

## FACULTY VITA



### **Name: Prof. Yehia Hassan Magdy**

Prof. Dr. Yehia H. Magdy  
Chemical Engineering Department  
Vice Dane of postgraduate studies and researches  
Editor-in-Chief  
Minia Journal of Engineering and Technology (MJET)  
Faculty of Engineering – Minia University-  
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#### ▪ **Personal information**

Nationality: Egyptian  
Date of Birth: November 11,1959  
Marital status: Married  
Number of children: Four

#### • **ACADEMIC RANK:**

- Professor

#### • **EDUCATION:**

- Ph.D (Chemical Engineering), 1992, Joint Supervision, channel system between Queen's university of Belfast, N.I, U.K. and El-Minia University, Egypt.  
Thesis Title" Kinetic and Design of a Bagasse Adsorption Systems"
- M.Sc. (Chemical Engineering ), 1987, Chemical Engineering Department, Engineering College/El-Minia University, El-Minia, Egypt  
Thesis Title "Studies on the Extraction of Liquids in Non Conditions - Traditional"
- B.Sc . (Chemical Engineering), 1982, Chemical Engineering Department, Engineering College/El-Minia University, El-Minia, Egypt

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- **EXPERIENCE:**

- **ACADEMIC EXPERIENCE**

- Sept.2018-Present: Vice Dane of postgraduate studies and researches  
Editor-in-Chief  
Minia Journal of Engineering and Technology (MJET)
- June 2018- Sept. 2018: Prof. Chemical, Engineering Department El-Minia  
University, El-Minia, Egypt
- Jun 2010-Jun-2014 Program coordinator for B.Sc. Program, CHET Department,  
Yanbu Industrial College
- Jan 2006 –Jun 2010 Program Program coordinator for Associate Program ,  
CHET Department, Yanbu Industrial College.
- Sept 2003 – June 2005: Assistant Professor, CHET Department, Yanbu Industrial  
College.
- Sept 2000– Aug 2003: Associate Professor, Chemical Engineering  
Department, El-Minia University, El-Minia, Egypt
- Sept 1999 - Aug 2000: Visiting professor in Chemical Engineering  
Department, United Arab Emirate University, UAE
- Aug 1998 - March1999: Associate Professor, Chemical Engineering  
Department El-Minia University, El-Minia, Egypt
- Jun. 1992 – June 1998: Lecture,Chemical Engineering Department El-  
Minia University, El-Minia, Egypt
- Feb. 1987 – April 1987:Assistance Lecturer, Chemical Engineering  
Department El-Minia University, El-Minia, Egypt
- Octo. 1982- Jan 1987: Administrator, Chemical Engineering Department  
El-Minia University, El-Minia, Egypt

- **Professional Career Experience**

Teaching and assisting in the delivery of academic education courses for undergraduate students. The courses include:

- Process Pollution Control
- Unitperations
- Fluid Mechanics
- Senior Design Project
- Introduction to Chemical Engineering Technology

- Heat Transfer
- Transport Phenomena
- Separation processes
- Petroleum testing and refining

Teaching and assisting in the delivery of academic education courses for postgraduate students. The courses include:

- Advanced Transport Phenomena
- Adsorption Techniques
- Environmental Engineering
- Water and wastewater Treatment

- **Teaching Experience (Years):** (32)

- **NON ACADEMIC EXPERIENCE**

- Aug 2001 - Aug 2002: Consultant in private company ENTAG, Cairo, Egypt

- **CERTIFICATION/PROFESSIONAL REGISTRATION:**

SAS-AICHE (Saudi Chapter of AIChE)

- The Egyptian Association of Chemical Engineering, Cairo, Egypt.

- Reviewed research papers for Industrial and Engineering Research.

- **HONORS/AWARDS:**

- Certificate of outstanding contribution to teaching and learning excellence.

- **INSTITUTIONAL / PROFESSIONAL SERVICES :**

- Member ABET Committee for Associate Accreditation
- Member ABET Committee for **Bachelor of Science Accreditation**
- Member PAEC Committee
- Member Department Curriculum Development Committee
- Member in Department council
- Coordinator of subject group (Transport phenomena)
- Program coordinator for Associate Program (2006-2010)
- Program coordinator for B.Sc. Program (2011-2015)
- Editorial Member in Yanbu Journal of Engineering and Science (YJES)
- Editor-in-Chief in Yanbu Journal of Engineering and Science (YJES)

- **PROFESSIONAL DEVELOPMENT ACTIVITIES**

- **PROFESSIONAL MEETINGS /CONFERENCES/TRAINING ATTENDED  
(Last Five Years):**

- ‘Teaching and Learning Strategies’ conducted by the CDD Department
- Editorial board journal (YJES) meeting
- Active learning

- Quality Standards in the Education Process
- Use of Technology in Teaching
- Effective Presentation Skill
- Managing Time and Meeting
- Competing for Research Funds
  
- **SEMINARS/TRAINING PROGRAMS CONDUCTED :**
  - “Curriculum Development Process in the Department “
  - “Adsorption Techniques” presented to Scientific Permanent Committee for Chemical Engineering, Cairo, Egypt

- **Professional meetings attended (Include Dates):**

**Attended Conferences:**

El-Minia, Egypt, 14-16 Mar., 2000  
 Al Sweis, Egypt, 2-5 Dec.1995  
 Cairo, Egypt, 19-21 Mar.1995  
 Cairo, Egypt, 16-19 Dec.1995  
 Suntec City, Singapore,1-9 Sep. 1995  
 Cairo, Egypt, 3-6 June1996  
 Cairo, Egypt, 19-22 Dec.1997  
 Nagasaki, Japan, 20-25 May 2001

▪ **List of Publications:**

- 1) Al Duri, B.; Magdy, Y.; Nassar, M.; McKay, G  
 The modeling of multicomponent equilibrium in the adsorption of Dyes onto bagasse peth.  
 Trans. I. Chemical Engineering, 69 part B, 1991, 246-254
  
- 2) Magdy, Y.; Daifulla, A.A.M., 1998.  
 The adsorption of dyestuff from aqueous solutions onto sugar-mud in two modes of operations.r  
 Waste Mangement, 18, 1998, 220-225.
  
- 3) Magdy, Y.,  
 The adsorption of ,mixed dyes (acid and basic) onto hardwood in fixed bed.  
 Adsorption Science and Technology, 13, 1996, 367-375.
  
- 4) Nassar, M.; Magdy, Y.,  
 Removal of different basic dyes from aqueous solutions by adsorption on palm-fruit bunch particles.  
 The Chemical Engineering J., 66, 1997,223-226..
  
- 5) N.A.Mostafa; Magdy, Y. 1998.  
 Utilization of molasses and akalona hydrolzate for continueous glycerol production in a

packed-bed reactor.

Energy Conversion and Management, 39(7), 1998, 671-677.

- 6) McKay, G.; Yee, T.F.; Nassar, M.; Magdy, Y.  
Fixed bed adsorption of dyes in bagasse pith.,  
Adsorption Science and Technology, 16(8),1998, 623-640.
- 7) McKay, G.; Magdy, Y.; Nassar, M.; Al Duri, B.  
The use of bagasse pith for dye removal from effluent by adsorption.  
1st Irish Environmental Researchers' Colloquium Regional College Sligo, 11-13 Jan.,  
1991, pp19-13, Belfast, UK
- 8) Magdy, Y.; McKay, G.; Nassar, M., Al-Duri, B.  
Adsorption of dyes onto bagasse pith- capacity and preliminary economic studies.  
3rd Int. Symp. on Industry and Environment in the Developing World, 30 May- 2June,  
1991, Alex., Egypt..

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- 9) Al-Duri, B.; Magdy, Y.; Nassar, M.; McKay, G..  
Application of the bed depth service time model to fixed bed adsorption of basic dye onto  
bagasse pith.  
3rd Int. Symp. on Industry and Environment in the Developing World, 30 May- 2June,  
1991, Alex., Egypt..
- 10) Nassar, M.; Magdy, Y.  
Gas stirring for removal of basic dyes by adsorption on natural clay.  
The second Middle East Conference on Wastewater Management, 19-21 March, 1995,  
Cairo, Egypt.
- 11) Magdy, Y.  
Fixed bed adsorption for effluent treatment using hardwood.  
XXIII IASHS World Housing Congress, Suntec City, Singapore, Vol 2, 1-19 Sept. 1995,
- 12) Magdy, Y.; Mohammed, A.A.; Fadali, O.A.; Ashour, E. A.,  
Yellow basic dye removal by adsorption of palm-fruit bunch particles.  
Al-Azhar Engineering 4th Intern. Conference, 16-19 Dec., vol. 9, 1995, Cairo, Egypt.
- 13) Nassar, M.; Ashour, E. A.; Magdy, Y.  
Dye adsorption – bagasse a new potential source for energy conversion.  
Cairo Int. Conference on Energy Conversion and Environment, 3-6 June, 1996,  
Cairo.
- 14) Ashour, E.A.; Magdy, Y.; Nassar, M.  
Thermal treatment of waste product from petroleum refining.  
Al-Azhar Engineering 5thIntern. Conference, 19-22 Dec., 1997, vol. 9, Cairo, Egypt.

- 15) Mamdouh M. Nassar, Yehia H. Magdy, Abd El Hakim Daifullah and H. Kelany  
Mass Transfer and Adsorption Kinetics of Phenolic Compounds onto Activated Carbon Prepared from Rice Husk.  
Adsorption Science and Technology Vol 26(3), 157-167, 2008
- 16) Mohamed Shamrukh, Yahia Hassan  
Chlorination and Optimal Chlorine Dosage for Nile Water.  
First Ain Shams University International Conference on Environmental Engineering (ASCEE-1), Cairo, Egypt, April 2005, pp 644-654.
- 17) Aghareed M. Tayeb, Y. H. Magdy and Usama M. Nour  
A New Trend for Natural Gas Storage: I. Adsorptive Storage of Natural Gas.  
Proceeding of the International Conference on Vehicles Alternative Fuel Systems and Environmental Protection, VAFSEP 2001, Dublin City University, Ireland (6-9 July), 223-228

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- 18) Aghareed M. Tayeb, Y. H. Magdy and Usama M. Nour  
A New Trend for Natural Gas Storage: II. Accessibility of Adsorbed Natural Gas for Use in Gas-Fueled Vehicles. Proceeding of the International Conference on Vehicles Alternative Fuel Systems and Environmental Protection, VAFSEP 2004, Dublin City University, Ireland (6-9 July), 254-260.
- 19) M. M. Nassar, K. T. Ewida , E. E. Ebrahiem, Y. H. Magdy and M. H. Mheady  
Adsorption of Iron and Manganese Ions Using Low Cost Materials as Adsorbents.  
Adsorption Science and Technology Vol 22(1), 25-37, 2004.
- 20) O. A. Fadali, Y. H. Magdy, A. A. Daifullah, E. E. Ebrahiem, and M. M. Nassar  
Removal Of Chromium From Tannery Effluents By Adsorption  
Journal of Environmental Science and Health, Vol A39(2), 465-472, 2004
- 21) I. H. M. Aly, Y. H. Magdy, and N. A. M. Barakat  
Desulfurization of Egyptian Petroleum Coke Developments in Chemical Engineering and Material Processing, The Australian Research Journal, Vol 11(3/4), 395-406, 2003
- 22) I. H. M. Aly, A.B. Madany, Y. H. Magdy, and N. A. M. Barakat  
Agglomeration of Fine-Grained Petroleum Coke Developments in Chemical Engineering and Material Processing, The Australian Research Journal, Vol 11(3/4), 407-418, 2003.
- 23) M. M. Nassar, K. T. Ewida , E. E. Ebrahiem, Y. H. Magdy and M. H. Mheady  
Fixed-Bed Adsorption for the Removal of Iron and Manganese onto Palm Fruit Branch and Maize Cob.  
Adsorption Science and Technology Vol 21(2), 161-17

- 24) M. M. Nassar, A. A. Daifullah, Y. H. Magdy and E. E. Ebrahiem  
Uptake Of Cationic Dyes By Cement Kiln Dust: Sorption Mechanism And Equilibrium Isotherm.  
Adsorption Science and Technology, Vol. 20, No. 7, (2002)
- 25) Aghareed M Tayeb, Hassanein M. Asfour, A. A. El-Bassuoni, Yehya H. Magdy, and Neseim A. Mohamed  
Solar Detoxification of Industrial Wastewater Streams.  
The 3rd. Minia International Conference for Advanced Trends in Engineering, MICATE 2005, El- Minia , Egypt, 3-5 April 2005, 291-303
- 26) E. E. Ebrahiem, y. H. Magdy  
Euilibrium Studies During Adsorption Of Basic Dye From Aqueous Solutions Using Different Adsorbents Materiales.  
The First Minia International Conference for Advanced Trends in Engineering, MICATE "99", Minia (14-16) March 1999.
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- 27) Mohamed A. Abdulkarim, Naif A. Darwish, Yehia M. Magdy, and Ali Dwoidar  
Adsorption of Phenolic Compounds and Methylene Blue onto Activated Carbon Prepared from Date Fruit Pits. *Enx. Life Sci.* 2 (2002) 6, 161-165
- 28) Emad A. M. . Abdelghany, Emad N. El-Qada, and Yahya H. Magdy, “ Discharge rates of micro-size fine powders from a semi-batch circulating fluidized bed of binary particles under different humidification conditions” *Powder Technology* 244, 1–8., 2013
- 29) Emad N. El Qada, Emad A. M. Abdelghani, and Yehia H. Magdy, “Utilization of activated carbon for the removal of basic dyes in fixed-bed microcolumn” *International Journal of Energy and Environment* 4, 815-824,(2013
- 30) Y.H. Magdy, Hossam Altaher, E.A. Abdelghany. Equilibrium and Kinetic Modeling for the Adsorption of Three Phenolic Compounds onto Cement Kiln Dust. *Journal of Materials and Environmental Science*, 2018, Volume 9, Issue 2, Page 570-584.
- 31) Y.H. Magdy, Hossam Altaher. Kinetic Analysis of the Adsorption of Dyes from High Strength Wastewater on Cement Kiln Dust. *Journal of Environmental Chemical Engineering*, 2018, Volume 6, Pages 834–841.
- 32) Yehia M. Magdy, Hossam Altaher, E. ElQada. Removal of Three Nitrophenols from Aqueous Solutions by Adsorption onto Charcoal Ash: Equilibrium, and Kinetic Modeling. *Applied Water Science*, 2018, Volume 8(26). <https://doi.org/10.1007/s13201-018-0666-1>.
- 33) E.E. Ebrahiem, Hossam Altaher, Emad A. Abdelghany, Yehia H. Magdy. Packed Bed Column for Adsorption of Aqueous Phenols on Cement Kiln Dust. *Journal of Hazardous, Toxic, and Radioactive Waste*, 2018, 22 (3), 04018009-1/04018009-9.

34) Hossam Altaher, Yehia M. Magdy, Anwar Al-yaqout , Sustainable Adsorption Removal of Nickel and Chromium on Eco-Friendly Industrial Waste: Equilibrium Study . Journal of Environmental Science and Health (in press.).

▪ **References**

- **Prof. Mamdouh M. Nassar**, Chemical Engineering Department El-Minia, Engineering College, University, El-Minia, Egypt.  
[mamdouh\\_nassar@yahoo.com](mailto:mamdouh_nassar@yahoo.com)
- **Prof. O. A. Fadali**, Chemical Engineering Department El-Minia, , Engineering College, University, El-Minia, Egypt  
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- **Prof. Ibrahim ashour**, Chemical Engineering Department El-Minia, , Engineering College, University, El-Minia, Egypt.  
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