

**CURRICULUM VITAE
EMAN ALI MAHMOOD ASHOUR**



PERSONAL INFORMATION :

**PLACE & DATE OF BIRTH
ADDRESS & TELEPHONE**

***EI-Minia, Egypt, Jan. 29, 1960
* Faculty of Engineering, Minia
University, EI-Minia, Egypt
Telephone: 0862348005-Office
0862344140- Residence
Fax: 0862346674
E.Mail: emanalyashour@yahoo.com**

LANGUAGES:

**Excellent English and Arabic both written and spoken
Fair knowled of French.**

HIGHER EDUCATION:

a- Academic Qualifications :

- *B.Sc. in Chemical Engineering, EI-Minia University of EI-Minia.
Egypt. June 1982**
- *M.Sc in Chemical Engineering, EI-Minia University of EI-Minia.
Egypt. Aug. 1989**
- * Ph.D. in Chemical Engineering, EI-Minia University of EI-Minia.
Egypt. Feb.1994**

b- Thesis:

- *M.Sc. " Treatment of Egyptian phosphate ores."**
- * Ph.D. " Treatment of inorganic flame retardant on different cellulose
materials"**

PROFESSIONAL EXPERIENCE:

- Teacher in El-Minia University, El-Minia, Egypt (January 1983- September 1989)
- Teaching Assistant in Chemical Engineering Dept., El-Minia University . El-Minia, Egypt (September 1989 - March 1994)
- Teacher in Chemical Engineering Dept., El-Minia University, El-Minia, Egypt (March 1994- August 1999)
- Assistant Professor in Chemical Engineering Dept., El-Minia University – El-Minia Egypt (August 1999- May 2006)
- Professor in Chemical Eng. Dept., El-Minia University El-Minia, Egypt (May 2006 - to present) -

COURSES TAUGHT

General Chemistry	(Undergraduate Courses)
Inorganic Chemistry	(Undergraduate Courses)
Chemical Reaction Engineering	(Undergraduate Courses)
Water & Waste effluents Treatment	(Undergraduate Courses)
Metallurgy	(Undergraduate Courses)
Transport Phnomena	(Undergraduate Courses)
Engineering of Organic Chemical Industries	(Undergraduate Courses)
Chemical Reactor Design	(Undergraduate Courses)
Plant Design	(Undergraduate Courses)
Engineering of Inorganic Chemical Industries	(Undergraduate Courses)
Chemical Reaction Engineering	(Postgraduate Courses)
Treatment of Solid & Liquid Wastes	(Postgraduate Courses)
Advanced Chemical Engineering	(Postgraduate Courses)
Methods for Measuring Pollutants	(Postgraduate Courses)

PARTICIPATED WITH PAPERS IN CONFERENCES:

- 1- Al-Azhar Enginering Fourth International Conference Cairo, Egypt, 16-19 Dec.,1995.
- 2- The 6th International Conference on Environmental Protection is a Must, Alexandria, Egypt, 12-23 May 1996.

- 3- 5th Cairo international Conference on Energy Conversion and Environment, Cairo, Egypt, 3-6 June ,1996.
- 4- AI-Azhar Engineering Fifth International Conference, Cairo, Egypt, Vol. 9, 19-22 Dec.,1997.
- 5- The Fifth Arab International Conference on Materials Science "Materials and Fire" ,Alexandria, Egypt, 22-25 March, 1998.
- 6- The 6th Cairo International Conference on Energy and Environment, Cairo, Egypt, 18-21 May,1998
- 7- The 1st - Minia International Conference for Advanced Trends in Engineering, EI-Minia Egypt, 14-16 March, 1999.
- 8- The 7th International Conference on Energy and Environmental Cairo , Egypt, March 11-13, 2000.
- 9- The 4th International Conference on Role of Engineering Towards a Better Environment, Alexandria, Egypt, Dec. 21-23, 2002.
- 10 - الندوة العلمية الأولى عن التصنيع الزراعي بمحافظة المنيا من 11-13 مارس 2003
كلية الهندسة – جامعة المنيا
- 11- The 5th Egyptian Syrian Conference in Chemical and Petroleum Engineering, Faculty of Petroleum and Mining Engineering, Suez. Egypt, Oct. 13-16, 2003.
- 12 - ورقه عمل (تطوير صناعة العسل الأسود ووسائل استفادة من مخلفات صناعته
من 10-12 نوفمبر 2003 – محافظة المنيا .
- 13 -1st International Conference on Green & Advanced Engineering Technologies, National Research Centre, Cairo, Egypt, Jan. 3-6, 2004.
- 14- 2nd International Conference on Chemical and Environmental Engineering Military Technical Collage, Cairo, Egypt, Nov. 23-25, 2004.
- 15-2nd symposium on Heat Treatment of Metals and Alloys, Tabbin Institute for Metallurgical Studies, and the Egyptian Heat Treatment Society, Cairo Egypt, 4-6 Dec., 2004.

- 16- The 7th International Conference of Chemical Engineering, Egyptian Society of Engineering, Cairo, Egypt, Dec. 27-29, 2004.
- 17- EI-Minia International Conference Towards a Safe and Clean Environment, TSCE'05, EI-Minia, Egypt, 15-17 April, 2005.
- 18- The 3rd International Conference on Chemical and Environmental Engineering, Military Technical College, Cairo, Egypt, May 16-18,2006.
- 19- First Minia Conference on Investment in Technology, EI-Minia , Egypt, 7-8 May ,2007 .

PUBLICATIONS:

- 1-INDUSTRIALIZATION .OF THE ACIDULATION PROCESS OF EGYPTIAN PHOSPHATE ORES .
Bulletin of the Faculty of Engineering & Technology, El-Minia University, Vol.9,No. 1, 1990.
- 2- YELLOW BASIC DYE REMOVAL BY ADSORPTION ON PALM-FRUIT BUNCH PAR ICLES.
AI-Azhar Engineering Fourth International Conference, Cairo, Egypt, Vol.9, 16-19 Dec.,1995.
- 3- THERMAL CHARACTERISTICS OF BAGASSE !
Journal of Applied Polymer Science Vol. 61, 1996.
- 4- CEMENTATION OF COPPER FROM DILUTE SOLUTION OF COPPER SULPHATE IN PRESENCE OF IRON, ALUMINIUM OR ZINC METAL CYCLINDERS.
The 6th International Conference on Environmental Protection is a Must, Alexandria, Egypt, 12-23 May, 1996.
- 5- KINETICS OF THERMAL DEGRADATION OF BAGASSE AND FLAX PARTICLE BOARDS.
5th Cairo Inteational Conference on Energy Conversion and Environment, Cairo- Egypt,3-6 June, 1996.

- 6- DYE ADSORPTION -BAGASSE A NEW POTENTIAL SOURCE FOR ENERGY CONVERSION.**
5th Cairo International Conference on Energy Conversion and Environment, Cairo-Egypt, 3-6 June, 1996.
- 7- THERMAL TREATMENT OF WASTE PRODUCT FROM PETRO LEUM REFINING.**
AI-Azha Engineering Fifth International Conference Cairo, Egypt, Vol.9, 19-22, Dec ., 1997.
- 8- THERMAL ANALYSIS OF BAGASSE KRAFT LIQUOR.**
The Fifth Arab Inemational Conference on Materials Science "Materials and Fire ", Alexandria Egypt, 22-25 March, 1998.
- 9- KEROSENE DESULFURIZATION BY ADSORPTION WITH PLANT WASTE MATERIALS.**
The 6th International Conferente on Energy and Environment, Cairo, Egypt,18- 21 May ,1998
- 10- SODA BLACK LIQUOR, LIGNIN AND OIL-WASTE AS CONCRETE ADDITIVES.**
The 1st Minia International Conference for Advanced Trends in Engineering, EI-Minia,Egypt, Vol.3, 14-16 March,1999.
- 11- HEAT AND MOMENTUM TRANSFER PARAMETERS OF BAGASSE BLACK LIQUOR.**
Alexandria Engineering Journal, Faculty of Engineering ,Alex., Egypt, Vol. 38,No.2, March 1999.
- 12- THERMAL STUDIES ON PAPER TREATED WITH FLAME-RETARDANT .**
Fire and Materials Journal, Vol.23,1999.
- 13- CHARACTERIZATION OF EGYPTIAN OIL SHALE AS FUEL AND AS ADSORBENT**
The 7th International Conference on Energy and Environmental, Cairo, Egypt, March 11-13,2000.
- 14- EFFICIENCY OF ACTIVATED CARBON FROM MAIZE COB AS FUEL AND AS AN ADSORBENT**
Alexandria Engineering Journal, Faculty of Engineering ,Alex., Egypt, Vol. 41, No.5,2002

- 15- **THE USE OF CEMENT DUST FOR THE REMOVAL OF PHENOLI COMPOUNDS FROM AQUEOUS SOLUTIONS**
The 4th International Conference on Role of Engineering Towards a Better Environment , Alexandria, Egypt, Dec. 21-23,2002.
- 16 - تصنيع نوعيات من الخشب من النفايات الزراعية -
الندوة العلمية الاولى عن التصنيع الزراعي بمحافظة المنيا من 11-13 مارس 2003
كلية الهندسة - جامعة المنيا
- 17- **FEASIBILITY OF NATURAL CLAYS AS CATALYSTS FOR POLLUTION CONTROL IN AUTOMOTIVE EXHAUST TRAPS**
The 5th Egyptian Syrian Conference in Chemical and petroleum Engineering, Faculty of Petroleum & Mining Engineering, Suez, Egypt, Oct. 13-16,2003.
- 18 - أخشاب صناعية من مصاص القص -
ورشه عمل عن تطوير صناعة العسل اسود ووسائل الاستفادة من مخلفات صناعة من 10-12 نوفمبر 2003
محافظة المنيا
- 19- **SOLID WASTES FOR REINFORCING GYPSUM CONSTRUCTIONS AGAINST ACCIDENTAL FIRING EVENTS**
1st International Conference on Green & Advanced Engineering Technologies, National Research Centre, Cairo, Egypt, Jan. 3-6 ,2004.
- 20- **LOCAL RESOURCES AND ENGINEERING AS RESORTS AGAINST UTOMOTIVE EMISSIONS**
2nd International Conference on Chemical and Environmental Engineering Military Technical College, Cairo, Egypt, Nov. 23-25,2004.
- 21- **ISOTHERMAL OXIDATION BEHAVIOR OF ALUMINIZED STAINLES STEEL IN AIR AT HIGH TEMPERATURE**
2nd Symposium Heat Treatment of Metals and Alloys, Tabbin Institute for Metallurgical Studies , and the Egyptian Heat Treatment Society, Cairo, Egypt, Dec. 4-6 , 2004.
- 22- **EFFECTIVE HEAT TRANSFER PARAMETERS IN BEDS PACKED WITH SPHERICAL PARTICLES**
The 7th International Conference of Chemical Engineering, Egyptian Society of Engineering, Cairo, Egypt, Dec. 27-29, 2004.

- 23- AN INVESTIGATION ON THE FEASIBILITY OF PEANUT HULL AS AN ADSORBENT
Alexandria Engineering Journal, Faculty of Engineering ,Alex.,Egypt, vol.44, No. 1, 2005
- 24- INCINERATION AS A MEANS FOR SOLID WASTE AND ENERGY MANAGEMENT
1- Design The Incinerator and Treatment of Emissions
EI-Minia International Conference Towards a Safe and Clean Environment, TSCE'05, El-Minia, Egypt, 15-17 April , 2005.
- 25- INCINERATION AS A MEANS FOR SOLID WASTE AND ENERGY MANAGEMENT
11- Lime treatment and Energy Recovery EI-Minia International Conference Towards a Safe and Clean Environment , TSCE'05, El-Minia, Egypt, 15-17 April, 2005.
- 26- FEASIBILITY OF LOCAL SOLID EFFLUENTS FROM THE CEMENT AND FOOD INDUSTRIES FOR LANDFILL CONSTRUCTIONS
EI-Minia International Conference Towards a Safe and Clean Environment, TSCE'05, El-Minia, Egypt, 15-17 April, 2005.
- 27- STUDIES IN THE REMOVAL OF CHROMIUM IONS FROM INDUSTRIAL WASTE EFFLUENTS
Journal of Engineering, India 2006.
- 28- FEASIBILITY OF FLOTATION TECHNIQUES FOR TREATMENT OF AQUEOUS EFFLUENTS OF THE EDIBLE – OIL INDUSTRIES
The 3rd International Conference on Chemical and Environmental Engineering, Military Technical College, Cairo, Egypt, May 16-18,2006.
- 29- REFUSED DRIVED FUEL USING FRINDLY BINDING MATERIALS
First Minia Conference on Investment in Technology El-Minia, Egypt 7-8 May, 2007.
- 30- إنتاج الفحم المنشط المزيل للانسوان
First Minia Conference on Investment in Technology El-Minia, Egypt, May 7-8 , 2007.
- 31- UTILIZATION OF AL-SLAG AS A SOURCE IN PREPARATION OF POROUS CORDIERITE, PART 1.
International Ceramic Review "Interceram" , Vol 58 , No.5, 2009.

32- Utilization of Al-Slag as a source in preparation of porous cordierite Part I

International ceramic review, 275-279, 58, Jan 2009.

33- REMOVAL OF CHROMIUM IONS FROM INDUSTRIAL WASTE EFFLUENTS BY ADSORPTION

المؤتمر الدولي السادس لكلية الفنية العسكرية، 1-12، مايو 2012

34- Economical use of dewatered alum sudge: a feasible adsorbent for basic dye removal

11th international conference on chemistry and its role in development, Mar 2013.

35- Synthesis and electrochemical capacitance behaviour of ZnO-doped TiO₂ nanofibers

Energy and environment focus, Mar 2014.

36- Bioactivity and physico-mechanical evaluation of developed composites based calica-silica system

Nanomaterial synthesis, Fabrication and applications Nanotech-challenges, April 2014

37- Effects of reusing water treatment plant sludge in brick manufacturing

7th international conference for chemical and environmental, Military technical college, May 2015

38- Equilibrium sorption of cationic dye from aqueous solution using low-cost agriculture waste

7th international conference for chemical and environmental, Military technical college, May 2015

39- Use of agriculture-based waste for basic dye sorption from aqueous solution: Kinetics and isotherm studies

American Journal of Chemical Engineering, 92-98, 26, Jun 2014

- 40- Determination of specific surface area of natural clay by comparative methods**
International Journal of Science, Eng. and Technology, 2100-2105, 3, Aug. 2014
- 41- Synthesis of novel Fe.doped Amorphous TiO₂/C nanofibers for supercapacitors applications**
International J. ElectroChem. Sci, 3117-3123, 10, Jan. 2015
- 42- Effective and highly recyclable nonosilica produced from the rice husk for effective removal of organic dyes**
Journal of industrial and engineering chemistry, 134-145, 29, Jan. 2015
- 43- A review of green trends for oil extraction using subcritical water technology and biodiesel production**
Journal of oleo science, 467-478, 65, May 2015.
- 44- Synthesis and characterization of a novel bioceramic composite in the lime-magnesia-silica ternary system with ZrO₂ additive**
Bulletin of Tabbin Institute for metallurgical studies, 39-48, 46, May 2015.
- 45- Using low-cost agriculture waste for cationic dye removal from an aqueous solution: equilibrium sorption**
Engineering research Journal, Faculty of Engineering, Minoufiya University, 73-79, 38, Jan. 2015
- 46- Hierarchical TiO₂/ZnO nanostructure as novel non-precious electrocatalyst for ethanol electrooxidation**
Journal of material science technology, 97-105, 31, Jan. 2015

Post graduate supervision

- 1- إنتاج مواد ممتناهية الصغر باستخدام تقنية المياه ماقبل الظروف الحرجة وذلك لاستخدامها فى الاغراض المختلفة، يناير 2016
- 2- Developing of bioceramic materials based CaO-SiO₂ system, July 2015
- 3- New trends for production of biodiesel fuel, April 2015
- 4- Porous ceramic based cordierite from waste materials, Oct. 2008
- 5- Studies of the characterization of some agriculture waste utilization as low-cost adsorbants, Jan. 2008
- 6- Heat transfer in chemically and physically altering bulks with gas flow, Aug. 2003
- 7- Studies on the treatment of some gaseous pollutant, July 2003
- 8- Waste mangement and energy recovery from wastes, July 2002