

CURRICULUM VITAE

Dr. Reda M. Abdelmonem Abobeah



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Personale Information

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Academic Qualification

Degree	Year of passing	University
Ph.D.	1995	El-Minia/Egypt
M.Sc.	1988	El-Minia/Egypt
B.Sc.	1983	El-Minia/Egypt

Professional Experience

Job Title	From	To	University
Demonstrator	1983	1988	Chem. Eng. Dept, El-Minia Univ.
Assist. Lecturer	1988	1992	Chem. Eng. Dept, El-Minia Univ.
Ph. D Scholarship	1992	1994	Technical Univ. of Denmark.
Assist. Lecturer	1994	1995	Chem. Eng. Dept, El-Minia Univ.
Assist. Prof.	1995	2003	Chem. Eng. Dept, El-Minia Univ.
Assist. Prof.	2003	2004	El-Tahady Univ., Sert, Lybia.
Associate Prof.	2004	2007	Chem. Eng. Dept, El-Minia Univ.
Visiting consultant	2007	2008	Sultan Qaboos Univ., Oman.
Assist. Prof.	2008	2016	Chem. Tech. Dept, YIC., KSA
Prof.	2016		Chem. Eng. Dept, El-Minia Univ.

Journal Articles & Conférences:-

1. Tayeb, A.M.; El-Rifai, M. A.; El-Tawil, Y.A; and Abdelmonem. R. M., “**Calculation of Optimal Controller Setting and Transient Responses of a Shell and Tube Heat Exchanger**”; Energy Conversion and management; Vol. 32, No. 5, p431-438, 1991
2. Tayeb, A.M.; El-Rifai, M. A.; El-Tawil, Y.A; and Abdelmonem. R. M.,” **A New Dynamic Model for a Shell and Tube Heat Exchanger**”; Energy Conversion and Management; Vol. 32, No. 5, p 439-446; 1991.

3. Ashour, I ; Abdelmonem, R.M., Fadali. O.A.; Slater, M.J; and Hashem. M.A., **“Single Liquid Breakage Probability and Characteristic Velocity in Liquid-Liquid System in a Rotating Contactor”**; Trans. Egyptian Society of Chemical Engineers (TESCE), 1998.
4. Mostafa, N.A., Abdelmonem, R.A.; and Holtzapple, M.T., **“Production of Acetic and Volatile Fatty Acids from Lime-Pretreated Bagasse/Chicken Manure”**; Alexandria Engineering J, Vol. 39, No. 5, 2000.
5. Nassar, M. M.; Fadali, O.A., and Abdelmonem, R.A., **“Gas Strring Technique for Adsorption of Basic Dyes onto Montuorllonite-Clay”**; 3rd Asia Pacific Conference on Sustainable Energy and Environmental Technology, Hong Kong, December 2000.
6. Abdelmonem R.M.; Hasem, M. A., and Asma, A. M. **“Further Studies on Phenol Removal from Dilute Aqueous Solution”**; 1st International Conference on Environmental Health Risk, Cardiff, Wales, UK, 10-12 September 2001.
7. Ali, I. H., Bastaweesy, A. M, Hashem, M. A., Abdelmonem, R. M., and Ebrahiem, E. E., **“Direct Reduction of Iron Ore Fines by Oil Shale Fines”** ; 2nd Minia International Conference for Advanced Trends in Engineering (MICATE’2002), Faculty of Eng., El-Minia, 7-9 April 2002.
8. Abdelsattar, A. M., Abdelmonem, R. M, and Hasem, M. A., **“Silver Recovery from Aqueous Waste Using Packed Bed Cementation Reactor”**, Bulletin of the Faculty of Eng., El-Minia University, Vol. 20, No.2, 2002.
9. Abdelmonem, R. M., **“Developed Thermodynamic Consistency Test for Vapor-Liquid Equilibrium Data at Moderate and High Pressure”**, Trans Egyptian Society of Chemical Engineering (TESCE), 2003
10. Abdelmonem, R. M., Mosaad M. El-shayeb, and Hasem, M. A., **“ Factors Controlling the Properties of Ceramic Body and Glazes”** 5th international engineering conference (5th IEC), Al Mansoura and Sharm El Sheikh, Egypt, March 2006.
11. Hashem M.A., Abdelmonem R.M., and Farrage T.E., **“Human Hair as a Biosorbent to Uptake Some Dyestuffs From Aqueous Solutions”** Alexandria Engineering J, Vol.. 46, No. 2,pp. 205-213, 2007
12. Barakat N. A.M.,Farrage T.E., Abdelmonem R.M, and Mahmoud E. A.**“Choosing the Optimum Calibration Curve in a Case of Splitting the Data Set”** , Alexandria Engineering J Vol.. 46, No. 5, 2007
13. Mostafa, N. A., Abdelmonem, R. M, Mohammad, and Monazie, A. M. **“Optimization studies on acid hydrolysis of cellulosic wastes”**, 1st international conference on

materials science & technology, National research center, Cairo, Egypt, 2- 4 December 2007.

14. Mostafa, N. A., Abdelmonem, R. M, Mohammad, and Monazie, A. M., “**Kinetic and optimization studies on acid hydrolysis of cellulosic wastes**”, 2nd International Laboratory Technology Conference, State of Qatar, October 8-12, 2011
15. El-Geundi M. S. and Abobeah R. M. A. , “**Modeling of Adsorption Isotherms of Pesticides Onto Natural Clay**”, Bulletin of the Faculty of Eng., El-Minia University, Vol. 33, No. 1, pp. 133-147, January, 2014.
16. Altaher, H., Khalil, T. E., Abubeah, R., “**The Effect of Chemical Structure of Dyes on the Adsorption on Activated Carbon: A Comparative Study**”. Coloration Technology Journal, Vol. 130, No. 10, pp. 205 – 214, 2014,
17. Abouelsoud, A. A. , Al-Odienat Abdullah.I., Abobeah, Reda M. A. “**Adaptive Output Feedback Controller For Chemical Batch Reactor**” , Journal of control Engineering and Technology, Vol. 4, Iss. 3, pp. 205-209, 2014
18. Khalil, T. E., Altaher, H., Abubeah, R. “**Adsorption Removal of Cu(II) Ions by Date Pits: Kinetic and Equilibrium Studies**”, Environ. Eng. & Manage. J, Vol. 15, No. 12, p. 2719 – 2732, December 2016.
19. Altaher H., Tarek E. Khalil, Abubeah R., “**An Agricultural Waste As A Novel Coagulant Aid To Treat High Turbid Water Containing Humic Acids**” Global NEST Journal, Vol 18, No 2, pp 279-290, 2016.
20. Abouelsoud, A. A. , Al-Odienat Abdullah.I., Abobeah, Reda M. A. “**State Estimation of Binary Distillation Column with Unknown Feed Composition**” , Mu'tah Journal for research and studies.
21. Abubeah, R., Altaher, H., Khalil, T. E., “**Removal of Hexavalent Chromium Using Two Innovative Adsorbents**”, Environ. Eng. & Manage.Vol. 17, No. 7, P. 1621-1634, July 2018.

Certification/Professional Registration:

- Egyptian Engineering Syndicate
- SAS-AICHE (Saudi Chapter of AIChE)

Honors/Awards:

- First Class First Position in B.Sc.

Institutional / Professional Services (Last Five Years):

- Special programs coordinator, Yanbu Industrial College, KSA

Professional Meetings /Conferences/Training Attended (Last Five Years):

- “Effective Program Design and Evaluation”, conducted by Nobel Center for Comprehensive Development, YIC, KSA
- “Leadership and Management of Change in Education”, conducted by Continuing Education & Industrial Programs, YIC, KSA
- “Data Analysis Using Excel/SPSS”, conducted by Continuing Education & Industrial Programs, YIC, KSA
- “Design for Effective Learning & Teaching”, conducted in YIC in association with CPIT

Seminars/Training Programs Conducted(Last Five Years) :

- “Process Modeling, Simulation and Control for Chemical Engineers”
- MATLAB applications for Chemical Engineering

Teaching Experience:-

1. Modeling and Automatic Control (Process dynamic and control)
2. Transport Phenomena (Momentum, Heat & mass transfer)
3. Unit Operations
4. Process Instrumentation (Engineering Measurements)
5. Computer Programming (with Basic, Fortran , Turbo Pascal & Matlab)
6. Numerical method in Chemical Engineering
7. Applied Computer in Chemical Engineering
8. Chemical engineering thermodynamics
9. Principles of chemical engineering

Supervision of M.Sc

1. Pollutants assessment of surface and underground water
2. Kinetic study during adsorption using a new mixer vessel
3. Comparative studies on acid hydrolysis of cellulosic wastes
4. Studies of the characterization of some agriculture wastes utilization as low cost adsorbents
5. Comparison of extraction techniques using stirring vessel and pulsating column.
6. Extraction of lead by Di(2-ethylhexyle) phosphoric acid in kerosene from aqueous effluent”

Supervision of B.Sc projects

1. Further studies on phenol removal, 1999/2000
2. Modeling, simulation and control of liquid-liquid extraction columns, 2000/2001
3. Automatic tuning, dynamic modeling and control of pH, 2001/2002
4. Theoretical analysis and control of a chemical reactors, 2002/2003
5. Modeling and optimal control of a continuous stirred tank reactor (CSTR), 2004/2005.

قائمة الاستشارات و سابقات الاعمال:

- استشاري تقييم الأثر البيئي بوزارة البيئة (رقم القيد /١٤٩/٣١/٢٠١٧)
- تقييم الأثر البيئي (دراسة ب محدد) للمشروعات التالية:
- ١- مأخذ محطة المياه لقرية ابشادات - مركز ملوي - (اكتوبر ٢٠١٦)
 - ٢- مأخذ محطة المياه لقرية نزلة البدرمان - مركز ديرمواس - (نوفمبر ٢٠١٦)
 - ٣- مأخذ محطة المياه لقرية الفرجاني - مركز بني مزار - (نوفمبر ٢٠١٦)
 - ٤- مأخذ محطة المياه لقرية بني عامر - مركز العدو - (نوفمبر ٢٠١٦)
 - ٥- توسعات شركة اسكوم لانتاج بيكرينات الصوديوم - (ديسمبر ٢٠١٦)
 - ٦- شركة الفلوباتير لتدوير البلاستيك - المنيا (يناير ٢٠١٧)
 - ٧- مشروع نقل مخلفات الدواجن بين محافظات مختلفة (يناير ٢٠١٨)
 - ٨- مجمع سكني لعدد ٢٤٤٨ وحدة سكنية بقرية المطاهره (يوليو ٢٠١٨)
 - ٩- مشروع تطوير المرسي النهري لقرية بني حسن الشروق (اغسطس ٢٠١٨)
 - ١٠- مشروع انشاء مصنع لب الورق بالوادي الجديد (يناير ٢٠١٩)
 - ١١- منتجع لوسيندا بالسويس (ابريل ٢٠١٩)