

Curriculum Vitae of Amany Mohamed El-Sikaily

Date of birth: July1, 1964
Place of birth: Alexandria, Egypt
Nationality: Egyptian
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E-mail: dramany_mas@yahoo.com
Occupied position: Associate professor
Department: Marine pollution Lab., National Institute Oceanography and Fisheries, Alex

Education

1. **B Sc.** in Biochemistry with **Very good with honor** in May **1986** from Faculty of Science, Alexandria University, Egypt
2. Postgraduate courses for M. Sc. degree in Biochemistry with **Very Good** in **1987** from Medical Research Institute, Alexandria University, Egypt.
3. **M.Sc.** in Applied Medical Chemistry, **1990**, Medical Research Institute, Alexandria University.
4. **Thesis** [Biochemical and histopathological studies on the effects of some pesticides on liver and pancreas of rats]
5. **Ph.D.** of Biochemistry, 1997 from Applied Medical Chemistry Dept., Medical Research Institute, Alexandria University
Thesis [Detection of some carcinogenic aromatic amines in water environment in west industrial region of Alexandria and their effect on rats]
March 2004).

Training Courses and Workshops

1. Pesticides and PCBs determination in sediments and biota (by Danida on 1-16 May 2004).
2. Numerical analysis (by NIOF on 8-25 May 2004).
3. Training course in *the Nile Information and Education Training Center* under the title "Environmental Marine Protections and fortunes of Alexandria", 23-28 February 1991.

Present Position

Associate professor: (Since May 2004) Environmental Division, National Institute of Oceanography and Fisheries, Alexandria.

Previous position:

1. **Laboratory Analyst** (1986-1992) at Privet Clinical Laboratory
2. **Research Assistant** (1989-1990) Environmental Division, National Institute of Oceanography and Fisheries, Alexandria.
3. **Assistant Lecturer** (1990-1997) Environmental Division, National Institute of Oceanography and Fisheries, Alexandria.
4. **Researcher** (from 1996 to 2003) Marine pollution Lab., National Institute of Oceanography and Fisheries, Alexandria.
5. **Assistant professor** (1998-2003) Environmental Division, National Institute of Oceanography and Fisheries, Alexandria.

Projects

- **NIOF-EIMP** "Environmental Monitoring program project" (Two years projects 1999 and 2000) (**Duty:** Analysis of organic pollutants and write report).
- **NIOF-Environmental Division** "Monitoring of Lake Edkou (2003)" (**Duty:** Analysis of inorganic pollutants and write paper).
- **NIOF-Academic of Science and Technology** "Development of Lake Ediku and Lake Burullus" (Three years project 2003-2005) (**Duty:** Analysis of organic and inorganic pollutants)

Experiences

1. Biochemistry analysis in Privet Clinical Lab. (Hematological study, Serological tests, Microbiological studies, 6 years experience).
2. Experience in analysis of enzymes due to pesticides pollution (M.Sc. Thesis)
3. Experience in determination of aromatic amines in fish and water using colorimetric method and GC method, determination of some immunological studies, biochemical studies and histopathological studies (PhD Thesis).
4. Analysis of environmental samples for heavy metals.

5. Analysis of environmental samples for Hydrocarbons.
6. Analysis of environmental samples for pesticides and PCBs.
7. Using of Gas Chromatography for analysis of organic pollutants.
8. Using of Flame atomic absorption, Perkin-Elmer for analysis of inorganic pollutants.
9. Using of atomic absorption spectrophotometer, Varian-10 Plus for analysis of inorganic pollutants.
10. Cooperation in the analysis of all samples submitted to the central Lab. At NIOF in 2002-2003.
11. Analysis of active material in some imported food (Central Lab. NIOF).
12. Use of marine algae to remove pollutants.
13. Use of agriculture waste to remove pollutant
14. Use of personal computer in work with different programs (1 Word, 2. Excel, 3. PageMaker, 4. Statistica,).

Supervision

1. Biochemical studies on AST, ALS, Gamma-Glutamyl Transferase, Glutathion-S-Transferase and Biomonitoring of Hemoglobin- adduct in Schistosoma infected mice daily intake polluted fish. **M.Sc.**, Alexandria University 1997. **(Finished at May 2000)**
2. Risk assesment of some Aquatic Environment pollutants on local population Health. **M.Sc.**, Alexandria University 1999. **(Finished at May 2003)**
3. Heamoglobin- adducts and urinary metabolites of some aromatic amines as biomarkers of exposure. **M.Sc.**, Alexandria University 2000.
4. The biological activity resulting from the exposure to aquatic environmental genotoxic pollutants. **M.Sc.**, Alexandria University 2001.
5. Environmental influence on recurrent abortion. **M.Sc.**, Alexandria University 2003.
6. Biotechnological tools to evaluate the oxidative stress in marine environment by the transition metals. **M.Sc.**, Alexandria University 2003.

Research Interest

One of the research interests is devoted to explore novel approaches for the determination of DNA extraction and DNA damage. Determination of aromatic amines in sea water and flesh of different fish species. The distribution of Petroleum hydrocarbon, Pesticides, Polycyclic aromatic hydrocarbons, Polychlorinated biphenyls and heavy metals in the Mediterranean and Red seas (Egypt) was

investigated and correlated with pollution and environmental aspects. Removal of textile dyes from water using macro algae, very good results were noted using this method. Purification of waste water and water treatment.

List of Publications

Articles from MSc Thesis

1. Suzanne W. Skander, Hoda H. Abu Seif, **Amany El-Sikaily**, Rafic S. Girgis (1991): "Pancreatic changes accompanying the occurrence of diabetes in rats after pesticides administration with special reference to ultra structural changes" The Egyptian Journal of Medical Science, 12(2): 435-446.
2. A.A. Saad, M. A. El-Toukhy, A. S. El-Bakary, N. G. Huessin, **Amany El-Sikaily**, Rafic S. Girgis, M. I. Ramadan (1993): "Biochemical and histopathological studies on the effect of some pesticides on Pancreas of male rats" Journal of Medical Research Institute, 14(5): 75 - 89

Articles from PhD Thesis

3. Aziza A. Saad, Shehata M. El-Sewedy, Madiha M. H. Helmy, Nagwa M. Assem, Soheir R. Demain, Abu-Seif H., **Amany El-Sikaily** (1998): "Effect of polluted fish intake on interleukin 1,2 production, phagocytic function of mononuclear phagocytes and liver β -glucuronidase in rats" Journal Medical Research Institute, 19 (2): 126- 141.

Articles of Biochemistry

4. **Amany El Sikaily**, Aziza A. Saad, Mohamed N. Mowafy, Amany M. Youssef (2003): "Oxidative stress in fishermen in El-Mex Bay" Medical Journal of Cairo University, Accepted 6 September 2003.
5. **Amany El Sikaily**, Mohamed A. Abdel Mohsen, Hasham, A. Mohamed, Aziza A. Saad, Hoda A. Helmy : "Biomonitoring of exposure to aromatic amines in schistosoma infected mice fed on polluted fish" Egyptian Journal Biochemistry Received: 16/9/2003, Acceptance: 5/10/2003.

Articles published in the field of Marine Environmental Pollution with pesticides and PCBs

6. Ahmed El Nemr, T. O. Said, A. Khaled, **Amany El-Sikaily**, A. M. A. Abd-Allah (2003): "Polychlorinated biphenyls and chlorinated pesticides in mussels collected from the Egyptian Mediterranean Coast" Bull. Environ. Contamin. Toxicol. 71 (2): 290-297.
7. Ahmed El Nemr, **Amany El-Sikaily**, A. Khaled, T. O. Said, A. M. A. Abd-Allah (2003) "Polychlorinated biphenyls (PCBs) and Chlorinated Pesticides contamination in coral reef skeleton from the Egyptian Red Sea coast" Journal of King Abdulaziz University Marine Sciences. 14, 53-64.
8. Azza Khaled, Ahmed El Nemr, Tarek O. Said, **Amany El-Sikaily**, Aly M. A. Abd-Allah (2004): "Polychlorinated biphenyls and chlorinated pesticides in mussels from the Egyptian Red Sea" Chemosphere Vol. 54(10): 1407-1412.
9. Ahmed El Nemr, **Amany El-Sikaily**, A. Khaled, T. O. Said, A. M. A. Abd-Allah (2004) "Chlorinated Pesticides and Polychlorinated Biphenyls in the Coral Reef Skeleton of the Egyptian Red Sea Coast" Bull. Environ. Contamin. Toxicol. 72 (6): 1195-1202.

Articles published in the field of Marine Environmental Pollution with Petroleum Hydrocarbons

10. Ahmed El Nemr, **Amany El-Sikaily**, Azza Khaled, Ahmed El Nemr, Tarek O. Said, Aly M. A. Abd-Allah (2002): "Determination of hydrocarbons in bivalve from the Egyptian

Mediterranean Coast" Mediterranean Marine Science Vol. 3/2: 123-131.

11. **Amany El-Sikaily**, A. Khaled, Ahmed El Nemr, T. O. Said, A. M. A. Abd-Allah (2003): "Polycyclic aromatic hydrocarbons and aliphatic in the coral reef skeleton of the Egyptian Red Sea Coast" Bull. Environ. Contamin. Toxicol. Vol 71 (6): 1252-1259.
12. Ahmed El Nemr, **Amany El-Sikaily**, A. Khaled, T. O. Said, A. M. A. Abd-Alla (2004): "Determination of hydrocarbons in mussels from the Egyptian Red Sea Coast" Environ. Mon. Assess. 96 (1-3) 251-261.

Articles published in the field of Marine Environmental Pollution with Heavy Metals

13. A. Khaled, Ahmed El Nemr and **Amany El-Sikaily** (2003): "Contamination of Coral Reef by heavy metals along the Egyptian Red Sea Coast" Bull. Environ. Contamin. Toxicol. 71(3): 577-584.
14. **Amany El-Sikaily** (2004): Aromatic amine concentrations in two fish species from El-Mex bay and Eastern harbour, Alexandria, Egypt. Egypt Journal of Aquatic Biology and Fisheries, vol.8(1):101-110.
15. Ahmed El Nemr, **Amany El-Sikaily** and Azza Khaled (2003): "Heavy metals concentration in some fish tissues from south Mediterranean waters, Egypt" Egypt J. Aquat. Biol. & Fish. Vol. 7. No. 3: 155-172.
16. **Amany El-Sikaily** (2003): "Health risk assessment in relation to heavy metals pollution of western Mediterranean, Egypt" Egypt J. Aquat. Biol. & Fish. Vol. 7, N0. 4: 47-66.
17. **Amany El-Sikaily**, Azza Khaled and Ahmed El Nemr (2004): "Heavy metals monitoring using bivalves from Mediterranean Sea and Red Sea" Environ. Mon. Assess. 98 (1-3): 41-58.
18. **Amany El-Sikaily**, Azza Khaled and Ahmed El Nemr (2005) "Leachable and total heavy metals in muddy and sandy sediments collected from Suez Gulf" Egyptian Journal for Aquatic Research Vol. 31, 99-119.
19. Azza Khaled, Ahmed El Nemr and **Amany El-Sikaily** (2006) "An assessment of heavy metals contamination in surface sediments of the Suez Gulf using geoaccumulation indexes and statistical analysis" Chemistry and Ecology 22(3) 239-252.
20. Ahmed El Nemr, A. Khaled and **Amany El-Sikaily** (2006) "Distribution and statistical analysis of leachable and total heavy metals in the sediments of the Suez Gulf" Environmental Monitoring and Assessment. Vol. 118 (1-3), 89-112.

Articles published in the field of waste water treatment.

21. Ola Abdelwahab, Ahmed El Nemr, **Amany El-Sikaily**, Azza khaled (2005) "Use of rice husk for adsorption of direct dyes from aqueous solution: A case study of Direct F. Scarlet. Egyptian Journal for Aquatic Research Vol. 31 (1), 1-12.
22. Ahmed El Nemr, Ola Abdelwahab, Azza khaled, **Amany El-Sikaily** (2005) "Removal of Chrysophenine from aqueous solution by *Ulva Lactuca*" Egyptian Journal for Aquatic Research Vol. 31, 86-98.
23. Azza khaled, Ahmed El Nemr, **Amany El-Sikaily**, Ola Abdelwahab (2005) "Biosorption of Basic Blue nine from water solution by marine algae" Egyptian Journal for Aquatic Research Vol. 31, 130-141.
24. **Amany El-Sikaily**, A. Khaled, Ahmed El Nemr and O. Abdelwahab (2006) "Removal of methylene blue from aqueous solution by marine green alga *Ulva lactuca*" Chemistry and Ecology 22, 149-157.
25. O. Abdelwahab, Ahmed El Nemr, **Amany El-Sikaily**, A. Khaled (2006) "Biosorption of Direct Yellow 12 from aqueous solution by marine green algae *Ulva Lactuca*" Chemistry and Ecology 22 (4) 253-266.

Articles in Press

26. Ahmed El Nemr, Azza Khaled, **Amany El-Sikaily**, Tarek O. Said and Aly M. A. Abd-Allah (2006) "Distribution and sources of polycyclic aromatic hydrocarbons in surface sediments of the Suez Gulf" Environmental Monitoring and Assessment. **In Press.**
27. Ahmed El Nemr, Tarek O. Said, Azza Khaled, **Amany El-Sikaily** and Aly M.A. Abd-Allah (2006) "The distribution and sources of polycyclic aromatic hydrocarbons in surface sediments along the Egyptian Mediterranean coast" Environmental Monitoring and Assessment. **In press.**
28. Ahmed El Nemr, **Amany El-Sikaily** and Azza Khaled (2006) "Total and leachable heavy metals in muddy and sandy sediments of Egyptian coast along Mediterranean Sea" Environmental Monitoring and Assessment. **In press.**
29. Ahmed El Nemr, Ola Abdelwahab, **Amany El-Sikaily**, Azza Khaled (2006) "Adsorption of Direct Red 23 from Aqueous Solution Using Rice Husk Activated by Citric Acid" Environmental Science: An Indian Journal. **In press.**

Articles submitted for publication

30. Ahmed El Nemr, **Amany El-Sikaily**, Azza Khaled, Ola. Abdelwaha (2006) "Removal of toxic chromium (VI) from aqueous solution by activated carbon developed from *Casuarina Equisetifolia* Equilibrium and kinetic studies" Submitted to Chemistry and Ecology.
31. Ola Abdelwahab, **Amany El-Sikaily**, Azz Khaled, Ahmed El Nemr (2006) "Mass transfer processes of Chromium (VI) adsorption onto Guava seeds" Submitted to Chemistry and Ecology.

Articles to be submit for publication

32. O. Abdelwahab, **Amany El-Sikaily**, Ahmed El Nemr, A. Khaled (2006) "Adsorption of methylene blue on *Rice husk*"
33. A. Khaled, O. Abdelwahab, **Amany El Sikaily**, Ahmed El Nemr (2006) "The removal of Cr(VI) from aqueous solutions by *Ulva lactuca*"
34. Ahmed El Nemr, **Amany El-Sikaily**, A. Khaled, T. O. Said (2006) "Petroleum hydrocarbons in surface sediment collected from Egyptian Mediterranean coast"
35. **Amany El-Sikaily**, A. Khaled, Ahmed El Nemr, T. O. Said (2006) "Distribution of PCBs and pesticides in surface sediment from Egyptian Red Sea coast".
36. **Amany El-Sikaily**, A. Khaled, Ahmed El Nemr (2006) "Distribution of trace elements in surface sediment from Egyptian Mediterranean Coast".

International Conference

37. A. saad, H. A. Mohamed, **Amany El-Sikaily**, M. A. Abdel Mohsen "Biomonitoring of exposure to aromatic amines in schistosoma infected mice fed on polluted fish" The third International Congress of Federation of African Societies of Biochemistry and Molecular Biology, Sonesta, Cairo, Egypt, November 14-16 (2000).
38. A. Khaled, Ahmed El Nemr, **Amany El-Sikaily** "Contamination of coral reefs by heavy metals along Egyptian Red Sea Coast" The First Egyptian International Conference on Protected Areas and Sustainable Development, Sharm El Sheikh, October 23-26 (2002) p 62.
39. Ahmed El Nemr, **Amany El-Sikaily**, A. Khaled, T. O. Said, A. M. A. Abd-Allah "Polychlorinated biphenyls (PCBs) and chlorinated pesticides contamination in coral reef skeleton from the Egyptian Red Sea" The First Egyptian International Conference on Protected Areas and Sustainable Development, Sharm El Sheikh, October 23-26 (2002) p 58.
40. Ahmed El Nemr, **Amany El-Sikaily**, A. Khaled, T. O. Said, A. M. A. Abd-Allah "Determination of hydrocarbons in mussels from the Egyptian Red Sea" The First Egyptian International Conference on Protected Areas and Sustainable Development, Sharm El Sheikh, October 23-26 (2002) p 58.

41. Ahmed El Nemr, **Amany El-Sikaily**, A. Khaled, T. O. Said, A. M. A. Abd-Allah "Determination of hydrocarbons in mussels from the Egyptian Mediterranean Sea" The First Egyptian International Conference on Protected Areas and Sustainable Development, Sharm El Sheikh, October 23-26 (2002) p 59.
42. Ahmed El Nemr, A. Khaled and **Amany El-Sikaily** "Heavy metals monitoring using bivalves from Mediterranean Sea and Red Sea" Science Conference, Seiyun, Yemen, October 11-13 (2003) p 83.
43. A. Khaled, Ahmed El Nemr, T. O. Said, **Amany El-Sikaily**, A. M. A. Abd-Allah "Polychlorinated biphenyls and chlorinated pesticides in mussels from the Egyptian Red Sea coast" Science Conference, Seiyun, Yemen, October 11-13 (2003) p 89.
44. **Amany El-Sikaily (2003)** "Health risk assessment in relation to heavy metals pollution of western Mediterranean Sea, Egypt" Seventh Scientific conference of The Egyptian Society for the Development of Fisheries Resources and Human Health, Kafer El Sheakh, Egypt, October 21 -23, 2003.
45. Azza khaled, Ahmed El Nemr, **Amany El-Sikaily**, Ola Abdelwahab (2005) "Biosorption of Basic Blue nine from water solution by marine algae" The 1st International conference on aquatic resources of the Arab Region, Sheraton El Montaza, Alexandria, Egypt, 7-9th May 2005, p 38.
46. Ahmed El Nemr, Ola Abdelwahab, Azza khaled, **Amany El-Sikaily (2005)** "Removal of Chrysophenine from aqueous solution by *Ulva Lactuca*" The 1st International conference on aquatic resources of the Arab Region, Sheraton El Montaza, Alexandria, Egypt, 7-9th May 2005, p 42.
47. Ahmed El Nemr, Tarek O. Said, Azza khaled, **Amany El-Sikaily**, Fadia Abu El-Maged Mohamed (2005) "Gas-Chromatographic determination of organochlorines pesticides in bivalve using different columns and Temperature programs" The 1st International conference on aquatic resources of the Arab Region, Sheraton El Montaza, Alexandria, Egypt, 7-9th May 2005, p 108.
48. **Amany El-Sikaily**, Azza khaled, Ahmed El Nemr (2005) "Leachable and total heavy metals in muddy and sandy sediments collected from Suez Gulf" The 1st International conference on aquatic resources of the Arab Region, Sheraton El Montaza, Alexandria, Egypt, 7-9th May 2005, p 109.
49. Ola Abdelwahab, Ahmed El Nemr, **Amany El-Sikaily**, Azza khaled (2005) "Use of rice husk for adsorption of direct dyes from aqueous solution: A case study of Direct F. Scarlet" The 1st International conference on aquatic resources of the Arab Region, Sheraton El Montaza, Alexandria, Egypt, 7-9th May 2005, p 110.
50. Ahmed El Nemr, Azza Khaled, **Amany El-Sikaily** and Ola Abdelwahab (2005) "Removal of Methylene Blue from aqueous solution using activated carbon from agriculture waste" The 12 International conference for Arabian Biologist, Hodida, Yemen, November 19-24 (2005) p.
51. Azza Khaled, Ahmed El Nemr, Ola Abdelwahab and **Amany El-Sikaily (2005)** "Removal of Chromium (VI) from aqueous solution using activated carbon" The 12 International conference for Arabian Biologist, Hodida, Yemen, November 19-24 (2005) p.
52. Ahmed El Nemr, Azza Khaled and **Amany El-Sikaily (2005)** "Distribution of heavy metals in surface sediment of Suez Gulf, Red Sea" The 12 International conference for Arabian Biologist, Hodida, Yemen, November 19-24 (2005) p.
53. Ahmed El Nemr, Azza Khaled, **Amany El-Sikaily**, Tarek O. Said and Aly M. A. Abd-Allah (2005) "PAHs distribution and sources in surface sediments of the Suez Gulf, Red Sea" The 12 International conference for Arabian Biologist, Hodida, Yemen, November 19-24 (2005) p.
54. Ahmed El Nemr, **Amany El-Sikaily**, Azza Khaled, Ola Abdelwahab (2006) "Highly active

- carbon from *Casuarina equisetifolia* for removing toxic Cr(VI) from aqueous solution" Second International Conference on Materials Institute of Materials Systems "IMS" / School of Engineering American University of Sharjah – United Arab Emirates 17.
55. Ahmed El Nemr, Azza Khaled and **Amany El-Sikaily (2006)** "Assessment of heavy metals in surface sediments of the Egyptian Mediterranean Coast" International Conference on Marine Pollution in the Arab Region, Sheraton El Montaza, Alexandria, Egypt, 27-29th May 2006, p 11.
 56. Azza Khaled, Ahmed El Nemr, **Amany El-Sikaily** and Tarek O. Said (2006) "Organochlorine Pesticides contamination in Surface Sediments of Suez Gulf" International Conference on Marine Pollution in the Arab Region, Sheraton El Montaza, Alexandria, Egypt, 27-29th May 2006, p 12.
 57. Ola Abdelwehab, **Amany El-Sikaily**, Ahmed El Nemr and Azza Khaled (2006) "Biosorption of copper from aqueous solution by biomass of marine *Ulva lactuca* and its activated carbon" International Conference on Marine Pollution in the Arab Region, Sheraton El Montaza, Alexandria, Egypt, 27-29th May 2006, p 13.
 58. **Amany El-Sikaily**, Ahmed El Nemr, Tarek O. Said and Azza Khaled (2006) "Assessment of Pesticides and PCB Contamination in Surface Sediments and Fish from Egyptian Mediterranean Coast" International Conference on Aquatic Resources: Needs and Benefits NIOF, 18-21st September 2006 Alexandria, Egypt, Page 16.
 59. Ahmed El Nemr, **Amany El-Sikaily**, Tarek O. Said and Azza Khaled (2006) "Evaluation of the concentration of some persistent organic pollutants (POPs) in surface sediments of Lake Bardwell, northeast Egypt" International Conference on Aquatic Resources: Needs and Benefits NIOF, 18-21st September 2006 Alexandria, Egypt, Page 17.
 60. Ola Abdelwehab, **Amany El-Sikaily**, Ahmed El Nemr and Azza Khaled (2006) "Biosorption of Toxic Chromium from Aqueous Solutions, Saline Water and Wastewater by Inactivated Biomass of Green Alga *Ulva lactuca* and its Activated Carbon" International Conference on Aquatic Resources: Needs and Benefits NIOF, 18-21st September 2006 Alexandria, Egypt, Page 54.
 61. Ola Abdelwehab, Azza Khaled, Ahmed El Nemr and **Amany El-Sikaily (2006)** "Adsorption Kinetics for the Removal of Toxic Chromium from Aqueous Solution on the Pomegranate Husk and its Activated Carbon" International Conference on Aquatic Resources: Needs and Benefits NIOF, 18-21st September 2006 Alexandria, Egypt, Page 55.
 62. Ola Abdelwehab, **Amany El-Sikaily**, Azza Khaled and Ahmed El Nemr (2006) "Direct Yellow 12 Removal from Artificial Textile Dye Effluent by Activated Carbon Developed from Orange Peel" International Conference on Aquatic Resources: Needs and Benefits NIOF, 18-21st September 2006 Alexandria, Egypt, Page 56.
 63. Ahmed El Nemr, **Amany El-Sikaily**, Azza Khaled and Ola Abdelwehab (2006) "Removal of Hexavalent Chromium from Aqueous Solution, Wastewater and Saline Water by Inactivated Red Alga *Pterocladia Capillacea* and Its Activated Carbon" International Conference on Aquatic Resources: Needs and Benefits NIOF, 18-21st September 2006 Alexandria, Egypt, Page 58.
 64. Azza Khaled, Ahmed El Nemr and **Amany El-Sikaily (2006)** "Assessment of Cu, Co, Zn, Cd, Pb, Fe, Ni, Cr and Mn in Surface Sediments of the Egyptian Mediterranean Coast" International Conference on Aquatic Resources: Needs and Benefits NIOF, 18-21st September 2006 Alexandria, Egypt, Page 70.
 65. **Amany El-Sikaily**, Ola Abdelwehab, Azza Khaled and Ahmed El Nemr (2006) "Activated Carbon from Date Seeds and its Application to Adsorb Toxic Chromium from Aqueous Solution" International Conference on Aquatic Resources: Needs and Benefits NIOF, 18-21st September 2006 Alexandria, Egypt, Page 85.

66. Ahmed El Nemr, **Amany El-Sikaily**, Ola Abdelwehab and Azza Khaled (2006) "Direct Dye (DB-86) Removal from Aqueous Solution by Adsorption Using Activated Carbon from Orange Peel" International Conference on Aquatic Resources: Needs and Benefits NIOF, 18-21st September 2006 Alexandria, Egypt, Page 86.
67. Azza Khaled, Ahmed El Nemr, Tarek O. Said and **Amany El-Sikaily** (2006) "Contents and Sources of Polycyclic Aromatic Hydrocarbons and Organochlorine Pesticides in Surface Sediments of Ain El-Sokhna, Gulf of Suez, Red Sea" International Conference on Aquatic Resources: Needs and Benefits NIOF, 18-21st September 2006 Alexandria, Egypt, Page 152.
68. Azza Khaled, Ahmed El Nemr, **Amany El-Sikaily** and Ola Abdelwehab (2006) "Development of Low-Cost Activated Carbon from Agricultural Waste Materials and its Application for Adsorption of Direct Dye from Artificial Textile Dye Effluent" International Conference on Aquatic Resources: Needs and Benefits NIOF, 18-21st September 2006 Alexandria, Egypt, Page 154.
69. **Amany El-Sikaily**, Ahmed El Nemr, Azza Khaled and Ola Abdelwehab (2006) "Removal of Basic Dye (Methylene Blue) from Simulated Textile Dye Effluent by Activated Carbon Developed from Rice Husk" International Conference on Aquatic Resources: Needs and Benefits NIOF, 18-21st September 2006 Alexandria, Egypt, Page 159.