

CURRICULUM VITAE

Name : Mamdouh M. Nassar
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E-mail : mamdouh_nassar@yahoo.com
Date of Birth : February, 1940
Nationality : Egyptian
Marital Status : Married.
Position : Emeritus Professor of Chemical Engineering, Faculty of
Engineering, Minia University

Academic Qualifications :

- 1975 Ph. D. Chemical Engineering,
Chemical Engineering Department
Technical University of Norway, Trondhiem, Norway
- 1970 Diploma in Pulping Technology, Chemical Engineering Department-
Technical University of Norway Trondhiem, Norway.
- 1967 M.Sc. Chemical Engineering, Faculty of Engineering Alexandria University,
Egypt.
- 1963 B.Sc. Chemical Engineering, Faculty of Engineering Alexandria University,
Egypt.

Professional Record:

1. B.Sc. Chemical Engineering, 1963, Alexandria University, Egypt.
2. From 1963-1968, Senior Engineering at “Rakta-Pulp and Paper Mill”
Alexandria, Egypt.
3. From 1968-1973, Specialist Engineering at “Rakta-Pulp and Paper Mill”
Alexandria, Egypt.
4. M.Sc. Chemical Engineering, 1967, Alexandria University, Egypt.
5. Diploma in Pulping Technology, 1970, Technical University of Norway.
6. Ph.D. in Chemical Engineering, 1975, Technical University of Norway, Norway.

7. Lecturer in Chemical Engineering Dept., Faculty of Engineering, Minia University, Egypt, 1976.
8. Visiting Professor from August to October 1979, Chemical Engineering Department, Texas A & M University, Texas, USA.
9. Assistant Professor in Chemical Engineering Department 1980, Faculty of Engineering, Minia University, Egypt.
10. Visiting Professor from 1981-1983, Chemical Engineering Department-Center for Energy Study, Technical University of Nova Scotia, Canada.
11. Professor of Chemical Engineering, 1984, Faculty of Engineering, Minia University, Egypt.
12. Vice Dean of Student Affairs, from 1983-1986, Faculty of Engineering, Minia University, Egypt.
13. Head of Chemical Engineering Department, from 1984-1985, Faculty of Engineering, Minia University, Egypt.
14. Professor of Chemical Engineering at Jordan, University Jordan, 1986-1987.
15. Joint Supervision (Channel System) with Queen's University, Belfast for Ph. D. studies through years, 1984-1986; and 1988-1990.
16. Vice Dean of Student Affairs, and Professor of Chemical Engineering, Faculty of Engineering, Minia University, Egypt from 1989 to 1992.
17. Professor of Chemical Engineering at UAE University, Al-Ain, United Arab Emirates 1992-1996.
18. Professor of Chemical Engineering at Chem. Eng. Dept., Minia University, Egypt, from 1996-1997.
19. Head of Chemical Engineering Dept., from 1997-2000.
20. Emeritus Professor since 2000.
21. Head of the Center for Future Studies, Minia University, 2001-2007.
23. Manager of the Quality Assurance Project, Faculty of Engineering, 2003-2006.
24. Manager of the Quality Assurance and Accreditation Center, Minia University, 2006-2007.
25. Member of Scientific Committee for promotion of Professor and Assistance Professor since 2008 until now.

AWARDS RECEIVED:

1. Research Fellowship, Chemical Engineering Dept., Texas A&M University, U.S.A., August-October 1979.
2. Research Fellowship, Center for Energy Study, Technical University of Nova Scotia, Canada, 1981-1983.
3. Egyptian State Incentive Price (Engineering)-1984.
4. First Class Medal of Science & Art-1985.
5. Selected among the Distinguished Egyptian Scientist in the second edition of the Ministry of Public Relations, Center of Science and Research, 1992.
6. A permanent member of the scientific committee for the promotion of the Assistant Professor, 1990-1993.
7. Egyptian State Incentive Price (Engineering)-1998.
8. A permanent member of the Scientific Committee for promotion of the Ass. Professor and Professor, 1998-2001.
9. Judging 2002 International Environmental Design Competition, March 23-26, 2002 (Head of a group), College of Engineering UAE University, United Arab Emirates.
10. Referee of proposals submitted to: ARAB SCIENCE & TECHNOLOGY FOUNDATION, Sharja-United Arab Emirates, since 2007.
11. NATO "SCIENCE FOR PEACE" Project number: 982816 "Environmental Security Enhancement through an Innovative Process for Nitrogen Removal"- Nitrogen Removing SBR in Albania and Egypt, from 2008 to 2011.
12. A permanent member of the Scientific Committee for promotion of Ass. Professor and Professor, 2010-2015.

PATENT:

"A Novel Method for Electrochemical Bleaching of Cellulosic Pulp" Patent No. 17549, January 9, 1984, Egypt.

TEACHING & ACADEMIC :

- 1- Developed courses and laboratories in various areas of Chemical Engineering including. Mass Transfer, Heat Transfer, Mass Transfer Operation, Pulping

Technology, Biochemical and Polymer Engineering, Fundamental of Chemical Engineering, and Material Science.

- 2- Participated in various faculty committees.
- 3- Participated in establishment of Pulp and Paper Dept., Sugar-Technology and Research Institute, Assiut University.
- 4- Developing and teaching courses in environmental engineering, Environmental Engineering Dept., Zagazig University.

SPECIALIZATION :

Mass Transfer, Pollution Control (Adsorption), Pulping Technology, Thermal Analysis.

ESTABLISHED SCIENTIFIC SCHOLA :

- 1- In Chemical Engineering Department, Minia University in area of basic science of Chemical Engineering (Mass Transfer, Pulping Technology, Adsorption and Thermal Analyses).
- 2- In Environmental Engineering Department, Zagazig University (Biotechnology and Industrial Wastewater Treatment).
- 3- In Sugar Technology & Research Institute, Assuit University (Pulp and Paper Technology).

REFREE OF SCIENTIFIC JOURNALS (Local, Regional & International)

- 1- ENERGY SOURCES, since 1992, USA.
- 2- ADVANCES IN ENVIRONMENTAL RESEARCH, since 1998, USA.
- 3- WATER RESEARCH, since 1999, UK.
- 4- INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, since 1999, USA.
- 5- JOURNAL OF ENVIRONMENTAL MANAGEMENT, since 2004, USA.
- 6- COLLOID AND SURFACE: Physicochemical and Engineering, since 2005.
- 7- INTERNATIONAL JOURNAL OF ENVIRONMENTAL AND ENGINEERING, since 2005.
- 8- CLEAN-SOIL, AIR, WATER, since 2007.
- 9- Chemical Engineering Journal, since 2009.

PUBLICATION

PROF. DR. MAMDOUH M. NASSAR

1. M.A. El-Taraboulsy and M.M.Nassar
"Lignin derevatives from desilicated Rice Straw Soda black liquor"
Indian Pulp & Paper, 13 (5) 3-12 (1979).
2. G. H. Sedahmed, H. Farag, M. M. Nassar and O. A. Fadali
"Mass Transfer Enhancement by Gas Stirring in the Extraction of Copper by Naphthenic Acids"
29th Canadian Chemical Engineering Conference-Sarine Ontario. **September (1979).**
3. M. Asfour and M. M. Nassar
"High yield Rice-Straw Pulp"
TESCE, 4, 4, 1-19 (1979).
4. M. A. El-Taraboulsi and M. M. Nassar
"Lignin Derivatives from Desilicated Rice Straw Soda Black Liquor"
Paperija puu--Papper och Tra (Paper and Timber) 10, 589-592 (1980).
5. Mamdouh M. Nassar
"Effect of Beating on Cationic Demand for Cellulosic Fine Materials"
Chemical Era. 7, 175-178 (1980).
6. Mamdouh M. Nassar
"External Treatment of Nonwood Pulp Mill Effluent"
1st Egyptian Conference in Chemical Engineering, March (1980).
7. M. Asfour, M. Wahhab, and M. M. Nassar
"Some Non-Conventional Energy Resources"
1st Egyptian Conference in Chemical Engineering, March (1980).
8. Mamdouh M. Nassar and Olfat A. Fadali
"Utilization of Lignin-Sludge from Rice Straw Soda Black Liquor"
International Symposium on Management of Industrial Wastewater in the Developing Nations, Alex. Egypt March 28-31 (1981).
9. Mamdouh M. Nassar
"Studies on Anisotropy and Hygroexpansivity of Paper"
Cellulose Chemistry and Technology 15, 373-380 (1981).
10. G. A. Sedahmed, M. Asfour, M. M. Nassar, and O. A. Fadali
"The Effect of Drag Reducing Polymers on the Rate of Mass Transfer in Electrochemical Machining"
Corrosion Science, 22, 807-812 (1982).
11. M. Asfour, M. Wahhab, M. M. Nassar and S. S. Wahid

"New Solids for Solar Heat Storage"
Alternative Energy sources IV, Vol. 1, 337-355 (1982).

12. G. H. Sedahmed, M. Asfour, Mamdouh M. Nassar and O. A. Fadali
"Effect of Drag Reducing Additives on the Rate of Mass Transfer in a Parallel
Plat Electrochemical Reactor"
Journal of Applied Electrochemistry, 12, 7-11 (1982).
13. A. M. Al-Taweel, O. A. Fadali, M. M. Nassar and G. D. M. Mackay
"A Method for Determining the Settling Behavior of Dense Suspensions"
**32nd Canadian Chemical Engineering Conference, Vancouver P. C. Canada,
October 3-6 (1982).**
14. M. M. Nassar, V. Kasireddy, H. Hancock, H. A. Hamza and A. Al-Taweel
"Use of Flootation for Intensive Coal Cleaning"
**The Third District Meeting of the Canadian Institute of Mining and
Metallurgy. New Brunswick-Canada September (1982).**
15. M. M. Nassar, Olfat A. Fadali and G. H. Sedahmed
"A New Electrochemical Technique for Bleaching Cellulose Pulp"
Journal of Applied Electrochemistry 13, 663-667 (1983).
16. M. M. Nassar, O. A. Fadali and G. H. Sedahmed
"Decolonization of Pulp Mill Bleaching Effluents by Electrochemical Oxidation"
Pulp & Paper Canada 84, 95-98 (1983).
17. M. El-Taraboulsi, M. M. Nassar, and E. A. Abd El-Rehim
"Rapid Nitric Acid Cooking of Rice Straw"
J. Chem. Tech. Biotechnology. 33A, 397-405 (1983).
18. M. El-Taraboulsi, Mamdouh M. Nassar, and E. A. Abd El-Rehim
"A Modified Method of Nitric Acid Pulping and Bagasse"
J. Chem. Tech. Biotechnology. 33A, 307-396 (1983).
19. Mamdouh M. Nassar, A. M. El-Taweel, G. D. M. Mackay and A. F. McMillan
"An Electrochemical Technique for the Production of H₂, and H₂SO₄ from the
Gas Desulphurization Effluent"
Surface Technology, 20, 83-90 (1983).
20. Mamdouh M. Nassar
"Effect of Chromium Salt on the Electrochemical Bleaching of Sulfite Pulp"
Surface Technology 21, 301-307 (1984).
21. M. J. Oren, M. M. Nassar and G. D. M. Mackay
"Infrared Study of Inert Carbonization of Spruce Wood Lignin under Helium
Atmosphere"
Canadian Journal of Spectroscopy 29, 10-12 (1984).
22. Mamdouh M. Nassar, and G. D. Mackay
"Effect of Fire Retardant Chemical on Chimney Creosote Deposited"

Forest Products Journal 34, 53-56 (1984).

23. Mamdouh M. Nassar and G. D. Mckay
"Mechanism of Thermal Decomposition of Lignin"
Wood and Fiber Science 16, 441-453 (1984).
24. Mamdouh M. Nassar and O. A. Fadali
"Fuel Gas Desulphurization Electrolytic Reduction of SO₂ to Elemental sulfur"
International Society of Electrochemistry 33rd meeting. Berkeley, California, August 5-10, (1984).
25. Mamdouh M. Nassar
"Thermal Studies on Kraft Black Liquor"
Journal Chem. Tech. Biotechnical 34A, 21-24 (1984).
26. Mamdouh M. Nassar and O. A. Fadali
"Morphological Study and Fiber Length Distribution of Sugarcane"
Indian Pulp & Paper 5, 17-20 (1984).
27. Mamdouh M. Nassar, and G. D. Mckay
"Studies on Mechanism of Flame Retarding"
Thermochemica Acta, 18, 9-14 (1984).
28. I. Ismail, Mamdouh M. Nassar and O. A. Fadali
"On Corrosion and Electrochemical Characteristics of some Previskites"
8th International Congress, CHISA 84, Prague-Czechoslovakia. (1984).
29. Mamdouh M. Nassar
"Kinetic Studies on Thermal Degradation of Nonwoody Plants"
Wood and Fiber Science 17, 266-273 (1984).
30. Mamdouh M. Nassar
"Electrochemical Bleaching-a NOVEL method for bleaching Kraft and Sulfite Pulps"
J. of Pulp and Paper Science 11, 17-21 (1985).
31. M. Asfour, O. A. Fadali, M. M. Nassar and M. S. El-Geundi
"Equilibrium Studies on Adsorption of Basic Dyes on Hardwood"
J. Chem. Tech. Biotechnology 35A, 21-27 (1985).
32. M. Asfour, M. M. Nassar, O. A. Fadali and M. S. El-Geundi
"Colour Removal from the Textile Effluents Using Hardwood Sawdust as an adsorbent"
J. Chem. Tech. Biotechnology, 35A, 28-35 (1985).
33. M.M.Nassar, G.D.Mecky
"Studies on mechanism of flame retardation in wood"
Wood and Fiber Science, 17 (4) 439-443 (1985).
34. Mamdouh M. Nassar, Ali Bolgousi and G. D. Mckay

"Effect of Inorganic Salts on Product Composition during Pyrolysis Black spruce"
Wood and Fiber Science 18, 3-10 (1986).

35. M. M. Nassar, O. A. Fadali and M. Z. Ebrahim
"Studies on SO₂ Removal from Effluents using an Electrochemical Fluidized Bed"
2nd Arab Regional Conf. on Sulphur and Its Usages, Saudi Arabia Vol. II, PP 301-305, (1985).
36. Mohsen Akel, M. Z. Ebrahim and Mamdouh M. Nassar
"Secondary Nucleation Rate of Sodium Chloride in Different Stirring Conditions"
J. Crystal Growth 78, 528-532 (1986).
37. G. H. Sedahmed, I. A. Mansour, O. A. Fadali, M. M. Nassar, and M. M. El-Shayeb
"Effect of Drag-Reducing Polymer on the Rate of Mass Transfer in Fixed-Bed Reactors"
J. Applied Electro 17, 583-588 (1987).
38. M. M. Akl and M. M. Nassar
"Power Consumption in Isothermal Crystallizer of Sodium Chloride Under Different Stirring Conditions"
Second Mina Conference on Energy and its Application" Faculty of Engineering, Minia University, Egypt 12-14 Jan (1988).
39. I. A. Mansour, O. A. Fadali, M. M. Nassar, and E. E. Ibrahim
"A thermodynamic Study of the Solvent Extraction of Proton Ionization of the P-ethoxyanilinium ion"
Second Minia conference on Energy and its applications. Faculty of Engineering, Minia University, Egypt, 12-14 Jan (1988).
40. G. Mckay, M. El-Geundi and M. M. Nassar
"Equilibrium Studies during the Removal of Dyestuffs from Aqueous Solutions Using Bagasse Pith"
Wat. Res. 21, 1513-1520 (1987).
41. Mamdouh M. Nassar and Noman Haimour
"External Treatment of Cardboard Mill Effluent"
Bulletin of the Faculty of Engineering and Technology-Minia University, 7, 1 (1988).
42. Mamdouh M. Nassar, Olfat A. Fadali and A. M. El-Kersh
"Flow Behavior Index of Coal-Water Mixture" Bulletin of the Faculty of Engineering & Technology, Minia University 7, 140-150 (1988).
43. G. Mckay, M. El-Geundi and M. M. Nassar
"External Mass Transport Processes During the Adsorption of Dyes onto Bagasse Pith"

Water Res. 22, 12, 1527-1533 (1988).

44. Mamdouh M. Nassar, Olfat A. Fadali and G. H. Sedahmed
"Effect of Drag Reducing Polymer on the Rate of Cementation of Copper from dilute Solutions on Rotating Zinc Cylinder."
Metalkund, 60-62 and 80 (1989).
45. M. Akel and M. M. Nassar
"The Influence of Impurities and Suspension Density on the Crystallization of Potassium Chloride"
Bulletin of the Faculty of Engineering & Technology, Minia University (1990)
46. Mohsen Akel and Mamdouh M. Nassar
"The Influence of Surfactants on the Performance of Air Crystallizer"
Bulletin of the Faculty of Engineering & Technology, Minia University 9, 1, 39-48 (1990).
47. Mamdouh M. Nassar, Olfat A. Fadali and Mohsen M. Akel
"Industrial Adsorption Under the Aspect of Energy for Different Stirring Conditioned"
Bulletin of the Faculty of Eng. & Tech., Minia University, 9, 1, 93-108 (1990).
48. Mamdouh M. Nassar and M. S. El-Geundi
"Dimensionless Mass Transfer Correlations during the Adsorption of Dyestuff and Onto Bagasse Pith"
Bulletin of the Faculty of Engineering & Technology, Minia University, 9, 126-141 (1990).
49. Mamdouh M. Nassar
Thermal Decomposition of Agricultural Residue"
World Conference on Flammability and Flame Retardants. Vienna-Austria, May (1990).
50. Mamdouh M. Nassar and Norman Haimour
"Studies on Water Conservation Cardboard Factories"
2nd Cairo International Symposium on Renewable Energy Sources, P. 307-316, Cairo, Egypt 1-4 October, (1990).
51. G.Mckay, M.S.El-Geundy, M.Z.Abdel Wahab, M.M.Nassar
"An analytical two resistance mass transfer model for dye adsorption on bagasse pith"
Pertanika 13 (3) 395-404 (1990).
52. M. Akel and Mamdouh M. Nassar
"Influence of impurities and suspension density on the crystallization of potassium chloride"
Chemical & Engineering Technology 63, 9, 935-939 (1991).

53. Mamdouh M. Nassar and M. S. El-Geundi
"Comparative cost of the color removal from textile effluents using natural adsorbents"
J. Chem. Tech. and Biotechnology, 50, 257-264 (1991).
54. Gordon Mckay, B. Al-Duri, Mamdouh M. Nassar and Yehia Magdy
"Adsorption of dyes into Bagasse Pith-capacity and preliminary Economic Studies"
3rd International Symposium on Industry and Environment in the developing World, Alexandria, Egypt, June (1991).
55. B. Al-Duri, Gorodon Mckay, Mamdouh M. Nassar and Yehia Magdy
"The Fixed Bed Adsorption of Dyestuffs from Effluents Using Bagasse pith"
3rd International Symposium on Industry and Environment in the Developing World, Alexandria, Egypt, June (1991).
56. Mamdouh M. Nassar
"Equilibrium Studies on the Adsorption of Glycine on Resin"
Adsorption Science & Technology, 8, 86-94 (1991).
57. Mckay, G., Magdy, Y., Nassar, M. M. and Al. Duri, B.
"The Use of Bagasse Pith for Dye Removal from Effluent by Adsorption"
1st Irish Environmental Researchers Colloquium, Regional College Silgo, 11-13 th Jan. PP. 19-31 (1991).
58. B.Al Duri, Y.Magdy and M.M.Nassar
"Application of the bed depth service time model to fixed bed adsorption of basic Dyes onto bagasse pith"
3rd International Symposium on industry and Environment in developing World, 1991.
59. B.Al Duri, Y.Magdy and M.M.Nassar
"Adsorption of dyes onto bagasse pith, capacity and preliminary economic studies"
3rd International Symposium on Industry and Environment in Developing World, 1991.
60. Mamdouh M. Nassar
"Role of cellulosic fines in short fibered pulps"
The 4th Symposium, towards a new and developed Chemical products- Minia Univ., Faculty of Eng., April (1992).
61. Mamdouh M. Nassar
"Behavior of fibers on P.M. from head box to reel"
The 4th Symposium, towards a new and developed Chemical Products- Minia Univ., Faculty of Engineering, (1992)
62. S. Hawash, H. El-Abd, M. S. El-Geundi, M. M. Nassar and J. Y. Farah
"Useful Adsorption Equilibriums by Means of Natural Clay"
Adsorption Science & Technology, 9, 4, 231-243 (1992).

63. S.Hawash, H.El-abd, M.S.El-Geundi, M.M.Nassar and J.Y.Farah
"Useful adsorption equilibrium by means of natural clay"
Adsorption Science & Technology, 9, 4,231-243 (1992).
64. A. Talaat El-Mallah, M. Hassib Abbas, Mamdouh M. Nassar, I. Hamed Aly, M. Mekhaeel Younan and M. Reda Gad
"Electroless Nickel-Phosphorous-Boron Alloys. Part I: Plating Bath"
Metal Finishing, 19-21, May (1993).
65. A. Talaat El-Mallah, M. Hassib Abbas, Mamdouh M. Nassar, I. Hamed Aly, M. Mekhaeel Younan and M. Reda Gad
"Auto Catalytic (Electroless) Nickel-Phosphorous-Boron Alloys, Part II: Some Practical Aspect"
Metal Finishing, 47-5 July (1993).
66. Mamdouh M. Nassar and Noman Haimour
"Studies on Water Conservation for Jordan Paper and Cardboard Factories"
Energy Sources, 15, 491-497 (1993)
67. M. A. Khattab, A. Y. Hosny, M. M. Nassar and M. El-Guendy
"Thermal Studies of Some Dye-Adsorbent Materials"
Energy Sources, 15, 505-512 (1993).
68. Mamdouh M. Nassar and Olfat A. Fadali
"Reduction of Anodic Dissolution of Copper in Phosphoric Acid by Organic Polymers"
The First UAE University Symposium of Material Science, Al-Ain, Dec. 63-67, (1993).
69. Mamdouh M. Nassar and Mohamed E. Issa
"Corrosion of Reinforcing Steel in Concrete at Different Temperatures"
First International Conference on Reinforced Concrete Materials in Hot Climates-United Arab Emirates University, Al-Ain, UAE, April, 615-625 (1994).
70. Mamdouh M. Nassar
"Adsorption Using Gas and Mechanical Stirring"
International Meeting of Chemical Engineering and Biotechnology-ACHEMA 94, Frankfurt, Germany, 5-11 June, (1994).
71. Mamdouh M. Nassar and M. S. El-Geundi
"Studies of the Dimensionless Mass-Transfer Coefficient during the Adsorption of Basic and Acid Dyes onto Bagasse Pith"
Adsorption Science & Technology, 11, 3, 73-81, (1994).
72. Mamdouh M. Nassar, F. Hamoda, and G. Radwan
"Adsorption Equilibrium of Basic Dyestuff onto Palm-Fruit Bunch Particles"
The Second Middle East Conference on Wastewater Management, Cairo-Egypt, P. 47-52, March, (1995).

73. Mamdouh M. Nassar and Y. H. Magdy
"Gas Stirring for Removal of Basic Dyes by Adsorption on Natural Clay"
The Second Middle East Conference on Wastewater Management, Cairo-Egypt, P. 77-84, March, (1995).
74. Mamdouh M. Nassar, M. F. Hamoda and Gamil H. Radwan
"Utilization of Palm-Fruit Bunch Particles for the Adsorption of Dyestuff Wastes"
Adsorption Science & Technology, 13, 1, 1-6 (1995).
75. Mamdouh M. Nassar, M. F. Hamoda and G. Radwan
"Adsorption Equilibria of Basic Dyestuff onto Palm-Fruit Bunch Particles"
Water Science & Technology, 32, 11, 27-32 (1995).
76. Mamdouh M. Nassar, Ashour E.A. and Magdy Y. H.
"Dye adsorbent bagasse, a new potential source for energy conversion".
Proceeding of the 5th Int. Conf. on Energy and Environment, Cairo-Egypt, 993-1001(199).
77. M. F. Hamoda and Mamdouh M. Nassar
"Enhancement of Green Waste Composting by Addition of Polymeric Wetting Agents"
International Symposium on Environmental Biotechnology, Boston, Canada, July 15-20, (1996).
78. Olfat A. Fadali and Mamdouh M. Nassar
"Electrochemical Decolourization of Waste Solutions Containing Basic Dyes"
CHISA 96, Prah-Czechoslovakia, August, (1996).
79. Mamdouh M. Nassar, Eman A. Ashour and Seddik S. Wahid
"Thermal Characteristics of Bagasse"
J. of Applied Polymer Science, 61, 885-890 (1996).
80. G. Mckay, M. El Geundi and M. M. Nassar
"Pore Diffusion during the Adsorption of Dyes onto Bagasse Pith"
Trans I Chem E, 74, 277-288 (1996).
81. Gamil M. H. Radwan and Mamdouh M. Nassar
"Desulfurization of Um Al Nar Refinery Straight Run Kerosene and Gas Oil Using Palm Fruit kernel activated Charcoal"
Adsorption Science & Technology, 15, 4, 311-321 (1997).
82. Gordon Mckay, Mohammed El-Geundi and Mamdouh M. Nassar
"Equilibrium Studies for the Adsorption of Dyes on Bagasse Pith"
Adsorption Science & Technology, 15, 251-270 (1997).
83. Mamdouh M. Nassar
"The Kinetics of Basic Dye Removal Using Palm-Fruit Bunch"
Adsorption Science & Technology, 15, 8, 609-617 (1997).

84. Gordon Mckay, Mohammed El-Geundi and Mamdouh M. Nassar
"Adsorption Model for the Removal of Acid Dyes from Effluent by Bagasse Pith Using a Simplified Isotherm"
Adsorption Science & Technology, 15, 737-751 (1997).
85. Mamdouh M. Nassar and Yehia H. Magdy
"Removal of different basic dyes from aqueous solutions by adsorption palm-fruit bunch particles"
Chemical Engineering Journal, 66, 223-226 (1997).
86. Mamdouh M. Nassar
"The effect of environmental temperature on the corrosion of reinforced concrete"
Corrosion Prevention & Control, 44, 6, 167-172 (1997).
87. Mamdouh M. Nassar, Olfat A. Fadali, Mohamed A. Khattab and Eman A. Ashour
"Thermal Analysis of Paper Treated with Flame-Retardant"
Materials and Fire-5th Arab International Conference on Materials Science, Alex.-Egypt, March (1998).
88. Mamdouh M. Nassar, Olfat A. Fadali and Eman A. Ashour
"Thermal Analysis of Bagasse Kraft Black Liquor"
Materials and Fire-5th Arab International Conference on Materials Science, Alex.-Egypt, March (1998).
89. Mamdouh M. Nassar, Eman A. Ashour and M. M. El-Shayeb
"Kerosene Desulphurization by Adsorption with Plant Waste Materials"
Cairo International Conference on Energy and Environment, Cairo-Egypt, May (1998).
90. Mamdouh M. Nassar
"Energy Consumption and Mass Transfer during Adsorption Using Gas and Mechanical Stirring Systems"
Water Research, 32, 3071-3079 (1998).
91. Ashour E.A. Magdy Y.M. and Nassar M.M.
"Thermal treatment of waste produced from petroleum refiners:
Al-Azhar Engineering 5th International Conference, 19-22 Dec. (1997), vol.9, Cairo, Egypt.
92. Mamdouh M. Nassar
"Intraparticle Diffusion of Basic Red and Basic Yellow Dyes on Palm Fruit Bunch"
The Third Middle East Conference on Marine Pollution and Effluent Management, Kuwait, (Nov. 1998).
93. Mamdouh M. Nassar

"Effect of Colored Bodies and Heavy Metals on Marine Life and Methods of Removal"
The Third Middle East Conference on Marin Pollution and Effluent Management, Kuwait, (Nov. 1998).

94. Mamdouh M. Nassar
"Thermal analysis of bagasse and rice straw"
Energy Sources, 20, 831-837 (1998).
95. Mckay G., Yee T.F., Nassar M.M., and Magdy Y.
"Fixed-bed adsorption of dyes on bagasse pith"
Adsorption Science & Technology, 16, 623-639 (1998).
96. M.M.nassar
"Thermal analysis kinetics of bagasse and rice straw"
Energy Source, 21 (1-2) 131-137 (1999).
97. Mamdouh M. Nassar, Olfat A. Fadali, Eman A. Ashour and Taha E. Farag
"Heat and Momentum Transfer Parameters of Bagasse Black Liquor"
Alexandria Engineering Journal, vol., 38, D 17-D30Jan, (1999).
98. Mamdouh M. Nassar, Olfat A. Fadali, Mohamed A. Khatab, and Eman A. Ashour
"Thermal Studies on Paper Treated with Flame-Retardant"
Fire and Materials 23, 125-129 (1999).
99. Osama M.M., Eman A. Ashour and Mamdouh M. Nassar
"Soda Black Liquor, Lignin and Oil-Waste as concrete Additive"
1st Minia Int. Conf. for Advanced Trends in Engineering, Faculty of Engineering, Egypt, 75-85 (1999).
100. Hashem M.A., Nassar M.M., and Mahdy M.A.
"Agriculture residue as sedimentation aid for treatment of Uranium ore"
1st Minia Int. Conf. for Advanced Trends in Engineering, Faculty of Engineering, Egypt, 86-91 (1999).
101. Mamdouh M. Nassar, and Yehia H.M.
"Mass transfer during adsorption of basic dyes on clay in fixed bed"
Indian Chem. Eng. 41, 31-34 (1999).
102. Mamdouh M. Nassar
Intraparticle Diffusion of Basic Red and Basic Yellow Dyes on Palm Fruit Bunch"
Water Science and Technology. 7, 133-139 (1999).
103. Mamdouh M. Nassar, Olfat A. Fadali, Reda A.A.
"Gas stirring technique for adsorption of basic dyes onto montmorillonite clay"
Sustainable Energy and Environmental Technology-Asian Pacific Conf., Ed., Hu and Yue, World Scientific Publisher, Hong Kong pp.479(2001).

104. Mamdouh M. Nassar
“Low cost adsorbent for treatment liquid effluents”
The Transaction of the Egyptian Society of Chem. Eng., 27, 460-473(2001).
The Sixth International Congress of Chemical Engineering “Towards a developing chemical industry Friendly to Environment” Egyptian Society of Engineering, Cairo, October 16-19, 2001
105. Mamdouh M. Nassar
“Thermal studies of Agricultural Residues”
2nd Minia Int. Conf. for Advanced Trends in Engineering, Faculty Of Engineering, El Minia, Egypt, (7-9 Apr. 2002).
106. Mamdouh M. Nassar, Abd El Hakim Difullah, Yehia H. Magdy and Ebrahiem E. Ebrahiem
“Uptake of Cationic Dyes by Cement Kiln Dust: Sorption Mechanism and Equilibrium Isotherm”
Adsorption Science & Technology, 20, 657-668 (2002).
107. Mamdouh M. Nassar
“Fillers Contra Cellulosic Fines in Short Fibered Pulps”
Training Workshop on: Utilization of by-products and Waste Materials in the Sugar Industry – Sugar Technology Research Institute, Assiut University and Arab Industrial and Mining Organization, Assiut-Egypt, October 2002.
108. Mamdouh M. Nassar
“Fiber Length Distribution and Morphology of Sugar Cane”
Training Workshop on: Utilization of by-products and Waste Materials in the Sugar Industry – Sugar Technology Research Institute, Assiut University and Arab Industrial and Mining Organization, Assiut-Egypt, October 2002.
109. Mamdouh M. Nassar
“High Yield Chemi-mechanical Pulp from Bagasse for Newsprint”
Training Workshop on: Utilization of by-products and Waste Materials in the Sugar Industry – Sugar Technology Research Institute, Assiut University and Arab Industrial and Mining Organization, Assuit-Egypt, October 2002
110. Mamdouh M. Nassar
“Studies on Internal and External Water Treatment of a Paper and Cardboard Factory”
J. Chem. Tech. and Biotech. 78, 572-576(2003).
111. Mamdouh M. Nassar, Kamal T. Awida, Ebrahiem E. Ebrahiem, Yehia H. Magdy and Mansour H. Meheadi
“Fixed-bed Adsorption for Removal of Iron and Manganese onto Palm Fruit Bunch and Maize Cob”
Adsorption Science & Technology, 22, 161-175 (2003).

112. Mamdouh M. Nassar
"Thermal Behavior of Bagasse Kraft Black Liquor"
Energy Sources, 25, 837-844 (2003).
113. Mamdouh M. Nassar
"High Yield Acid and Neutral Sulfite Cooking of Rice Straw"
Cellulose Chemistry and Technology, 37, 3-4,487-495(2003).
114. Olfat A. Fadali, Yehia H. Magdy, A.H.M. Daifullah, Ebrahiem E. Ebrahiem, and Mamdouh M. Nassar
"Removal of Chromium from Tannery effluents by Adsorption"
J. Environ. Science Health, Part A, 39, 2, 456-472 (2004).
115. Mamdouh M. Nassar, Kamal T. Ewida, Ebrahiem E. Ebrahiem, Yehia H. Magdy and Mansour H. Mheadi
Adsorption of Iron and Manganese using Low Cost Materials as Adsorbent"
J. Environ. Science Health, Part A, 39,2 ,421-434 (2004).
116. Mamdouh M. Nassar,
"Kinetic and Thermodynamic Parameters during Thermal Decomposition of Dye Adsorbent-Bagasse"
Energy Sources, 26, 1357-1362(2004).
116. Taha I. Farag, Mamdouh M. Nassar, Olfat A. Fadali and Eman A. Ashour
"Effect of heat transfer in beds packed with spherical particles"
The 7th International Congress of Chemical Engineering, Cairo-Egypt Dec. 27-29 (2004).
117. Mamdouh M. Nassar, Kamal T. Ewida, Ebrahim E. Ebrahim, Yehia H. Magdy and Mansour H. Maheadi
"Adsorption of Iron and Manganese ions using low cost material"
Adsorption Science & Technology, 22 (1) 25-47 (2004).
118. Mamdouh M. Nassar
"Adsorption of Fe⁺³ and Mn⁺² from ground water onto maize cobs using batch adsorber and fixed bed column"
Separation Science and Technology, 41, 5, 943-959 (2006).
119. Mamdouh M. Nassar, Taha E. Farag and Josef Y. Farah
"Gas sparged adsorber for decolourization dye effluent"
Eurasian Chem. Tech Journal, 9, 147-152 (2007).
120. Mamdouh M. Nassar, Farag T. E. and El-Halwany
"Rheology and viscosity of bagasse black liquor"
Alexandria Engineering journal, 46,975-982 (2007).
121. Mamdouh M. Nassar, Ebrahiem E. Ebrahiem, and Nawaf M. Al Mutairi
"Mass Transfer at Different Impellers of Rectangular-Vessel in Presence of Suspended Solids and Drag Reducing Polymer"

The 3rd International Conference of Engineering Research, National Research Center-Cairo, Egypt .Mach 24-26, 2008.

122. Mamdouh M. Nassar, ElKerch A.M., EbrahiemE., Mohamed S. M.
"Mixing and flow visualization in agitated vassals of different geometries"
The 8th International Conference of Chemical Engineering, Cairo, Nov. 2008.
123. Mamdouh M. Nassar, Magdy Y. H., Daifullah A. and Kelay H.
"Mass transfer and adsorption kinetics of phenolic compounds onto activated carbon prepared from rice husk"
Adsorption Science & Technology, 26, 157-167, 2008.
124. Ahmed M. Awad, Montasser Y. Ghaly, Ebrahim E. Ebrahim, Mamdouh M. Nassar and Haidy S. Bacily
"Electrochemical degradation of recalcitrant organic compounds of cosmetic wastewater"
TESCE 35, 3, 2009.
125. Mamdouh M. Nassar, Nabil Nagy Atta and Rabbab Wagdi
"Electrochemical Oxidation and Electrocoagulation of Azo dye by using Rotating Lead and Aluminum Anodes"
Bulletin of Faculty of Engineering, Minia University 29, 1, 24-37 (2010).
126. Mamdouh M. Nassar, Nabil Nagy Atta and Rabbab Wagdi
"Decolorization of Azo dye using a Fixed Bed Electrochemical Anode"
Bulletin of Faculty of Engineering, Minia University 29, 1, 38-53 (2010).
127. Mamdouh M. Nassar, Ebrahiem E. Ebrahiem, Gamal Ali Abu-elmagd, Abdalla Mohy El-dein, Nabbila shehate A. and Maysa A. Abd-elkader
"Study of a sequencing batch reactor treating municipal wastewater using PND Process"
1st International Conference & Exhibition, Sustainable Water Supply and Sanitation, CAIRO 2010.
128. M.S.El-gendi, M.M.Nassar, T.E.Farag and M.H.Ahmed
"Removal of an Insecticide (Methoml) from aqueous solution using natural clay"
Alexandria Engineering Journal, 51, 11-18 (2012).
129. T.E.Farag and M.M.Nassar
"Kinetic and processing design for adsorption of Maxilon Red Dye from aqueous Solutions using gas mixing"
6th International Conference on Chemical and Environmental Engineering, Military Technical College, Cairo-Egypt, 29-31 May (2012).
130. Mamdouh M. Nassar, M.S.El-geundy, and Abdelrakib A. Al-wahabi
"Equilibrium modeling and thermodynamic parameters for adsorption of cationic Dyes onto Yemen natural clay"
Desalination and Water Treatment, 44, 340-349 (2012).
131. Mamdouh M.Nassar, M.S.El-Geundy and Abdelrakib A.Al-wahabi

"Enhancing Adsorption of Dyes onto Clays in Bubble Adsorber"
Adsorption Science & Technology, Vol. 30 No. 7,567-577 (2012).

132. Mamdouh M. Nassar, Khiary M. Hassan, Taha E.M.Farag, Shazly A. Abd El-Rahman and Hamdy A. Mohamoud
"Study the effect of addition ammonium thiocyanate salt on viscosity of Black liquor from Kraft pulping process from bagasse"
International Conference on: New Role of the World Economy in a Changed Political and Economic Environment, Aswan-Egypt, 10-13 2012.
133. M.S.El-geundy, M.M.Nassar, T.E.Farag and M.H.Amed
"Methomyl adsorption onto cotton stalks activated carbon: equilibrium And process design"
Procedia Environmental Science, 17,630-693 (2013).
134. Taha Abdelallim A., Moaded Motlak, M.M.Nassar, M.S.Mahmoud, and A.M.Barakat
"Novel Zn,Fe-doped TiO₂ Nanofibers as Effective Photocatalysts for Water Photo-splitting"
The international textile conference 2013. Commemorating the 50th Anniversary The Korean Fiber Society.
135. Mamdouh M. Nassar, Taha E.Farrag, Mohamed S. Mamoud and M.H.ahmed
"Kinetic modeling for uptake pesticide (Methomyl) from aqueous solutions using Cotton Stalks Activated carbon (CSAC)"
Proceeding of the ICOEST, Nevsehier, Turkey, June 18-21 (2013).
136. N.A.M. Barakat, M.M.Nassar, T.E.Farag and M.S.Mahmoud
"Effective photodegradation of methomyl pesticide in concentrated solutions by Novel enhancement of the photocatalytic activity of TiO₂ using CdSO₄"
Environmental Science Pollution Research, 21 (2) 1425-1435 (2014).
137. Nasser A.M. Barakat, Ahmed Taha, Moaded Motlak, Mamdouh M. Nassar, M.S.Mahmoud, Salem S. Al-Deyab, Mohamed El-Newehy, Hang Yong Kim
"ZnO&Fe₂O₃ incorporated TiO₂ nanofibers as super effective photo-Catalyst for water splitting under visible light radiation"
Applied Catalyst A: General 481, 19-26 (2014).
138. Fadali O.A., Nassar M.M., Ebrahim E.I., Shehata N.
"Effect of lag-phase in the transition from oxic to noxic conditions On the performance of the sequencing batch reactor"
International Journal Innovation and Applied Studies 7 (1) 393-400 (2014).
139. Nasser A. M. Barakat, Moaded Motlak, M.M. Nassar, Mohammad Ali Abdelkareem. M.S. Mahmoud, Mohamed H.El-Newehy and Hager M. Moustafa

“From Secondary to Primary Role in Alkaline Fuel Cells: Co-Decorated Graphene as Effective Catalyst for Ethanol Oxidation”
ECS Electrochemistry Letters 4 (1) F5-F8 (2015).

140. Nassar M.M., Farrag T.E., Mahmoud M.S. and Abdelmonem S.
“Morphology-controlled CaCO₃ nanostructures by modified co-precipitation in pulsed mode”
Applied Mechanics and Materials vol.752-753, 148-154 (2015).
141. Mamdouh M. Nassar, Abd El Hakim daifullah, Josef Y. Farah and H. Kelany
“Air Stirring for Adsorption of Hexavalent Chromium on Chitosan”
International Journal of Science & Engineering Research, vol.6, Issue 2, 190-198 (2015).
145. Mamdouh M. Nassar, A.A. Daifullah, H. Kelany and Josef Y Farah
“Mass transfer study for the adsorption of hexavalent chromium Using gas stirring”
International Journal of Science & Engineering Research, vol. 6, Issue 4, 826-833 (2015).
146. M. M. Nassar, T.E. Farag, M.S. Mahmoud, S. Abdelmone, Khalil Abdelrazek Khalil, Nasser A.M. Barakat
“Influence of the operating conditions on the morphology of CaCO₃ Nanoparticle prepared by modified co-precipitation with pulse mode Feeding”
Advanced Powder Technology 26, 914-919 (2015).
147. Nasser A.M. Barakat, Hajer moustafa, M.M. Nassar, Mohammad Ali Abdelkareem, M.S. Mohamad, Abdulhakim A. Almajed, Khalil Abdelrazak Khalil
“Distinct influence for carbon nano-morphology on the activity and Optimum metal loading of Ni/C composite used for ethanol Oxidation”
Electrochimica Acta 182, 143-155 (2015).
148. Nasser A.M. Barakat, Enas Ahmed, Mohammad Ali Abdelkareem, T.E. Farag, Saeed Al-Meer, Salem Al-Deeb, Khalid Elsaid, Nassar, M.M.
“Ammonium phosphate as promising hydrogen storage material”
International Journal of Hydrogen Energy 40, 10103-10110 (2015).

149. Nassar A.M.Barakat, Enas Ahmed, Mohammed Ali Abdelkareem, A.A.Fraghali, M.M.Nassar, Mohamed H.El-Newehly, Salem Al-Deyab
"Ag,Zn and Cd-doped titanium oxide nanofibers as effective Photocatalysts for hydrogen extraction from ammonium Phosphate"
Journal of Molecular Catalyst A: Chemical 409, 117-126 (2015)
150. M.M.Nassar, T.E.Farrag, M.S.Mamoud, S.Abdelmonem
"Synthesis of CaCO₃ nanostructure and its application as filler in Paper making"
The 5th International Conference on Green and Sustainable Innovation (ICGSI 2015).
151. Mamdouh M.Nassar, Mohammed A.Abdelkareem, Mohamed Mohammed S.Mahmoud and Hager M.Moustafa
"Mass transfer of electro-catalytic oxidation of ethanol on nano-Ni/ Graphene catalyst"
Minia Journal of Engineerig and Technology, 34, 1, 61-68 (2015).
152. Mamdouh M. Nassar, Abdl El Hakim Daifullah, Josef Y.Farah and H.Kelank
"Adsorption study for chromium removal using gas and mechanical Stirring systems"
The 19th International Conference on Petroleum, Mineral Resources and Development, Egyptian Petroleum Research Institute, Cairo-Egypt (22-24 Feb. 2016).
153. M.M.Barakat, M.Moaed, A.Taha, M.M.Nassar, M.S.Mahmoud, H.Fouah
"Super effective Zn-Fe dopped TiO₂ Nano fibers as photocatalyst for Ammonia borone hydrolysis"
International Journal of Green Energy 13 (7) 642-649(2016).
154. Ebrahim E. Ebrahiem, Ibrahim A. Ashour, Mamdouh M. Nassar, Abdel Aziz A,
"A comparison of natural gas dehydration methods"
Yanbu Journal of Engineering and Science, 15, 1-11 (2017)
155. Haidy S.Basily, Mamdouh M.Nassar, Guzin I.ElDiwani and Sanaa A.Abo El-elnin
"Extraction of algal lipid as a natural cosmetic component"

Egyptian Pharmaceutical Journal, 17(1) 13-22 (2018).

156. Haidy S.Basily, Mamdouh M.Nassar, Guzin I.ElDiwani and Sanaa A. Abo El-enin

“Exploration of using the algal bioactive compound for Cosmeceuticals and pharmaceutical applications”

Egyptian Pharmaceutical Journal, 26, 109-123 (2018).

157. Moustafa, Hager M Obaid, M Nassar, Mamdouh M Abdelkareem, Mohammad A Mahmoud, Mohamed S

“Titanium dioxide-decorated rGO as an effective electrode for ultrahigh-performance capacitive deionization”

Separation and Purification Technology Journal, 235, 1383-5866(2020).

158. Moustafa, Hager M Nassar, Mamdouh M Abdelkareem, Mohammad A Mahmoud, Mohamed S Obaid, M

“Synthesis and characterization of Co and Titania nanoparticle-intercalated rGO as a high capacitance electrode for CDI”

Journal of Environmental Chemical Engineering, 7, 2213-3437(2019).