001 ومنها

1. الشركة الدولية للخدمات الجمركية والملاحية

2. الاسبانية للأثاث

3. حلايب لمنتجات الألبان

4. الدمياطية للصناعات الغذائية

5. حلويات الجمل

6. حلويات الميساوى

7. الدمياطية للصناعات الغذائية

8. شركة فيفا

### أمثلة لبعض المشاريع فى محافظات مصر المختلفة والتي تم عمل قياسات بيئية لها أو سجل بيئى:

1. شركة الهلب للمبيدات

2. الشركة المصرية الكندية

3. شركة بور سعيد للبلاستيك

4. المصرية الصينية لشبكات الجهد الفائق
5. مصنع الغزل والنسيج بدمياط
6. مطابع السقعان بالمنصورة
7. مصانع عقل للسيارات بالمنصورة
8. شركة NTN للانارة بالعبور
9. الشركة المصرية الالمانية لصناعة المراتب والمفروشات(مصنع دريم ستار)
10. الشركة المصرية لإنتاج المستلزمات الزراعية الحديثة " زمزم"
11. شركات دينا للاستثمارات الزراعية
12. شركة مارينا للسقالات والروافع
13. مصنع حلويات البدرى بدمياط
14. شركة جلوبال للرخام بالقاهرة
15. شركة مصر ألمانيا(M G)
16. الشركة السويسرية المصرية للتانكات بميناء دمياط والاسكندرية
17. هيئة ميناء دمياط
18. شركة جيسكو للبتروك
19. مصنع العالميه لتكرير الزيوت
20. شركة الترا لتكرير مياه الصرف الصناعي
21. الأهرام للدواجن
22. الشركة المصرية الخارجية للبتروك

23. شركة دلتا الجديدة للبلاستيك بطنطا
24. الشركة المصرية الهولندية للمواسير
25. شركة سوهاج للأغذية
26. شركة افكو للبترول بالمعادى والقطامية
27. الشركة البحرية للشحن والتفريغ
28. شركة سانتامورا بالعاشر
29. المصرية اليابانية لتصنيع مهمات الحفر بالعين السخنة
30. مصر للزيوت والصابون
31. مجموعة شركات الصفوة للدواجن (كوكو) بالمنصورة
32. مصنع الفريد لحلج وتجارة الأقطان ببني سويف
33. شركة نابسكو للبترول

## Nile Centre in brief :

Nile Centre for Environmental & Scientific Services has been established in 1999, to offer environmental consultations in several fields which include a professional selection of permanent assigned team work, high university staff as Dr. Sayed Khater, Dr. Fatma Elmatary and Dr Osman eita. In addition , highly qualified staff from abroad .

### The centre made several studies and projects , for example :

- Making a study about removing milk whey safely for Damietta Dairy production Factory.
- The Training Center make the development and training of many of the dairy factors in the provinces of Dakahlia, Damietta.
- Making a survey to account dolphins in Port Said shore , and Izbit AlBurg .
- Making a study for in doors' solid contaminations and applying a country side pattern on .
- Studying solid contaminations of butchery And the ways of collecting , transferring, and removing them away.
- Making a study for risky and hazardous medical contaminations , Damietta .
- Making an environmental study regarding the natural protectorates on the north cost of A.R.E
- Making a study about the domestic solid contaminations in Alexandria .
- The centre participated in preparing such factories to be qualified to achieve ISO 14001 , in addition , participated at many sessions in concern with environment , developing industry , and at several conferences .
- 450 ( four hundred ) studies have been done by the centre to estimate and prop the industrial activities and their side effects on environment throughout Egypt.
- Egypt for dairy (Damitta factory)
- Beshay steel group (sadat city)

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- United group for batteries (10<sup>th</sup> Ramadan city)

The above mentioned centre is authorized by the Egyptian environment authority .

**Address :** On Takey AlDien Mousque – behind the Stadium , Damietta

Tel: 057-2273700 .

137 , Mostafa elNahas , Cairo , 02- 2713560 .

The centre Manager & Coordinator : **Dr. Mokhtar Samy Beheary** .

Mobile No : 012-3738910

Consultant in evaluating the environmental affects .

Bachelor of environment sciences

Master degree in the environmental studies , Alexandria University .

Doctorate in environment sciences , Mansoura University .

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# CURRICLUMVITAE

**NAME:** Mokhtar Samy Beheary.

**Religion** : Islam

**DATE OF BIRTH:** 30<sup>th</sup> September 1973

**PLACE OF BIRTH:** Damietta, Egypt.

**NATIONALITY:** Egyptian.

**MARITAL STATUS:** Married, Two Children (girls)

**MILITARY SERVICE:** Exempted

**ADDRESS:** Abdel Azim Wazir St., Damietta, Egypt.

**TELEPHONE:**

**: Home** : ++(202) 2273700,

**Mobile:** ++(2012) 3738910

**Fax** : ++(202) 2273700

**E-mail address** : [beheary@hotmail.com](mailto:beheary@hotmail.com) / [mokhtarbeheary@yahoo.com/](mailto:mokhtarbeheary@yahoo.com/)  
[beheary@nile-center.com/](mailto:beheary@nile-center.com/)

**Web Site** : [www.nile-center.com](http://www.nile-center.com)

**WORK ADDRESS:** Nile Centre for Environmental and Science Services, p.o.Box 40, Damietta, Egypt.

## ACADEMIC DEGREE:

**1<sup>st</sup> Degree:** B.Sc In Environmental Sciences, Faculty of Sciences. Mansoura University, Egypt. \*1995

**2<sup>nd</sup> Degree:** M.Sc In Environmental studies, Institute of Graduate Studies and



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بريد الكونى: [nilecenter@gawab.com](mailto:nilecenter@gawab.com)

**Research Alexandria University, Alexandria, Egypt. Thesis title:  
Environmental and Health Studies on Composting. Case Study: Damietta  
Compost Plant" \* 2000**

**3<sup>rd</sup> Degree: Ph.D. In Environmental Studies and Management of Ashtum El-  
gamil Protectorate in The Mediterranean Coast of Egypt. Fac. of Science.  
Mansoura University \* 2004**

#### **LANGUAG AND DEGREE OF PROFICIENCY:**

**Arabic: Native**

**English: Very good**

**French: pass**

#### **TRAINING COURSES AND CONFERENCES:**

**\*1989:Introduction to computer, Damietta Computer Center, Ministry of  
Education, Egypt (July- August 1989).**

**\*1992: Disk Operating System, Damietta Computer Center, Ministry of  
Education, Egypt (September- October 1989).**

**\*1992: Basic Language (level 2), Damietta Computer Center, Ministry of  
Education, Egypt (October-November1992).**

**\*1996: Annual conference of Egyptian Society of Medicine and Law, titled'  
Citizen right in good nutrition as basic in human development'" Alexandria,  
Egypt (3-5 December 1996).**

**\*1997: A meeting on solid waste management in Dakhlia governorate,**

**Mansoura, Egypt (9<sup>-Th</sup> December 1996).**

**\*1998: Annual conference of Egyptian Society of Medicine and Law, titled " Slum areas" Alexandria, Egypt (24-26<sup>-Th</sup> March 1998).**

**\*1998: A meeting on Environmental modulation for industrial facilities, Mansoura, Egypt (27<sup>-Th</sup> December 1998).**

**\*1999: International conference on environmental management, health and sustainable development. Alexandria, Egypt (22-25<sup>-Th</sup> March 1999).**

**\*1998: Annual conference of Egyptian Society of Medicine and Law, titled "The future of health care in Egypt" Alexandria, Egypt (13-15<sup>-Th</sup> April 1999).**

## **PUBLICATIONS:**

- 1- Beheary MS (2000). Environmental and health studies on composting, case study: Damietta Compost plant. M.Sc. Thesis, Institute of Graduate Studies and Research, Alexandria University, Egypt.**
- 2- Khalil Al, Beheary MS and Salem EM(1999). Changes in microbial populations and their enzymatic activities during the composting of municipal solid wastes: a comparative study .International Conference on Environmental Management, Health and Sustainable Development, Alexandria, Egypt, 22-25March 1999.**
- 3- Beheary Ms, Khalil Al and Salem EM(2000). Microbiological and chemical seasonally changes in composting of municipal solid wastes.**

- 4- Beheary Ms, Khalil Al and Salem EM (2000). Health hazards of composting of municipal wastes. .
- 5- Beheary MS (2004). PhD In Environmental Studies and Management of Ashtum El-gamil Protectorate in The Mediterranean Coast of Egypt. Fac. of Science. Mansoura University
- 6- Beheary MS (2000). PhD Municipal Solid Wastes in Damietta Governorate ( problem and solution ). The 8<sup>Th</sup> Annual conference " The citizen right to be in healthy environment" Alexandria, Egypt 20-23 June (2000)
- 7- Beheary MS, Serag MS and Khedr AA (2000). Habitats and Plant Diversity in Ashtum El-gamil Protectorate. The second Environmental Conference in Damietta. Fac. of Science. Mansoura University 11-12 November (2001)
- 8- Beheary MS (2005). Ending Pollution in A.R.E. Mubarak,s Competition for peace and Development published in Asian and African Authors Organization. 21- 23<sup>Th</sup> September in Shephered in Cairo.

## **MEMBERSHIP:**

- Member ship in Library of American Center, Alexandria, Egypt.
- Member in Environmental Friendship Organization in Alexandria.
- Member in Computer and Environmental Services Organization Cooperation in Cairo and Damietta.

**-Member in Cultural Development and Environmental awareness in Damietta, Egypt.**

**- Member in Egyptian Society of Medicine and Law, Alexandria, Egypt.**

**EXPERIENCES AND FIELDS OF RESEARCH INTEREST:**

- 1- Environmental Management**
- 2- Environmental impact, assessment**
- 3- Environmental health hazards.**
- 4- Solid wastes management.**
- 5- Chromatography technique.**
- 6- Biological treatment of organic wastes.**
- 7- Separation and determination of microbial enzymes.**
- 8- Microbial fermentation .**
- 9- Determination of pathogenic microorganisms, Salmonella, fecal coliform, fecal streptococci and parasites.**

**Also I have an excellent experience in many laboratories experiments such as pH determination, salinity, dissolved oxygen, dissolved solids, acidity, alkalinity, hardness, conductivity, total solids, total volatile solids, total suspended solids, settleable solids, biochemical oxygen demand, Kjeldahl nitrogen (ammonia nitrogen and organic nitrogen), nitrite, nitrate, chlorine residues, total phosphorous, potassium, turbidity, Jar test, sulphate, sulfide, total organic carbon and others.**

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## **COMPUTER SOFTWARE:**

**I have an excellent experience in various computer software such as BASIC, DOS, EXCELL AND WORD for WINDOWS.**

## **FIELD EXPERIENCE:**

- \*1-15 July 1994: Central Laboratory, Faculty of Science, Damietta, Egypt.**
- \* 30 July-4 August 1994: Ras EL- Bar sewage treatment plant. Damietta, Egypt.**
- \*15-21 August 1994: Cooperation Laboratory. Damietta. Egypt.**
- \*1-7 September 1994: Drinking water plant. Damietta, Egypt.**
- \* 9-14 September 1994: Drinking water plant – AL-Bustan. Damietta . Egypt.**
- \*16-21 September 1994: Electrical power station. Kafer EL-Batehkh. Damietta, Egypt.**
- \* 23-28 September 1994: Fertilizer factory. Talkha. Dakhlia. Egypt.**

## **MANAGEMENT PROJECTS:**

- Full Environmental impact assessment for 19 projects.**
- Environmental impact assessment for 280 furniture plant in Damietta Governorate**
- Environmental impact assessment for 9 sweets plant .**
- Environmental impact assessment for 18 Marble plant.**
- Environmental impact assessment for 6 plastics plant .**
- Environmental impact assessment for 89 fish farm .**
- Environmental impact assessment for 15 chickens farm and many EIA for others projects.**

## WORK CAREER:

- Environmental Consultant from January 1996 till March 2003, Damietta Scientific Syndicate
- Environmental Researcher from November 2003 till April 2004, Red Sea Protected Areas, Ministry of State for Environmental Affairs
- Environmental Manager and Consultant from April 1989 till April 1994 in Damietta Company of the Scientific & Environmental Services from January 1998 till June 2001.
- Also, I worked as a Lecturer in Saudi Arabia Kingdom in the General Presidency of Meteorology and Environment (PME) from September 2007 till December 2007 to teach 3 courses in the Environmental Impact assessment, environmental inspection and Environmental Self Monitoring.
- General Manager and Owner of "Nile Center for Environmental & Scientific Services, from 2001 till Now.

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## CURRICULUM VIATE, DR OSMAN AITA

Dr. Osman Aita »

*Food Consultant*

### Contact Information »

College of Agriculture, Ain Shams  
University  
P. O. Box 68 Hadayek Shobra 11241,  
Cairo, Egypt  
+ 2010 166 Phone:



### Personal Information

14 Jan, 1961 - Damietta

Birth Date & Place:

Married

Marital Status:

Egyptian

Nationality:

Egypt - Cairo

Resident of:

### Work Experience & Qualification

INSPECTORATE

2004 - 2005

Egypt

### EMS, HACCP, QMS Food Consultant

Responsibilities:

Project Manager, Trainer and Auditor of:

1-Food Safety Management (HACCP).

2-Environmental Management system (ISO 14001).

3-Quality Management system (ISO 9000).

SYSTEMS & TOTAL QUALITY "TOTAL"

1999 - 2001

Egypt

### Quality & Food Safety Consultant

Responsibilities:

Project Manager, Trainer and Auditor of:

1-Food Safety Management (HACCP).

2-Environmental Management system (ISO 14001).

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3-Quality Management System (ISO 9000).

QUALITY MANAGEMENT INSTITUTE " QMI"

2000

Cairo, Egypt

QMS Lead Auditor Training Course, a course accredited by the ANSI-  
RAB National Accreditation  
Program for the training of IATCA QMS auditors.  
Degree: QMS Lead Auditor

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## CURRICULUM VITAE



### 1. PERSONAL DATA:

**Name** : *El-Sayed Mohamed Helmy Khater*

**Date of Birth** : 1/5/1949

**Religion** : Islam

**Nationality** : Egyptian

**Marital Status:** Married, Three Children (Two girls and One boy)

**Occupation** : Professor of Chemical Engineering

**Address** : *Home:* 20 Mohamed Tawfeek Wahba Street, Nasr City, Cairo, EGYPT.

*Work:* Chemical Engineering and Pilot Plant Department, National Research Center, Dokki, Cairo, EGYPT.

**Telephone** : *Home:* ++(202) 671-1842,

*Mobile:* ++(2012) 2159878

*Fax* : ++(202) 671-5259

**E-mail address** : [emhkhater@hotmail.com](mailto:emhkhater@hotmail.com) / [emhkhater@yahoo.com](mailto:emhkhater@yahoo.com) / [emhkhater@gmail.com](mailto:emhkhater@gmail.com)

### 2. QUALIFICATIONS:

• **1<sup>st</sup> Degree:** B.Sc. Chemical Engineering, July, 1972 with a rate of appreciation of **VERY**

**GOOD**, Chemical Engineering Department, Faculty of Engineering, Cairo

University, EGYPT.

• **2<sup>nd</sup> Degree:** M.Sc. Chemical Engineering, February, 1977, Chemical Engineering Department, Faculty of Engineering, Alexandria University, EGYPT.

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• **3<sup>rd</sup> Degree:** Ph.D. Chemical Engineering, June, 1982, School of Chemical Engineering,  
Bath University, England, UNITED KINGDOM.

### ***3. WORK CAREER:***

- Research Assistant from January 1973 till April 1977, Chemical Engineering and Pilot Plant Department, NRC.
- Lecturer Assistant from May 1977 till October 1982, NRC (In September 1977 I was granted a paid leave to study for the Ph.D. Degree).
- Researcher from November 1982 till April 1989, NRC.
- Assistant Professor from April 1989 till April 1994, NRC.
- Professor of Chemical Engineering from April 1994 till Now, NRC.
- Water Treatment Consultant, **W.S.DIA EGYPT**, from October 1982 till December 1984 (Part Time).
- Head of Water and Wastewater Treatment Department, **GARNO MISR** for Contracting and Trade from January 1986 till June 1988 (Part Time).
- In August 1988 I was granted an unpaid leave to work as an Assistant Professor at the Department of Chemical Engineering, Faculty of Engineering, El-Basra University, Republic of Iraq. In June 1990, I returned back to the NRC.
- Environmental Consultant to **ARABO AQUA TREATMENT** from October 1995 till May 1996 (Part Time).
- In May 1996 I was granted an unpaid leave to work as a **Senior Environmental Engineer, ECEP/EP3** from May first 1996 till end of February 1997 (ECEP/EP3 is a USAID financed project).
- **Follow-Up and Monitoring Manager, ECEP/EP3** from March 1997 till end of August 1998.

As a team member, the scope of the work is to participate in:

1. Developing the criteria to select candidate plants for screening and assessment.
2. Screening visits and evaluation of the industrial plants.
3. Ranking and final selection of plants candidate for PPDA.

4. P2 pre-assessments activities (site visits, data collection, data manipulation, and data presentation).

5. Provided quality assurance/control (QA/QC) and reviewing the pre-assessment activities and reports developed by other agencies.

6. P2 assessment activities (data analysis, options generation, technical and economical evaluation of the options).

7. Following-up activities including base-line determination and monitoring in the implementation phase of P2 options.

8. Developing techno-economic feasibility studies and specification for P2 equipment purchased by ECEP/EP3.

9. Develop and present case studies and related technical materials used in workshops, seminars and other interactive training activities.

10. Undertake any assignment as directed by EP3/Egypt's Program Director.

During the work about 32 plants were assists in the Main Stream Environmental Initiative, 20 plants were assists in the 10<sup>th</sup> of Ramadan Environmental Initiative, and 22 plants were assists in the Alexandria Environmental Initiative. About one hundred options from the PPDA's were implemented. About ten case studies were developed. In Alexandria Environmental Initiative, about one hundred plants were screened.

- Since December first, 1998 I was granted unpaid leave to work as "**Environmental Affairs Manager**" at the Project Management Unit, Federation of Egyptian Industry (**FEI**).

- In March 1999 I took the responsibility of being "**Training Manager**" at the same place.

As a Manager the main scope of the Job is:

1- Participate in policy making concerning the Environmental Issues specially those related to FEI members from the Industrial Facilities.

2- Managing the whole Environmental Activities in the Technical Department.

3- Participating in Committee's specially those discussing the Environmental issues as an FEI representative.

4- Participating in the signing of some protocols with Donors Countries like DANIDA and other local organization in order to present a suitable Environmental help to FEI

members.

5-Preparation and Participation in an Environmental Awareness Program for FEI members to get knowledge about how to comply with the Egyptian Environmental Laws.

- I am the team leader for an Environmental Program in the field of Cleaner Technology Financed by DANIDA and Implemented by Federation of the Egyptian Industries.

- Since October 2000 I took the responsibility of being Project Manager for the Bridging Project for Achieving Compliance with Environmental Laws in Industry. The project is financed by DANIDA and Implemented by FEI.

- Since September 2001, I took the responsibility of supervising and managing the Environmental Compliance Office, and the DANIDA ESPS/ACI component Implemented by FEI. The responsibility include the following:

- 1- Selecting the Sectors Coordinators as well as the Industrial Sectors The component is going to work with.
- 2- Communication with the industrial chambers concerning the industrial activities.
- 3- Putting the work plan for the component activities.
- 4- Putting the detailed budget for the component.
- 5- Selecting the local consultant (Individuals and companies) whom are going to prepare the Pre-assessments and Assessments for industry in the field of Cleaner Production.
- 6-Communicating with Industrial Enterprises to introduce our programme.
- 7-All the administration activities concerned with the component.

- As of 31 March 2003 I left the DANIDA/FEI Component back to the NRC as a full Prof. Of Chemical and Environmental Engineering.

- From May 2003 till March 2005 I joined the "Support Environmental and Assessment management" (SEAM) Programme located at Egyptian environmental Affairs Agency (EEAA) for full time contract as a Cleaner Production Expert and Consultant. The main role is:

1. Identifying the demonstration Project for the MSME,s located in

three Governorates: Qena, Sohag, and Damietta.

2. Auditing several industrial estates to identify opportunity for CP implementation.

3. Auditing the identified enterprises for CP options.

4. Writing case studies and what is called Project Concept Notes (PCN).

5. Holding workshops in the field of CP.

6. Coordinating with other donors projects.

7. Coordinating with SEAM regional Managers concerning several activities among them Solid Waste Management at Governorates, Community Projects, etc....

● Cleaner Production Consultant: working as a free consultant for several Donors projects working in the field of CP with Industry as:

1. DANIDA/ACI: Pre-Assessment for Alameen Foundry.

2. DANIDA/ACI: Pre-Assessment for Hassan Zaki for Chemicals and Plastics.

3. DANIDA/ACI: Pre-Assessment for Arabic Company for Plastic Recycling.

4. DANIDA/ACI: Pre-Assessment for Chloride Egypt.

5. DANIDA/ACI: Pre-Assessment for Magi Foods.

6. DANIDA/ACI: Full-Assessment and Implementation for Chloride Egypt.

7. DANIDA/ACI: Full-Assessment and Implementation for RadiaTex.

● Team Leader in a Joint work under the name “Baseline Survey for Improvement Guidance of Production Process”. The work is conducted by EcoConServ Consulting Office for JICA, June – September, 2006.

#### **4. TEACHING CAREER:**

- Demonstrating in the Department of Chemical Engineering, Faculty of Engineering, Cairo University in the academic year 1977/1978 (Part Time).
- Demonstrating in the School of Chemical Engineering, Bath University, England, UK for the 1<sup>st</sup> year students in the academic years 1979/1980, 1980/1981, 1981/1982.
- Teaching course on " Industrial Chemistry " for the preparatory year students, Faculty of Engineering, Mansoura University, in the academic year 1982/1983.
- Lecturing at " Water Desalination " training courses (April 1984, 1985, 1986, 1988, 1991, 1992, 1993, and 1995) and at " Basic Design of Municipal and Wastewater Treatment Processes " training course (April-May 1985, 1987) held at the National Research Center.
- Teaching courses on "Process Heat Transfer" for 3<sup>rd</sup> year students, "Mathematics" for 1<sup>st</sup> year students, "Unit Operation Lab" for 4<sup>th</sup> year students, and "Heat Transfer Lab" for 3<sup>rd</sup> year students, at the Chemical Engineering Department, Faculty of Engineering, El-Basra University, Republic of Iraq in the academic years 1988/1989 and 1989/1990.
- Teaching courses on "Computer Application in Chemical Engineering" & "Organic Technology" for the 4<sup>th</sup> year students, Chemical Engineering Department, Faculty of Engineering and Technology, Minia University in the academic years 1990/1991, 1991/1992, and 1992/1993.
- Teaching courses on "Industrial Chemistry", "Chemistry Lab", "Process Heat Transfer", "Fluid Mechanics", "Corrosion, Part I&II", "Unit Operation, Part I&II", "Computer Application in Chemical Engineering", "Selection of Material of Construction" at the Higher Technological Institute, 10<sup>th</sup> of Ramadan City, in the academic years 1992/1993, 1993/1994, 1994/1995, and 1995/1996.
- Teaching on a training course "Management of Energy Conservation and Utilization" held at the Egyptian Society of Chemical Engineering, 11-14 December 1994.

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- Teaching on a training course "Evaluation of the effect of water pollution and methods of treatment" held at the Arabic Institute for Advanced Technology (**AIAT**), **Arabic Authority for Industrialization**, March 24, till April 4, 1996.
- Teaching on training course "Desalination Technology, Basic Course" held at the Arabic Institute for Advanced Technology (**AIAT**), **Arabic Authority for Industrialization**, April 4, till April 18, 1996.
- Teaching on a training course "Basic water treatment technology for industrial uses" held at the Arabic Institute for Advanced Technology (**AIAT**), **Arabic Authority for Industrialization**, May 26, till June 6, 1996.
- Lecturing at a training course on "**Pollution Prevention Concepts & Applications**" Conducted and Sponsored by ECEP/EP3, 23-24 March 1997, Alexandria.
- Lecturing at a training course on "**Pollution Prevention Concepts & Applications**" Conducted and Sponsored by ECEP/EP3, 26-27 March 1997, Cairo.
- Lecturing at a training course on "**Pollution Prevention Monitoring & Implementation in the Textile Industry**" Conducted and Sponsored by ECEP/EP3, May 14-15, 1997, El-Salaam Hotel, Cairo.
- Lecturing at a training course on "**Pollution Prevention in the Textile Industry**" Conducted and Sponsored by ECEP/EP3, May 18-19, 1997, Alexandria.
- Lecturing at a training course on "**Pollution Prevention in the Textile Industry**" Conducted and Sponsored by ECEP/EP3, May 21-22, 1997, Cairo.
- Lecturing at a training course on "**Pollution in the Chemical Industry**" Conducted and Sponsored by ECEP/EP3, June 19-20, 1997, Alexandria.
- Lecturing at a training course on "**Pollution Prevention in the Chemical Industry**" Conducted and Sponsored by ECEP/EP3, June 22-23, 1997, Cairo.
- Teaching on a training course "Industrial Wastewater Treatment" held at the Egyptian Society of Mechanical Engineering, 3-7 May 1998.
- Teaching on a training course "Rehabilitation of Industrial Leaders to cope with the Environment Protection Laws". The course is organized by The Ministry of Industry and Mineral Resources with the Egyptian Environmental Affairs Agency, August, 3-4, 1998.

●Lecturing on a training course "Environmental Inspection and Protection". The course was organized and sponsored by PETROSAFE Co. and EAAA, September, 20-24, 1998.

●Lecturing at The Environmental Institute, Ain Shams University, for M.Sc. and PhD postgraduate student course on CP and P2.

●Lecturing at TIMS for postgraduate students courses on CP and P2 and on Environmental Regulations.

●Lecturing at a training course (Solo Lecturer) "Industrial Inspection". The course is organized by the National Consulting Bureau and held at the country of Kuwait. August 2002.

●Lecturing at a training course (Solo Lecturer) "Environmental Inspection". The course is organized by the National Consulting Bureau and held in EGYPT. June 2003.

●Lecturing at Postgraduate coarse (Solo Lecturer) on "Cleaner Production". The coarse is organized and held at the AUC, March – May, 2005.

●Lecturing at Postgraduate coarse (Solo Lecturer) on "Cleaner Production". The coarse is organized and held at the AUC, February – May, 2006.

●Lecturing at Postgraduate coarse (Solo Lecturer) on "Environmental Management Systems". The coarse is organized and held at the Institute of Environmental Research and Studies, Ain Shams University , March – May, 2005.

●Lecturing at Postgraduate coarse (Solo Lecturer) on "Environmental Management Systems". The coarse is organized and held at the Institute of Environmental Research and Studies, Ain Shams University , March – May, 2006.

●Lecturing at Postgraduate coarse (Solo Lecturer) on "EIA, EA, EMS". The coarse is organized and held at TIMS, Feb, 2004- June 2005.

●Lecturing at Postgraduate coarse (Solo Lecturer) on "Water, Properties, Uses and Treatment". The course is organized and held at TIMS, October, 2005- Feb 2006.

## ***5. RESEARCH CAREER:***

### ***5.1. Finished Projects:***

- Distillation of some organic fuels, used for military purposes, to remove formed

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oxides during storage and also to remove waxy materials.

- Surveying the consumption of laboratory chemicals in the Egyptian Universities, Research Institutes and some Selected Industries.

- Surveying the quantity and quality of the consumed and produced basic chemicals in the Egyptian chemical, petroleum and petrochemical industries, both for public and private sectors (Phase I, II, & III).

- Production of zinc sulfate from some local industrial zinc wastes.

- Development of the Sodium p-Toluene Sulphonic Acid production process from batch to continuous process.

- Gasification of some agriculture waste, e.g. rice husk, etc.

- Scale formation and treatment in some industrial water systems, e.g. steam boilers, cooling towers, etc.

- Development of sand-lime brick production process.

- Production of new materials used as anti caking materials.

- Industrial wastewater treatment at Kaha Canned Food Co. for the purpose of reusing it again

- Design of industrial wastewater treatment unit for Misr Sabaghi El-Bida Spinning and Weaving Co.

- Bridging project for Achieving Compliance with Environmental Laws in Egyptian Industries.

### ***5.2. Projects in Progress:***

- Solid Waste Management.

- Member of Clean Development Mechanism (CDM) Financed by the World Bank and Implemented by Tibbin Institute of Metallurgical Studies (TIMS).

- Member of the Steering Committee of the Complete Solid Waste Management at 6<sup>th</sup> of October City, EEAA.

## ***6. SUPERVISION OF THESIS:***

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### **6.1. Finished Thesis:**

- Effect of some organic compound additives on the physical properties of gypsum panels (M.Sc.).

- Bench scale investigation for starch wastewater treatment (M.Sc.).

### **6.2. Thesis's in Progress:**

- Chemical reaction fouling in a tubular furnace (M.Sc.).

- Intensification of biological treatment process for industrial wastewater (M.Sc.).

- The effect of TQM application on Environmentally Friendly Products Quality.(M.Sc.)

- Recovery of Heavy Metals from Electroplating Baths Wastewater (M.Sc.).

- Several M.Sc. in the field of EMS related to Industry.

### **7. TRAINING COURSES ATTENDED:**

- "Application of microorganisms and biochemical sciences on the design and operation of water treatment systems", National Research Center, December 24, 1983 to January 4, 1984.

- "First workshop on desert development: an overview", The American University, Cairo, April 6-10, 1986.

- "Marketing of research and development and consulting services", training course given by SRI International, National Research Center, June 22-26, 1986.

- "Management of energy resources and energy savings", ILO center, Turin, Italy, September 14 to November 21, 1987.

- "Condensed course on energy saving and management", held by Wisconsin Madecone University, USA and the Organization of Energy Planning, Cairo, June 25-30, 1988.

- "Pollution Prevention Concepts & Application", Conducted by Energy Conservation & Environment Project (ECEP) & Environmental Pollution Prevention Project (EP3), March 5-6, 1996.

- "ISO 14000 and Environmental Management System (EMS)", Conducted by

Energy Conservation & Environment Project (ECEP) & Environmental Pollution Prevention Project (EP3), Pyramisa Hotel, Cairo, October 12-13, 1996.

- "EARA Accredited Advanced Environmental Management Systems Auditor (UK) course for Quality and Environmental Personnel", El-Fayoum, June 28 to July 3, 1997. Held by EXCEL Partnership for Environmental Management Services, Sponsored by EP3/EGYPT and financed by USAID/Egypt.

- "EARA Accredited ISO 14000 Training Course", Cairo, November 30 to December 4, 1997. Held by EXCEL Partnership for Environmental Management Services, Sponsored by EP3/EGYPT and financed by USAID/Egypt.

- "Business Association Management Program, Level one". Al Gouna- Hurghada, February 27<sup>th</sup> to March 4<sup>th</sup>, 1999. Course held and organized by The Center for International Private Enterprise, an affiliate of the U.S. Chamber of Commerce.

- "Sources of Non-Dues Income" Conrad Hotel, Cairo, 28-29 September 1999. Course held and organized by The Center for International Private Enterprise, an affiliate of the U.S. Chamber of Commerce.

- "Measurement and Evaluation of Noise Pollution in the Working Environment", A Training Course Sponsored by The Arab Labor Organization and organized by The Arab Institute for Health and Occupational Safety. Damascus, Syria, 17-21 October 1999.

- "Financing Small and Medium Enterprises", A training course sponsored by the European Union, Nicosia, Cyprus, 30 March – 2 April 2001.

- "cleaner Production Technology", A training course sponsored by the Ministry of Industry and Technology Development in Cooperation with UNIDO. November 30 – December 1, 2003, Cairo.

## ***8. CONFERENCES ATTENDED:***

- "Fouling Science OR Art?", A conference sponsored by the corrosion science division of the Institute of Corrosion and Technology and the London and South-Eastern branch of the Institute of Chemical Engineers. University of Surrey, Guildford, UK, March 27-28, 19710.

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- "Progress in the Prevention of Fouling in Industrial Plants", Nottingham University, April 1-3, 1981.
- "1<sup>st</sup> Conference of Chemistry and its Role in Development", Faculty of Science, Mansoura University, September 24-26, 1986.
- "International AMSE Conference, Modeling and Simulation", Cairo, EGYPT, March 2-4, 1986.
- "1<sup>st</sup> Conference on the Future of Brick Industries and Building Materials in EGYPT till the Year 2000", National Research Center, March 20-21, 1988.
- "4<sup>th</sup> Conference on Chemical Engineering", member of preparation committee, Faculty of Engineering, Cairo University. Sponsored by the Egyptian Society of Chemical Engineers, December 27-29, 1992.
- 1<sup>st</sup>, 11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup>, 15<sup>th</sup>, 16<sup>th</sup>, 17<sup>th</sup>, and 18<sup>th</sup> Annual Water Treatment Technology Conference, Alexandria. Organized and sponsored by Abu Qir Fertilizers and Chemicals Company, June 1983, May 1993, May 1994, June 1995, May 1997, June 1998, June 1999, and June 2000.
- AQUA-TEC EGYPT 95, "1<sup>st</sup> International Conference on Potable Water Management & Water Treatment Technologies", Cairo International Conference Center. Held by Technical Cooperation Office for the Environment, Egyptian Environmental Affairs Agency, Cabinet of Ministers, December 5-7, 1995.
- "5<sup>th</sup> International Conference of Chemical Engineering", member of preparation committee, Cairo, Egyptian Society of Engineers. Sponsored by the Egyptian Society of Chemical Engineers, March 23-25, 1996.
- "AEEC DELTA Eco-Efficiency Workshop", Cairo, Sponsored by SGS, SDC Shell Egypt, TIPS/UNDP and USAID/ECEP/EP3, February 14-15, 1997.
- "1<sup>st</sup> International Conference & Trade Fair on Environment and Technology, Environment'97", Cairo, EGYPT. Sponsored by EEAA & TOCE, Cabinet of Ministers, February 16-18, 1997.
- "Trade and Environment Workshop", Organized by Association of Enterprise for Environmental Conservation, AEEC, Federation of Egyptian Industries, FEI, German Arab Chamber of Commerce, GACC, and 10<sup>th</sup> of Ramadan Investors Association, TRIA,

Sponsored by Arab Contractors and BTM, 10<sup>th</sup> of Ramadan City, April 13, 1997.

• "First National Environmental Conference, Media and Environmental Awareness", Organized by Arab Society for the Development of the Environmental Awareness and Tourism. Sponsored by EEAA, EOA, AGOSD, Falcon Fun Center, El-Montazah, Alexandria, EGYPT, April 29-30, 1997

• "DSM and the Reforming Energy Market Conference and Exhibition", Cairo, EGYPT. Sponsored by USAID, ECEP, EEAA, OECP, and AEDC, December 15-17, 1997.

• "International Conference on Environmental Management, Health and Sustainable Development" 22-25 March, 1999, Palsatine Hotel, Alexandria, EGYPT.

• "Towards New Vision for Egypt Mobarek 2000" A conference held by Federation of Egyptian Industries. 29-30 May, 1999.

• "17<sup>th</sup> Water Treatment Technology Conference" 8-10 June, 1999. Held by Abu Qir for Fertilizer and Chemicals Co. Sheraton El-Montazah, Alexandria Egypt.

• "Implementation of Renewable Energy Technologies (RETs) Project: Opportunities and Barriers", Egypt Country Study. One day Workshop Sponsored by UNEP and Organized by National Renewable Energy Authority (NREA), Sheraton Helioplies, Cairo, Egypt, September 1999.

• "METAP-EIA-Institutional Strengthening Project", Seniors Level Seminar. One day Seminar Organized By Egyptian Environmental Affairs Agency in Collaboration with the University of Manchester. Mena house Oberoi Hotel, Pyramid, Cairo, October 14, 1999.

• "environment 2003" a conference Organized and held by Egyptian Environmental Affairs Agency in Collaboration with the German Arab Cooperation Committee, Main Conference Center, Nasr City, Cairo, EGYPT, 30 September to October 2, 2003.

### ***9. Membership of Professional Organizations:***

9.1. Graduate Member of the British Institute of Chemical Engineers Since January 1979.

9.2. Member of the Egyptian Engineers Syndicate since July 1972.

9.3. Board member of the Egyptian Society of Chemical Engineers since 1975.

9.4. Member of the Egyptian Society for Water Environment Affairs, ESWEA, Since May 1997.

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9.5. Board Member of the Egyptian Society of Pollution Prevention in the Textile Industry since  
May 1998.

### **10. Membership of Committee's:**

- 10.1 Member of the Solid Waste Management Committee at the Egyptian Environment Affairs Agency (EEAA) as Federation of the Egyptian Industries representative.
- 10.2. Member of the Trade and Environment Committee at the Egyptian Environment Affairs Agency (EEAA) as Federation of the Egyptian Industries representative.
- 10.3 Member of the Energy Efficiency Council (EEC) at the Organization for Energy Conservation & Planning (OECP) as Federation of the Egyptian Industries Representative.
- 10.4 Member of the OZONE Committee at the Egyptian Environment Affairs Agency (EEAA) as Federation of the Egyptian Industries representative.
- 10.5 Member of ECO-Labeling for industries Committee, Egyptian Organization for Standardization and Quality Control, as Federation of the Egyptian Industries representative.
- 10.6 Member of the Environmental Science Committee, High Supreme Council of Universities as Federation of the Egyptian Industries representative.

### **11. PUBLISHED WORK:**

- 11.1. Saada, M.Y.; **Khater, E.M.H.**; Sorour, M.H.; Abu Nour, A.M. and Rihan, Z.E.  
"An Economic Evaluation of Haemodialysis in Egypt", Egypt. J. Biomed. Eng., 1  
(No. 2), 1980, p 143-148.
- 11.2. **Khater, E.M.H.**; Rihan, Z.E.; Baker, M.Y. and Saada, M.Y.  
"An Attempt to Optimize the Fluids Flow Rates in an Artificial Kidney", Egypt. J. Biomed. Eng., 4 (No. 1- 2), 1983, p 41-53.
- 11.3. Crittenden, B.D. and **Khater, E.M.H.**  
"Economic Fouling Resistance Selection", Proceeding of International Conference on  
the Fouling of Heat Transfer Equipment, Rensselaer Polytechnic Institute,

Troy, August,

1979, (E.F.C. Somerscales and J.G. Knudsen, eds.).

11.4. **Khater, E.M.H.**

**"Fouling Science OR Art?"**, 1<sup>st</sup> Annual Water Treatment Technology Conference,

Alexandria. Organized and sponsored by Abu Qir Fertilizers and Chemicals Company, June

1983.

11.5. Crittenden, B.D. and **Khater, E.M.H.**

**"Fouling in a Hydrocarbon Vaporizer"**, Chemical Engineering Symposium Series,

(No. 86), Brit. Inst. Chem. Eng., Rugby, 1984, p 401-414.

11.6. Crittenden, B.D. and **Khater, E.M.H.**

**"Fouling from Vaporizing Kerosene"**, Trans. ASME, J. of Heat Transfer, 100 (No. 3),

August 1987.

11.7. **Khater, E.M.H.** and Mahdy, A.N.

**"Thermal Decomposition of Ammonium Uranate"**, TESCE, 12 (No. 2), 1986, p 40-51.

11.8. Mahdy, A.N.; **Khater, E.M.H.** and Khater, A.M.

**"Dehydration of Ferrous Sulfate Heptahydrate Recovered from Pickling Liquid**

**Waste in Iron and Steel Industry"**, Proceeding of "1<sup>st</sup> Conference of Chemistry and its

Role in Development", Faculty of Science, Mansoura University, September 24-26, 1986,

p 71-83.

11.9. **Khater, E.M.H.** and Mahdy, A.N.

**"In Service Chemical Treatment of Boilers and Cooling Towers"**, J. Egypt. Soc. Eng.,

25 (No. 3), 1986, p 85-90.

11.10. Khater, A.M.; **Khater, E.M.H.**; Mahdy, A.N. and Abadir, M.F.

**"Effect of Some Lignosulfonates Additives on Some Properties of Gypsum**

**Panels"**, Pakistan. J. Sci. Ind. Res., 30 (No. 4), 1987, p 275-2710.

11.11. El-Diwany, G.; Hawash, S.; Ismail, M.I.; Al-Bassam, A.K. and **Khater, E.M.H.**

**"Monitoring of Ozone Treated Wastewater"**, Paper presented at the Canadian

Association of Water Pollution Research and Control (CAWPRC), Eastern Regional

Conference, Held at Quebec City, Pavilion de Konick University, Laval, October 30, 1986.

11.12. **Khater, E.M.H.**; El-Diwany, G. and Eissa, S.H.

**"Industrial Scale Study on Toluene Sulfonation Reaction"**, Modeling, Simulation &

Control, B, AMSE Press, 13 (No. 2), 1988, p 11-110.

11.13. **Khater, E.M.H.**

**"Fouling of Heat Exchange Equipment"**, Modeling, Simulation & Control, B,

AMSE Press, 13 (No. 2), 1988, p 1-10.

11.14. Eissa, S.H.; Saber, M. and **Khater, E.M.H.**

**"Harmful Salts Transformation from the Desert to the Valley and its Relation to**

**the Clay Brick Manufacture"**, (In Arabic), Paper presented at "1<sup>st</sup> Conference on the

Future of Brick Industries and Building Materials in EGYPT Till the Year 2000", National

Research Center, March 20-21, 1988.

11.15. El-Halwagi, M.M.; Hamad, M.A. and **Khater, E.M.H.**

**"Utilization of Rice Hulls and Straw as a Source of Energy: A Review Paper"**,

J. Egypt. Soc. Eng., 27 (No. 2), 1988, p 105-118.

11.16. **Khater, E.M.H.**

**"Chemical Reaction Fouling: A Current Status"**, J. Egypt. Soc. Eng., 31 (No. 2),

1992, p 49-57.

11.17. **Khater, E.M.H.**; El-Ibiary, N.N.; Khattab, I.A. and Hamad, M.A.

**"Gasification of Rice Hulls"**, Biomass & Bioenergy, 3 (No. 5), 1992, p 329-333.

11.18. Said, F.; **Khater, E.M.H.**; Abd El-Monim, N.M. and Hafez, A.I.

**"Wastewater Treatment in a Conventional Aeration Tank"**, Modeling Measurement

& Control, C, AMSE Press, 36 (No. 4), 1993, p 25-38.

11.19. **Khater E.M.H.**; Said, F. and Hafez, A.I.

**"Performance of Bench Scale Aeration Tank Treating Starch Industry Wastewater"**, Modeling Measurement & Control, C, AMSE Press, 39 (No. 2), 1993,

p 25-38.

11.20. **Khater, E.M.H.**; Said, F. and Hafez, A.I.

**"Starch Production Wastewater Treatment Using Completely Mixed Activated**

**Sludge System (Simulated Case Study)"**, Paper presented at the 11<sup>th</sup> Annual Water

Treatment Technology Conference, Alexandria. Organized and sponsored by Abu Qir

Fertilizers and Chemicals Company, June 8-10, 1993.

11.21. **Khater, E.M.H.**

**"Removal of Fe and Mn from Underground Water using an Industrial Byproduct"**, Modeling Measurement & Control, C, AMSE Press, 41 (No. 2), 1994, p 11-20.

11.22. Eissa, S.H. and **Khater, E.M.H.**

**"A Proposed Approach for Purification of El-Bieda Sodium Sulfate Ore"**, Modeling

Measurement & Control, C, AMSE Press, 39 (No. 2), 1994, p 1-10.

11.23. **Khater, E.M.H.**; Abu-Sedira, A.A.; Khattab, I.A. and Badran, B.M.

**"Evaluation of Some Locally Produced Corrosion Inhibitors IV: Inhibition**

**Behavior of E.L.O. Adducts with Aromatic Amines"**, Paper presented at the 12<sup>th</sup>

Annual Water Treatment Technology Conference, Alexandria. Organized and sponsored by

Abu Qir Fertilizers and Chemicals Company, May 31 – June 2, 1994.

11.24. **Khater, E.M.H.**; Hawash, S.I. and El-Diwany, G.

**"Heat Pulse Technique for Monitoring Wastewater Treatment"**, Paper presented at

the 13<sup>th</sup> Annual Water Treatment Technology Conference, Alexandria. Organized and

sponsored by Abu Qir Fertilizers and Chemicals Company, June 6-8, 1995.

11.25. El-Masry, M.A.A.; Gaber, A. and **Khater, E.M.H.**

**"Thermal Decomposition of Ni(II) and Fe(III) Acetates and Their Mixtures"**, J. of

Thermal Analysis. 47, 1996, p757-763.

11.26. El-Masry, M.A.A.; Gaber, A. and **Khater, E.M.H.**

**"Preparation of Nickel Ferrite Using Aerosolization Technique, Part I:**

**Aerosolization Behavior of Individual Raw Material Solutions"**,

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**"Preparation of Nickel Ferrite Using Aerosolization Technique, Part II:**

**Aerosolization Behavior of Mixed Solution of Raw Materials "**,

J. of Powder Technology, 90 1997, p 165-168.

11.28. **Khater, E.M.H.**

**"Pollution Prevention Pays, Case Study"**, Paper presented at the 15<sup>th</sup> Annual Water

Treatment Technology Conference, Alexandria. Organized and sponsored by Abu Qir

Fertilizers and Chemicals Company, June 3-5, 1997.

11.29. Eissa, M.A. and **Khater, E.M.H.**

**"Pollution Prevention: Can We Afford to Wait: Case Study from Food Industry"**,

Paper presented at the 16<sup>th</sup> Annual Water Treatment Technology Conference, Alexandria.

Organized and sponsored by Abu Qir Fertilizers and Chemicals Company, June 9-11, 1998.

11.30. **Khater, E.M.H.**

**"Environmental Pollution Prevention Experience in EGYPT"**

Paper presented at International Conference on Environmental Management, Health and

Sustainable Development. 22-25 March, 1999. Palestine Hotel, El-Montazah, Alexandria,

EGYPT. Sponsored by UNISCO, Ministry of Environmental Affairs, University of Alexandria,

Environmental Information Society, and USAID.

11.31. **Khater, E.M.H.**

**"New Approach for Pollution Prevention in Metal Finishing Industry"**

Paper presented at the 17<sup>th</sup> Annual Water Treatment Technology Conference, Alexandria.

Organized and sponsored by Abu Qir Fertilizers and Chemicals Company, June 8-10, 1999.

11.32. **Khater, E.M.H.**

**"POLLUTION PREVENTION BENEFITS FOR A TEXTILE MANUFACTURER"**, Paper

to be presented at the ENVIRONMENT 99, a Conference organized by the Egyptian

Environmental Affairs Agency, Cairo, November 24-26, 1999.

11.33. **Khater, E.M.H.**

**"Eco-Labeling: Science OR Art?"**,

Paper presented at the 18<sup>th</sup> Annual Water Treatment Technology Conference, Alexandria.

Organized and sponsored by Abu Qir Fertilizers and Chemicals Company, June 5-7,

2000.

11.34. P.A. Jago, **E.M.H. Khater**, L.K. Timothy and S. Fouad

**"Cost-effective improvements in Small and Medium sized Dairy factories: CASE**

**STUDY OF MAHROUS DAIRY"**

Paper presented at "Environment 2003" Conference, Main Conferences Center, Nasr

City, Cairo, EGYPT, September 30 – October 2, 2003.

1135. Jago, Philip A, Timothy, Linda K, FOUAD, Shahenaz and **KHATER, EL-Sayed**

**"Eco-labelling for Textiles - The Benefits and Opportunities"**

Paper presented at "Environment 2003" Conference, Main Conferences Center, Nasr

City, Cairo, EGYPT, September 30 – October 2, 2003.

11.36. **Jago**, Philip A, **KHATER, EL-Sayed**, **Timothy**, Linda K, **FOUAD**, Shahenaz, **Modak**,

Parasad, **Datar**, Rahul, and **Gopalan**, Radha

**"GUIDANCE MANUAL FOR INTEGRATING CLEANER PRODUCTION**

## **WITH BRC**

### **SERVICES”**

A Guideline Manual prepared and published by the “Support for Environmental and

Assessment Management” (SEAM) Programme in cooperation with Egyptian Environmental Affairs Agency (EEAA), January 2005.

11.37. **Jago**, Philip A, **KHATER, EL-Sayed, Timothy**, Linda K, and **FOUAD**, Shahenaz

#### **“ Operating Manual for HVLP Spray Gun” (In Arabic).**

An Operating Manual prepared and published by the “Support for Environmental and

Assessment Management” (SEAM) Programme in cooperation with Egyptian Environmental Affairs Agency (EEAA), December 2004.

11.38. **Jago**, Philip A, **KHATER, EL-Sayed, Timothy**, Linda K, **FOUAD**, Shahenaz, **Modak**,

**Parasad, Datar, Rahul, and Gopalan, Radha**

#### **“ Guidance Manual for Industrial Estate Management”**

A Guideline Manual prepared and published by the “Support for Environmental and

Assessment Management” (SEAM) Programme in cooperation with Egyptian Environmental Affairs Agency (EEAA), December 2004.

11.39. **Jago**, Philip A, **KHATER, EL-Sayed, Timothy**, Linda K, **FOUAD**, Shahenaz, **Modak**,

**Parasad, Shaheen, Abeer and Gopalan, Radha**

#### **“GUIDANCE MANUAL ON ENHANCING EGYPTIAN TRADE THROUGH CLEANER PRODUCTION”**

A Guideline Manual prepared and published by the “Support for Environmental and

Assessment Management” (SEAM) Programme in cooperation with Egyptian Environmental Affairs Agency (EEAA), January 2005.

11.40. **Jago**, Philip A, **KHATER, EL-Sayed, Timothy**, Linda K, **FOUAD**,

Shahenaz, **Modak**,

Parasad, **Ibrahim**, Nabil, and **Abu Shosha**, Mohamed.

**“Piece Dyeing Guidance Manual”**

A Guideline Manual prepared and published by the “Support for Environmental and

Assessment Management” (SEAM) Programme in cooperation with Egyptian Environmental Affairs Agency (EEAA), January 2005.

11.41. **Jago**, Philip A, Aita, Osman, **FOUAD**, Shahenaz, **KHATER**, **EL-Sayed**, **Timothy**, Linda

K, Modak, **Parasad**, Datar, **Rahul**, and **Dastur**, Mahazareen

**“Cleaner Production in the Dairy Sector, Egypt”**

A Guideline Manual prepared and published by the “Support for Environmental and

Assessment Management” (SEAM) Programme in cooperation with Egyptian Environmental Affairs Agency (EEAA), September 2004.

11.42. **Jago**, Philip A, **FOUAD**, Shahenaz, **KHATER**, **EL-Sayed**, **Timothy**, Linda K, Modak, **Parasad**, Datar, **Rahul**, **Dastur**, Mahazareen, **El-Booz**, Aly,

and

**El-Haggar**, Salah.

**“Report on the Secondary Aluminum Sector for Utensils in Egypt”**

A Guideline Manual prepared and published by the “Support for Environmental and

Assessment Management” (SEAM) Programme in cooperation with Egyptian Environmental Affairs Agency (EEAA), September 2004.

11.43. **Jago**, Philip A, **FOUAD**, Shahenaz, **KHATER**, **EL-Sayed**, **Timothy**, Linda K, Modak, **Parasad**, Datar, **Dastur**, Rahul

**“A Guide to Undertake Cleaner Production Opportunity Assessment for Micro, Small, and Medium Enterprises”**

A Guideline Manual prepared and published by the “Support for Environmental and

Assessment Management” (SEAM) Programme in cooperation with Egyptian Environmental Affairs Agency (EEAA), September 2004.

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11.44. **Khater**, El-Sayed, **Jago**, Philip, and **El-Hagggar**, Salah

**"FURNACE EFFICIENCY IMPROVEMENT TO REDUCE ENERGY CONSUMPTION AND EMISSIONS, ALUMINIUM FOUNDRIES, MITT GHAMR, DAKAHLEYA, EGYPT"**

Paper presented at the 2<sup>nd</sup> International Conference of Engineering Research Division, *Conference Theme* "Advances in Engineering Science and Technology, National Research Centre, November 12-14,2005, Cairo, EGYPT

11.45. **Khater**, El-Sayed, **Jago**, Philip, and **Aitta**, Osman

**"MODERNISATION OF A TRADITIONAL SMALL-SCALE CHEESEMAKER EISSA'S SONS FOR DAIRY PRODUCTS, DAMIETTA, EGYPT"**

Paper presented at the 2<sup>nd</sup> International Conference of Engineering Research Division, *Conference Theme* "Advances in Engineering Science and Technology, National Research Centre, November 12-14,2005, Cairo, EGYPT

11.46. **Khater**, El-Sayed, and **Jago**, Philip

**"Reuse Of Plastic Off cuts To Produce Slippers.... And Profits!  
New El-Ameer For Plastics And Cork Products, EL-KAWTHAR, SOHAG"**

PAPER PRESENTED AT THE 2<sup>ND</sup> INTERNATIONAL CONFERENCE OF ENGINEERING RESEARCH DIVISION, *CONFERENCE THEME* "ADVANCES IN ENGINEERING SCIENCE AND TECHNOLOGY, NATIONAL RESEARCH CENTRE, NOVEMBER 12-14,2005, CAIRO, EGYPT

11.47. **Khater, E.M.H**

Cleaner Production Pre-Assessment Report for Allameen Foundry, Report was done for the DANIDA Component ACI implemented by the Federation of the Egyptian Industries. August, **2005**.

11.48. **Khater, E.M.H**

Cleaner Production Pre-Assessment Report for Hassan Zaki Company for Chemicals and

Plastics, Report was done for the DANIDA Component ACI implemented by the Federation of the Egyptian Industries. November **2005**.

11.49. **Khater, E.M.H**

Cleaner Production Pre-Assessment Report for Arab Company for Plastics

Recycling, Report was done for the DANIDA Component ACI implemented by the Federation of the Egyptian Industries. November **2005**.

**11.50. Khater, E.M.H**

Cleaner Production Pre-Assessment Report for Chloride Egypt, S.A.E, Company, Report Was done for the DANIDA Component ACI implemented by the Federation of the Egyptian Industries. April **2006**.

**11.51. Khater, E.M.H**

Cleaner Production Assessment and Implementation Report for Chloride Egypt, S.A.E, Company, Report Was done for the DANIDA Component ACI implemented by the Federation of the Egyptian Industries. May-June **2006**.

**11.52. Khater, E.M.H**

“Cleaner Production Opportunities in Some Food Industries”, Paper presented at a one day Seminar “**Food Industries in Egypt: Present and Future**”, June 21<sup>st</sup>, 2006

**11.51. Khater, E.M.H**

Cleaner Production and Energy Conservation Assessment and Implementation Report for Magi Foods, Report done for the DANIDA Component ACI, Implemented by the Federation of the Egyptian Industries. April **2006**.

# ***CURRICULUM VITAE***

## **PERSONAL DETAILS:**

**Name:** Fatma Adel Mohammed El-Matary.

**Birth Date:** 6 Marsh 1979.

**Birth place :** Kafer El- Batiekh – Damietta.

**Residence place :** Kafer El- Batiekh–Damietta.

**Nationality** : Egyptian.

**Marital Status** : Single.

**Tel. No** : 0167427240-0161696900-0162690082

**Email Address** : dr.fatma\_env@yahooo.com



## **QUALIFICATION:**

❖ **Ph-D in Environmental Sciences**, Environmental Sciences Department  
Faculty of Science at Damietta, Mansoura university. Egypt, 2010.

**Title of the thesis:** Grey Wastewater Treatment Using Down Flow  
Hanging Sponge System.

❖ **Master in Environmental Sciences**, Environmental Sciences Department  
Faculty of Science at Damietta, Mansoura university. Egypt, 2007.

**Master title :** Studies On Some Environmental Hazards Along The Nile Delta  
Coastal Area Between Damietta and port-said, Egypt.

❖ **Bachelor of science, Environmental Sciences Department**, Faculty of

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Science at Damietta, Mansora university. Egypt, May 2001.

## **EXPERIENCES**

### **❖ Published Researches**

- Grey wastewater treatment via down-flow hanging sponge (DHS) system for reuse in agricultural purposes.
- Removal of chemical and microbiological contaminants from Grey water using down-flow hanging sponge (DHS) system

**❖ Working as Scholar- Ship student for Ph-D** in Environmental Sciences  
Department Faculty of Science at Damietta, Mansoura university. Egypt.

**❖ Working as an Environmental Consultant** and have an excellent experience in several fields as Environmental impact assessment studies(EIA), Environmental measurements, Solid wastes management, design and management industrial wastewater treatment plants, and Environmental records for the industrial areas and factories during my work in the Nile Center for the Environmental and Scientific services which authorized from the Egyptian Environmental affaires agency.

**❖ Working as Scholar- Ship student for M. Sc.** in Environmental Sciences  
Department Faculty of Science at Damietta, Mansoura university. Egypt.

**❖ training on how to analysis the physico-chemical** parameters of water and soil during my work on **M.Sc & Ph-D** degree , this parameters involve the following:-  
PH-TDS-TSS-Turbidity-Alkalinity-Acidity-DO-BOD-COD-TOC-Ammonia-Nitrate-Nitrite-Total Nitrogen-Total Phosphorus-Heavy Metals,,,,,,,,,,,,,etc.

## **SKILL SET**

### ❖ **Language skills**

Good commend in English (reading and speaking)

### ❖ **Computer skills**

1. Windows XP
2. Word
3. Internet

### ❖ **Personal skills**

- 1- Hard worker
- 2- Creative
- 3- Team worker
- 4- Good positive attend with challenge
- 5- Leader character