

RESUME

Asma.A.El-Sattar Mohammed

2019

I-PERSONAL INFORMATION:

Place &Date of Birth: Minia, Egypt, August 6, 1954.

Marital Status: Married and have four infants.

Address & Tele. : Faculty of Engineering Minia University, El-Minia, Egypt.

Telephone: 086 2362083 – Office.

0862348005

086 2367144 – Home

01023362226-mob.

Fax : 086 346674

II-LANGUAGES:

- Good Command of Arabic (mother language)
- Fluent English (Reading, writing and speaking)

III-HIGHER EDUCATION:

III-1-Academic Qualifications :

- B. Sc. in Chemical Engineering, Alexandria University, Egypt. June 1979.
- M.Sc. in Chemical Engineering, Minia University, El-Minia, Egypt, October 1985.
- Ph.D. in Chemical Engineering, Minia University, El-Minia, Egypt, Dec. 1990.
Associate professor in Chemical Engineering, Minia University, El-Minia, Egypt, July 1995.
-Professor in Chemical Engineering, Minia University, El-Minia, Egypt, October / 2004 till present.

III-2-Thesis :

*M.Sc.“ A kinetic Study of Some Consecutive Reactions “

*Ph.D.“A kinetic Study of Some Dyeing and Bleaching Processes.”

IV=EXPERIENCE:

- Demonstrator in Chemical Engineering, Minia University, Minia, Egypt (November 1979-).
- Teaching Assistant in Chemical Engineering, Minia University, El-Minia, Egypt (October 1985-December 1990).
- Teacher in Chemical Engineering, Minia University, El-Minia, Egypt (January 1991-July 1995).
- Associate professor in Chemical Engineering, Minia University, El-Minia, Egypt, July, 1995 to 2004.
- Professor in Chemical Engineering, Minia University, El-Minia, Egypt, October / 2004 till present.

- Head Master for Chemical Engineering Departement Minia University, El-Minia, Egypt, 9/2010 -2013.

V-1.Undergraduate Courses:

- Chem. Kinetics for 2nd year Chemical Engineering Department.
- Reactor Design for 3rd year Chemical Engineering Department.
- Polymer for 4th year Chemical Engineering Department.
- Organic Chem. Process Industries 4th year Chemical Engineering Department.
- Chem. Eng. Course for preparatory year.
- Take part in B.Sc. Projects.
- Take part in the supervision on Msc and PhD.

V-II. Graduate Courses:

V-II-I. Advanced Chem.Eng.Course in Chem. Eng. Reactions for M.Sc. Students.

V-II-II. Chemical methods for pollution control for Diploma 1.

V-II-III. Chemical methods for pollution control for Diploma 2.

VI-List of Publications:

- 1-Olfat, A. Fadali, Asma, Abd El-Sattar ; “Desulphurization of Flue Gas Using Rotating Cylinder Anode”, Bulletin of the Faculty of Engineering & Technology , Minia University , vol 11.1, June 1992, pp.255-176.
- 2-Asma, Abd El-Sattar , Abd El Monem, A. El –Bassouni “Factors Affecting The Extraction of Khellin Oil from Khellin Seeds”, Bulletin of the Faculty of Engineering & Technology Minia University, vol 13.1, June 1994, pp. 48-60.
- 3-Asma, Abd El-Sattar ,“Kinetics of corrosion of Aluminium In Hydrochloric Acid Solution In Absence And Presence of An Amine Type Inhibitor”Bulletin of the Faculty of Engineering & Technology Minia University, vol 13.2, Sept. 1994, pp. 187-197.
- 4-Asma, Abd El-Sattar ,“Dyeing Properties of Cotton after Bleaching of Cotton Fabric Treated with Sodium Hydroxide” Bulletin of the Faculty of Engineering & Technology Minia University, vol 13.2, Sept. 1994, pp.198-208.
- 5-Asma, Abd El-Sattar ,“Corrosion Behavior of Steel after Coating Using Aluminium, Silicon and Titanium Powders” Bulletin of the Faculty of Engineering & Technology Minia University, vol 13.3, Sept. 1994, pp.369-377.
- 6-Y.H.Magdy, A.A.Mohammed, O.A.Fadali and E.A.Ashour.”Yellow Basic Dye Removal by Adsorption on Palm-Fruit Buncs Particles “ Al-Azhar Eng. 4th International Conference, December 16-19, 1995 PP 251-260.
- 7-Asma, A.El-Sattar, Eman A.Ashour and Mosad M.El-Shayeb, “Cementation of Copper from Diluted Copper Sulfate in Presence of Iron, Aluminum, or Zinc metal cylinders”

- National Institute of Oceanography and Fishers, Alexandria, Egypt (N.I.O.F.) 6th International Conference on Environmental Protection is Must 21-23 may 1996.
- 8-Asma, A.El-Sattar and M. M.El-Shayeb "Application of Zinc for Pollution Control" Journal of the Egyptian Society of Engineers. No. 3, vol.35, 1996,pp 54-57.
- 9-Asma, A.El-Sattar, "Cementation of Copper from Diluted Copper Sulfate solution on A fixed Bed of Iron Cylinders ", Proceeding of the 1st International Conference on the (Role of Engineering Towards Better Environment}, Alexandria, 16-19 December, 1996.
- 10-Asma, A.El-Sattar, " Effect of Gas Sparging on the Cementation of Copper Ions from Industrial waste Using Zinc Bed", Proceeding of the 5th International Conference on {Energy and Environment}, Cairo, 1996.
- 11-Asma, A.El-Sattar, "Use of Silico Titanate for Removing Rad-Waste From Sea Water ", Proceeding of the 1st International Conference for (Advanced Trends In Engineering}, Minia, 14-15 March, 1999.
- 12- Asma, A.El-Sattar " Factors Affecting Corrosion Protection of Steel by Chromium Coating ", Proceeding of the 2nd International Conference \$ exhibition for (Life and Environment), Alexandria, 3-5 April 2001.
- 13- R.M.Abdel Monem, M.A. Hashem and A.A Mohammed, "Further Studies on Phenol Removal from Aqueous Solutions By Solvent Extraction ", Proceeding of Environmental Health Risk ", Witpress Southampton, Boston, 2001.
- 14- Asma, A.El-Sattar, Corrosion Protection of Mild Steel Using Different Types of Essential Oils" ", Proceeding of the 2nd International Conference \$ exhibition for (Life and Environment), Alexandria, 3-5 April, 2001.
- 15- Asma, A.El-Sattar, "Removal of Heavy Metals from WasteWater by Some Cation Exchange Resins". Bulletin of The Faculty of Engineering Minia University, Minia Egypt, Vol.20, Jan., 2002, pp. 117-131.
- 16- Asma, A.El-Sattar, "Silver Recovery from Aqueous Waste Using Packed Bed Cementation Reactor" Bulletin of The Faculty of Engineering Minia University, Minia Egypt, Vol.20, Jan. 2002, pp.208-218.
- 17- Asma, A.El-Sattar" Water Reclamation of Some Reactive Dyeing Effluent", Proceeding of the 2nd International Conference and Fair for Water and Environment"Aclean glass of water"21-23 Oct, 2003.
- 18- Asma A.El-Sattar, M. El-Shayeb and H. Abou-Dief " Silver recovery from photographic, x-ray films and fixer solution waste using a packed bed reactor Bulletin of The Faculty of Engineering Alexandria University, Alexandria, Egypt and Journal of Basic Science and Engineering.
- 19- Asfour, H.M; Mosad, M.El-Shayeb and Asma, A.El-Sattar" Municipal Waste Water Treatment-Case-Study", 8th International Conference IWTC8, 26-28 Mars, Alexandria, Egypt, p.149, 2004.
- 20- Hoda, M., Asma, A. S., and Wael A. M. Kinetics and Thermodynamics of the Synthesis of an Optically Active Helical Polymer Using a Novel Polymeric Catalyst. *First International Conference of Energy Engineering (ICEE-1). Aswan, Egypt. 28-31 Dec. (2008).*

- 21- Hoda, M., Aoki, T., and Asma, A. S. Synthesis of an optically active helical polymer using a novel polymeric catalyst. *Third Ain Shams International Conference on Environmental Engineering (ASCEE-3). Cairo, Egypt. April (2009).*
- 22- Hoda, M., Aoki, T., and Asma, A. S. Studies for an Optically-Active Helical Polymer Using a Novel Polymeric Catalyst (Part A. Synthesis of the Polymeric Catalyst). *Journal of Faculty of Eng. Minia University. 28: 2 (2009).*
- 23- Hoda, M., Wael, A. M., and Asma, A. S. Studies for an Optically-Active Helical Polymer Using a Novel Polymeric Catalyst (Part B. Kinetics, Mechanisms and Thermodynamics). *Journal of Faculty of Eng. Minia University. 28: 2 (2009).*
- 24- Hoda, M., Aoki, T., and Asma, A. S. Studies for an Optically-Active Helical Polymer Using a Novel Polymeric Catalyst (Part C. Application for the Production of an Optically-Active Helical Copolymer). *Journal of Faculty of Eng. Minia University. 28: 2 (2009)*
- 25- *Mohmed Salah & Asma Abd El-Sattar "Utilization of Fresnel lens solar collector in water heating for desalination by humidification-de humidification 31March-2 April 2011.*
- 26- Dina AbouElEla, Mamdouh GadAlla and Asma AbdElSattar "An Environmental&Energy-Integration Process Design for Styrene Monomer Production" *Journal of International Academic Research for Multidisciplinary, Vol 4, Issue 2, March 2016.*
- 27- Ibrahim Ashour, Enas T. Syed, Marwa M. Mohamed, Asma A. Mohamed, Mohamed A. Abdelkareem "Application of Microbial Fuel Cell for Simultaneous Sugar Waste Treatment and Electricity Generation" *International Journal of Chemical and Environmental Engineering "Vol 7, No 2, April 2016.*
- 28- Ahmed Talaat^a, M. Abdelkreem^a, Eman Ashour^b, and Asma Abdelsattar^b "Comparative Study of International Academic Research for Multidisciplinary, , vol (4), Issue 8: 2320-5083 *Journal of Methylene Blue Adsorption Using (raw, acid, base, modified, magnetic loaded) Rice Straw. Journal International Academic Research for Multidisciplinary, , vol (4), No. 2, March 2016., September 2016.*
- 29- Ahmed Talaata, M. Abdelkreem^a, Eman Ashour^b, and Asma Abdelsattar^b "Comparative Study of Congo Red Adsorption Using Different Modifications of Rice Straw." *Yanbu Journal of Engineering and Science., April 16, 2017.*
- 30- Mohammad A. Abdelkreem, Ibrahim Ashour, Samer Mohammed Asma A, Mohammed "Photocatalytic Water- Splitting Using TiO₂ for Hydrogen Production." *The Fourth International Conference on Advanced Sciences (ICAS4) Hurgad, Egypt 7th-10th Nov. 2017.*
- 31- Mamdouh A. Gadallah, Ahmed Mohammed, Asma A. Mohammed, Mahmoud Abdelhalim "Industrial and Economical Optimum Integrated Design of Crude Oil Distillation Unit." *The 4th International Conference for Environmental Studies and Research-Smart Sustainable Environment Sharm El-Shiekh-Egypt.-27-29 March 2017.*

VII-International Conference

- 1-Y.H.Magdy, A.A.Mohammed, O.A.Fadali and E.A.Ashour."Yellow Basic Dye Removal by Adsorption on Palm-Fruit Bunches Particles " Al-Azhar Eng. 4th International Conference, December 16-19, 1995 PP 251-260.
- 2-Asma, A.El-Sattar, Eman A.Ashour and Mosad M.El-Shayeb, "Cementation of Copper from Diluted Copper Sulfate in Presence of Iron, Aluminum, or Zinc metal cylinders" National Institute of Oceanography and Fishers, Alexandria, Egypt (N.I.O.F.) 6th International Conference on Environmental Protection is Must 21-23 may 1996.
- 3-Asma, A.El-Sattar, "Cementation of Copper from Diluted Copper Sulfate solution on A fixed Bed of Iron Cylinders ", Proceeding of the 1st International Conference on the (Role of Engineering Towards Better Environment}, Alexandria, 16-19 December, 1996.
- 4-Asma, A.El-Sattar, " Effect of Gas Sparging on the Cementation of Copper Ions from Industrial waste Using Zinc Bed", Proceeding of the 5th International Conference on {Energy and Environment}, Cairo, 1996.
- 5-Asma, A.El-Sattar, "Use of Silico Titanate for Removing Rad-Waste From Sea Water ", Proceeding of the 1st International Conference for (Advanced Trends In Engineering}, Minia, 14-15 March, 1999.
- 6- Asma, A.El-Sattar " Factors Affecting Corrosion Protection of Steel by Chromium Coating ", Proceeding of the 2nd International Conference \$ exhibition for (Life and Environment), Alexandria, 3-5 April 2001.
- 7- R.M.Abdel Monem, M.A. Hashem and A.A Mohammed, "Further Studies on Phenol Removal from Aqueous Solutions By Solvent Extraction ", Proceeding of Environmental Health Risk ", Witpress Southampton, Boston, 2001.
- 8- Asma, A.El-Sattar, Corrosion Protection of Mild Steel Using Different Types of Essential Oils" ", Proceeding of the 2nd International Conference \$ exhibition for (Life and Environment), Alexandria, 3-5 April, 2001.
- 9- Asma, A.El-Sattar" Water Reclamation of Some Reactive Dyeing Effluent", Proceeding of the 2nd International Conference and Fair for Water and Environment"Aclean glass of water"21-23 Oct, 2003.
- 10- Asfour, H.M; Mosad, M.El-Shayeb and Asma, A.El-Sattar" Municipal Waste Water Treatment-Case-Study", 8th International Conference IWTC8, 26-28 Mars, Alexandria, Egypt, p.149, 2004.
- 11- Hoda, M., Asma, A. S., and Wael A. M. Kinetics and Thermodynamics of the Synthesis of an Optically Active Helical Polymer Using a Novel Polymeric Catalyst. First International Conference of Energy Engineering (ICEE-1). Aswan, Egypt. 28-31 Dec. (2008).

- 12- Hoda, M., Aoki, T., and Asma, A. S. Synthesis of an optically active helical polymer using a novel polymeric catalyst. Third Ain Shams International Conference on Environmental Engineering (ASCEE-3). Cairo, Egypt. April (2009).

VIII. Post graduate supervision:

VIII-I.PhD

VIII-I.I. Hala Abou Dief , "Study on corrosion inhibition of carbon steel samples in the Egyptian petroleum industry" Discussed at June 2008.

VIII-I.II.Hoda Mahmoud Abd El-Ghany, " Production of optically-active polymer using novel catalytic process." Discussed at December 2009.

VIII-I.III.Gamal Mahmoud Ebrahim " Study about waste water treatment produced from production of slow-release fertilizers."22/11/2005.Discussed at 2011.

VIII-II.Msc.

-.Hala Abou Dief, "A Kinetic study of some cementation reactions." Discussed at 2002.

-.Soheir Mohamed Abo Baker,Electrochemical&Physical Decolorization of Industrial Dye Effluent.Discussed at 22/11/2003.

-.Aliaa M.M. Monazea "Comparative study on acid hydrolysis of cellulosic wastes". Discussed at 15/3/2007.

-.Ahmed Talat Abd Alla. "Industrial waste water treatment" 21/9/2010.

-.Deina Mohammed Abou El Ela. "Industrial waste water treatment" 21/9/2010.

-Marwa mohamed

-Samar eid Photocatalytic Water- Splitting Using TiO₂ for Hydrogen Production.”

-Samer Hassan

=Roa Makram Kamal

-Ahmed Mohamed Mahmoud Samy"Environmental and

-Take part in thesis's discussions.(15 thesises)

IVV- Computer skills:

IVV-I.Regular use of packages , Words, Excel, and Internet.

IVV-II.Acquainted to programming using FORTRAN and simulation program.

VV-Books:

Engineering Chemistry For the Preparatory Year

VVI- Leadership Development Project:

Internet 23-25/5/1998

P3 28-31/3/2005

L4 23-24/1/2006

L3 26-28/2/2006

IT 2006

VVII-Projects:

Taking part in Quality Assurance Project

تاريخ بدأ المشروع : 2009/10/31

إجمالي التمويل : 5 مليون و190000 جنيها مصريا

جهة التمويل : وحدة ادارة المشروعات بوزارة التعتيم العالي وجامعة المنيا

أهداف المشروع : التطوير المستمر والتأهيل للإعتماد