

Curriculum Vitae

Of

Ahmed Moustafa Hassan El Nemr



Date of birth: November 4, 1962
Place of birth: El Beheira, Egypt
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Education:

- 1- BSc.** in Chemistry with **Excellent** in May **1984** from Alexandria University, Egypt
- 2- Postgraduate courses for M. Sc.** degree with **Very Good** in **1987** from Alexandria University, Egypt.
- 3- MSc.** in Organic Chemistry, March **1990** under supervision of Professor El Sayed H. El Ashry, Alexandria University.
Thesis [*Studies on the Chemistry of some Hydrazones*]
- 4- PhD.** of Engineering in Applied Chemistry, September 17, **1997** from Department of Applied Chemistry Faculty of Science and Technology, Keio University, Yokohama, Japan.
Thesis [*New Reactions in Sugar Triflates*] under Supervision of Professor Tsutomu Tsuchiya.
- 5- Post Doc.** (Sep. 1997 to Dec. 1997) with Professor Tsutomu Tsuchiya, Institute of Bioorganic Chemistry, Kawasaki, Japan.

Training Courses

- 1.** Total hydrocarbons determination in sediments (by Danida on 13-25 March 2004).

And workshops

- 2.** Pesticides and PCBs determination in sediments and biota (by Danida on 1-16 May 2004).
- 3.** Data analysis (by NIOF on 8-25 May 2004).
- 4.** Workshop on the study of the marine ecosystem at National Institute of Marine Science and Technologies (INSTM), 2nd to 15th October 2004, JIKA, Tunisia.
- 5.** UNEP meeting for Africa Environment Outlook, Meetings within the AEO-2 report preparation process to prepare two different chapters on Wetlands and Coastal Marine through assessment modules, 20th to 24th October 2004, UNESCO, Nairobi, Kenya.

6. Oceanographic Data management (IOC-UNESCO, Belgium on 10-30 April 2005).
7. Marine biodiversity training course (IOC-UNESCO, Mauritius on 22-28 August 2005).
8. Website development training course (IOC-UNESCO, Belgium on 5-9 December 2005).
9. Workshop on Environmental status and development of fish production in Edku lagoon and the coastal area between El-Agamy and Abo-Quir Bay, 19th April 2006, Kayet Bey, Alexandria, Egypt
10. Second ODINAFRICA Seminar (IOC-UNESCO on 24-26 April 2006, Ostend, Belgium).
11. Operational Oceanography and National Security workshop on 21st September 2006, Alexandria, Egypt.
12. Red tide and human health workshop, Monday, 20 November 2006, Bibliotheca Alexandria, conference Center – Middle hall, Alexandria, Egypt.
13. German Egyptian Marine Research Workshop, held aboard the METEOR on 4th of September 2007, Port Said Harbor, Egypt.
14. Training course on using Biomarker for pollution detection, 25-28 October 2007 at NIOF, Alexandria, trainer Prof. Aldo Viarengo, Department of Environmental and Life Sciences, Via Bellini 25 G 15100 Alessandria, Italy.
15. ASFA Training course, organized and conducted by the FAO, Alexandria, Egypt, 2-6 march 2008 on how to prepare bibliographic references for inclusion in the ASFA database using the ASFA input procedures. "Trainer, Nicoletta Milone"

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

Head of Egyptian National Oceanography Data Center (ENODC)

National Coordinator of ODINAFRICA-III project (IOC-UNESCO)

National Coordinator of Aquatic Sciences and Fisheries Abstracts (FAO-ASFA) data base (UNESCO)

Previous position: 1. *Chemist* (1988-1989) at the Egyptian Petrochemical Company, Alex. Egypt.

2. *Research Assistant* (1989-1990) Environmental Division, National Institute of Oceanography and Fisheries, Alexandria.

3. *Assistant Lecturer* (1990-1998) Environmental Division, National Institute of Oceanography and Fisheries, Alexandria.

4. *Researcher* (1991-1997) Microbial Chemistry Research Foundation, Institute of Bioorganic Chemistry, Kawasaki, Japan.

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 Burullus (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 and write report).

ODINAFRICA-III project, IOC-UNESCO "Oceanographic Data and information in Africa" (2004-2007, National Coordinator for WP2 and WP3).

NIOF-Environmental Division "Production of oil sorption-active material by chemical treatment of agriculture wastes to substitute the commercial synthetic non-biodegradable material in the aquatic environment". (2005-2007, Principal Investigator).

Medpol-EIMP project "Heavy metals and hazardous organic On Sediments and Benthos Data from Coastal Areas of the Mediterranean Sea during August, September 2006" (Supervisor of the Project).

NIOF-Strategy Projects "Modification of some natural materials by chemical modifications of agriculture wastes" (2007-2009, Principal Investigator).

NIOF-Strategy Projects "Valorization of biological wastes for pollution treatments" (2007-2008, Principal Investigator).

Society Member:

The Arab Society of Materials Science (Since 1998).
The American Biographical Institute (Since 2004).
Egyptian Syndicate of Scientific Professions (Since 1984).

Travel out of Egypt:

Japan [September 1991 to December 1997] for PhD in Chemistry
Tunisia [2nd to 15th October 2004] to attend workshop: The study of the marine ecosystem at National Institute of Marine Science and Technologies (INSTM)
Kenya [20th to 24th October 2004] to attend UNEP meeting for Africa Environment Outlook: Meetings within the AEO-2 report preparation process to prepare two different chapters on Wetlands and Coastal Marine through assessment modules.
Belgium, Oostende [10th to 30th April 2005] to attend the IOC training course on oceanographic data management.
Mauritius, Grand Bay (22nd to 28th August 2005) to attend the marine biodiversity training course.
Belgium, Oostende [4th to 11th December 2005] to attend the IOC training course on website development.
Belgium, Oostende [24th to 26th April 2006] to attend the Second ODINAFRICA Seminar (IOC-UNESCO).

Experiences

Processor Engineer in waters treatment units (Clarifier, Demineralized water, Reverse Osmoses, Boiler, Cooling tower) at Egyptian petrochemical company (1.5 years experience); Experience in synthesis of heterocyclic compounds (MSc thesis); Experience in synthesis of carbohydrate compounds (PhD thesis); Experience in synthesis of Duterated compounds (New

methods in Chemistry); Using of HPLC in chromatographic separation of organic compounds; Using of Nuclear Magnetic Resonance in determination of organic structure; Using of Mass spectra in determination of organic structure; Experience in writing article review about the natural product; Analysis of environmental samples for heavy metals; Analysis of environmental samples for Hydrocarbons; Analysis of environmental samples for pesticides and PCBs; Using of Gas Chromatography for analysis of organic pollutants; Using of Flame atomic absorption, Perkin-Elmer for analysis of inorganic pollutants; Using of atomic absorption spectrophotometer, Varian-10 Plus for analysis of inorganic pollutants; Cooperation in the analysis of all samples submitted to the central Lab. At NIOF in 2002-2004; Analysis of active material in some imported food (Central Lab. NIOF); Isolation of some natural products from marine algae (Supervision of PhD student); Use of marine algae to remove pollutants; Use of agriculture waste to remove pollutants; Oceanographic data management; Website Development; Use of personal computer in work with different programs (1. Word, 2. Excel, 3. PageMaker, 4. Surfer; 5. Cs Chem 3D Pro, 6. Cs ChemOffice, 7. Statistica, 8. SPSS, 9. SigmaPlot, 10. Alchemy 2000 for molecular structure information, 11. Gaussian 2003w for molecular structure information *for example*: bond distance, bond angle, heat of formation, structure activity relationship, 12. Ocean data view, 13. ArcExplorer, 14. Office Access, 15. ASFA input procedures.

Research Interest

One of the research interests is devoted to explore novel approaches for synthetic methodologies in carbohydrate chemistry and the synthesis of natural compounds. Syntheses of deuterated carbohydrates using different methods are one of the main works. Syntheses of carbohydrates in the form of their nitrogen derivatives as raw materials for the synthesis of other classes of organic compounds and heterocyclic compounds were also of my great interest. Isolation of some natural compound from marine algae is also under investigation and tested for using as anti HBV. Chitin and Chitosan isolation and chemical modification study. Quantum chemical calculations have been used to deduce the reaction mechanism of novel reactions and to study QSAR "quantum structure activity relationship". Corrosion inhibition and its prediction for selected organic compounds using computational chemistry. New activated carbon development from agriculture wastes is also of our great interest. Removal of textile dyes, organic pollutants and heavy metals from water using macro algae, activated carbons and agriculture wastes. Water treatment and waste water Purification. 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. Oil spill and Machine oil treatment technologies.

Permanent referee at International Journal

- 1) Chemical Engineering Journal
 - 2) Chemical Engineering communication
 - 3) Dyes and Pigments
 - 4) Fresenius Environmental Bulletin (FEB)
 - 5) Bioresource Technology
 - 6) Journal of Hazardous Materials
 - 7) Journal of Environmental Management
 - 8) Soil & Sediment Contamination: an International Journal
 - 9) Journal of Colloid and Interface Science
 - 10) Colloids and Surfaces A: physicochemical and Engineering Aspects
 - 11) Archive Environmental Contaminations and Toxicology (AECT)
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Permanent referee at Arab Science and Technology Foundation (ASTF)

Permanent referee at NWO, Innovational Research Incentives Scheme Vidi 2007 ALW

List of Publications

I. INTERNATIONAL BOOK by (Blackwell Publishers, Nova Science Publishers, Transworld Research Network, Research Signpost Publishers)

- 1) El Sayed H. El Ashry and **Ahmed El Nemr (2005)** "Synthesis of Naturally Occurring Nitrogen Heterocycles from Carbohydrates" Blackwell Publishers/ 9600 Garsington Road, Oxford OX4 2DQ, UK, [ISBN 1-4051-2934-4] 463pp. http://www.blackwellpublishing.com/more_reviews.asp?ref=9781405129343&site=1
- 2) **Ahmed El Nemr (2005)**: "Petroleum contamination in warm and cold marine environment" Nova Science Publishers, Inc. Hauppauge New York. [ISBN 1-59454-615-0] 150pp.
- 3) **Ahmed El Nemr (2005)** "Stereoselective synthesis of hydantocidin analogues" in New Methods for the Asymmetric Synthesis of Nitrogen Heterocycles, 2005: Editors: Jose L. Vicario, Dolores Badía and Luisa Carrillo. Research Signpost, Transworld Research Network, T.C. 37/661 (2), Fort P.O., Trivandrum-695 023, Kerala, India, 249-295.
- 4) **Ahmed El Nemr (2006)** "Petroleum contamination in warm and cold marine environment" in New Developments in Environmental Research, Edited by Emma B. Davis, Nova Science Publishers, Inc. Hauppauge New York. [ISBN 1-59454-629-0] page 61-171.
- 5) F. A. Abd El-Razek, M. A. Gerges, A. Al Sayes, **Ahmed El Nemr**, A. M. Helal (2006) "Abstract Book of International Conference on Aquatic Resources: Needs and Benefits" NIOF 18-21st September 2006, Alexandria, Egypt. [ISSN: 1687-580X] 174 pages.
- 6) **Ahmed El Nemr (2007)** "New Developments in Electrodeposition and Pitting Research" Research Signpost Publishers, Transworld Research Network, T.C. 37/661(2), Fort P.O., Trivandrum-695 023, Kerala, India. ISBN 978-81-7895-304-5, 339 pp.
- 7) **Ahmed El Nemr** and Ahmed M.M. Ibrahim (2008) "Arabian Gulf and Red Sea Phytoplankton and Pollution Status" *in preparation*, Nova Science Publishers, Inc. Hauppauge New York.
- 8) **Ahmed El Nemr** and Amany El Sikaily (2008) "Biomarkers and Xenobiotic in marine Environment and bioremediation" *in preparation*.

II. Articles in organic Chemistry

A. from MSc Thesis

- 9) A. Mousaad, H. A. Hamid, **Ahmed El Nemr**, and E. S. H. El Ashry (1992): "Synthesis of 3-(Alditol-1-yl)triazolo[4',3':2,3]-1,2,4-triazino[5',6-b]indoles", Bull. Chem. Soc. Jpn., Vol. 65: 546-552.

B. Articles from PhD Thesis

- 10) **Ahmed EI Nemr** and T. Tsuchiya (1995): "α-Hydrogen Elimination in Some Carbohydrate triflates", *Tetrahedron lett.*, Vol. 36: 7665-7668.
- 11) **Ahmed EI Nemr** and T. Tsuchiya (1996): "α-Hydrogen Elimination in Some Carbohydrate triflates", *Current Chem. Reactions*, 18, 205, 091332.
- 12) **Ahmed EI Nemr**, T. Tsuchiya, and Y. Kobayashi (1996): "α-Hydrogen Elimination in Some Carbohydrate triflates", *Carbohydr. Res.*, Vol. 293: 31-59.
- 13) **Ahmed EI Nemr** and T. Tsuchiya (1997): "α-Hydrogen elimination in some 3- and 4-triflates of α-D-glycopyranosides", *Carbohydr. Res.*, Vol. 301: 77-87.
- 14) **Ahmed EI Nemr** and T. Tsuchiya (1997): "α- and β-hydrogen eliminations in the reaction of some 3-O-triflylglycosides with ^tBuOK and pyridine", *Carbohydr. Res.*, Vol. 303: 267-281.

C. Articles in Heterocyclic chemistry

- 15) N. Rashed, **Ahmed EI Nemr**, and E. S. H. El Ashry (1993): "10-Carboethoxymethyl-3-phenyl-1,2,4-triazolo[4',3':2,3][1,2,4]triazino[5,6-*b*]indole and derivatives at its 10-position", *Arch. Pharm. (Weinheim)*, Vol. 326: 153-156.
- 16) N. Rashed, **Ahmed EI Nemr**, and E. S. H. El Ashry (1993): "¹³C-NMR And 2D (H,H- and H,C-COSY) spectra of Triazolo-Triazino-Indole derivatives and the conformational analysis of the respective C-Nucleoside analogues", *Spectroscopy Lett.*, Vol. 26: 1817-1938.
- 17) **Ahmed EI Nemr** and T. Tsuchiya (1998): "A Convenient Method for Deuteration at the Alpha Position of an Oxo Group in Carbohydrates" *Tetrahedron Lett.*, Vol. 39: 3543-3546.
- 18) **Ahmed EI Nemr** and T. Tsuchiya (2001): "Reactions of some 2- and 4-O-triflylglycopyranosides with MeLi, ^tBuOK, and pyridine" *Carbohydr. Res.* Vol. 330: No. 2: 205-214.

D. Articles Review

- 19) **Ahmed EI Nemr** (2000): "Synthetic methods for the stereoisomers of Swainsonine and its Analogues" *Tetrahedron* vol. 56, No. 44: 8579-8629.
- 20) El-Sayed H. El-Ashry and **Ahmed EI Nemr** (2003): "Synthesis of mono- and di-hydroxylated prolines and 2-hydroxymethylpyrrolidines from non-carbohydrate precursors" *Carbohydr. Res.* 338: 2265-2290.
- 21) **Ahmed EI Nemr** (2005) "Stereoselective synthesis of hydantocidin analogues" in *New Methods for the Asymmetric Synthesis of Nitrogen Heterocycles*, 2005: Editors: Jose L. Vicario, Dolores Badía and Luisa Carrillo. Research Signpost, 37/661 (2), Fort P.O., Trivandrum-695 023, Kerala, India, 249-295.
- 22) **Ahmed EI Nemr** and El-Sayed H. El-Ashry (2007): "New developments in the Synthesis of Anisomycin and its Analogues" in *Carbohydrates in Heterocyclic Chemistry*, Edited by El-Sayed H. El-Ashry, Springer Publishers. ISBN 978-3-540-72956-3, Vol. 7 (2007) 249-285.

- 23) **Ahmed El Nemr** and El-Sayed H. El-Ashry (2008): "New developments in the Synthesis of Trehazolin and its Analogues" *Tetrahedron*. **In Press**.

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

- 24) **Ahmed El Nemr**, T. O. Said, A. Khaled, A. 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.
- 25) **Ahmed El Nemr**, A. 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.
- 26) 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.
- 27) **Ahmed El Nemr** and Aly M. A. Abd-Allah (2004): "Organochlorines contamination in some marketable fish in Egypt" *Chemosphere* Vol. 54(10): 1401-1406.
- 28) **Ahmed El Nemr**, A. 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.

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

- 29) 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.
- 30) **Ahmed El Nemr** and Aly M. A. Abd-Allah (2003): "Contamination of polycyclic aromatic hydrocarbons (PAHs) in microlayer and subsurface waters along Alexandria Coast, Egypt" *Chemosphere* (2003) 52 (10): 1711-1716.
- 31) A. 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.
- 32) **Ahmed El Nemr**, A. El Sikaily, A. Khaled, T. O. Said, A. M. A. Abd-Allah (2004): "Determination of hydrocarbons in mussels from the Egyptian Red Sea Coast" *Environ. Mon. Assess.* 96 (1-3) 251-261.
- 33) **Ahmed El Nemr**, Tarek O. Said, Azza Khaled, Amany El-Sikaily and Aly M.A. Abd-Allah (2007) "The distribution and sources of polycyclic aromatic hydrocarbons in surface sediments along the Egyptian Mediterranean coast" *Environ. Mon. Assess.* 124 (1-3) 343-359.

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

- 34) A. Khaled, **Ahmed El Nemr** and A. El Sikaily (2003): "Contamination of Coral Reef by heavy metals along the Egyptian Red Sea Coast" *Bull. Environ. Contamin. Toxicol.* 71(3): 577-584.

- 35) **Ahmed El Nemr (2003)**: "Assessment of heavy metal pollution in surface muddy sediments of Lake Burullus, southeastern Mediterranean, Egypt" Egypt J. Aquat. Biol. & Fish. Vol. 7, NO. 4: 67-90.
- 36) **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.
- 37) **Ahmed El Nemr (2003)**: "Concentrations of certain heavy metals in imported frozen fish in Egypt" Egypt J. Aquat. Biol. & Fish. Vol. 7, NO. 3: 139-154.
- 38) Amany El-Sikaily, Azza Khaled, **Ahmed El Nemr (2004)**: "Heavy metals monitoring using bivalves from Mediterranean Sea and Red Sea" Environ. Mon. Assess. 98 (1-3): 41-58.
- 39) 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.
- 40) 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.
- 41) **Ahmed El Nemr, A. Khaled and A. 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.
- 42) **Ahmed El Nemr, Amany El Sikaily and Azza Khaled (2007)** "Total and leachable heavy metals in muddy and sandy sediments of Egyptian coast along Mediterranean Sea" Environmental Monitoring and Assessment 129, 151-168.

VI. Articles published in the field of wastewater treatment.

- 43) 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.
- 44) **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.
- 45) 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.
- 46) A. 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(2), 149-157.
- 47) O. Abdelwahab, **Ahmed El Nemr, A. 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.

- 48) **Ahmed El Nemr**, Ola Abdelwahab, Amany El Sikaily, Azz Khaled (2006) "Adsorption of Direct Red 23 from Aqueous Solution Using Rice Husk Activated by Citric Acid" *Environmental Science: An Indian Journal*. Vol 1. Issue 4-6, 86-98.
- 49) Ola Abdelwahab, Amany El Sikaily, Azz Khaled, **Ahmed El Nemr** (2007) "Mass transfer processes of Chromium (VI) adsorption onto Guava seeds" *Chemistry and Ecology*. 23(1) 73-85.
- 50) **Ahmed El Nemr**, Amany El Sikaily, Azza Khaled, Ola. Abdelwahab (2007) "Removal of toxic chromium (VI) from aqueous solution by activated carbon using *Casuarina Equisetifolia*" *Chemistry and Ecology*. 23(2) (2007) 119-129.
- 51) Amany El Sikaily, **Ahmed El Nemr**, Azz Khaled, Ola Abdelwahab (2007) "Removal of toxic Chromium from wastewater using green alga *Ulva lactuca* and its activated Carbon" *Journal Hazardous Materials*.148 (2007) 216-228.
- 52) **Ahmed El Nemr** (2007) "Pomegranate husk as an adsorbent in the removal of toxic chromium from wastewater" *Chemistry and Ecology* 23(5) (2007) 409-425.

VII. Articles in Corrosion

- 53) El Sayed H. El Ashry, **Ahmed El Nemr**, Samy A. Essawy, Safaa Ragab (2006) "Corrosion inhibitors Part II: Quantum chemical studies on the corrosion inhibitions of some triazole, oxadiazole and thiadiazole derivatives for steel in acidic medium" *Electrochimica Acta*. 51(19) 3957-3968.
- 54) El Sayed H. El Ashry, **Ahmed El Nemr**, Samy A. Essawy, Safaa Ragab (2006) "Corrosion inhibitors Part IV: Quantum chemical studies on the corrosion inhibitions of steel in acidic medium by some aniline derivatives" *Chemical Physics: An Indian Journal* Vol. 1(2-3) 41-62.
- 55) El Sayed H. El Ashry, **Ahmed El Nemr**, Samy A. Essawy, Safaa Ragab (2006) "Corrosion inhibitors Part III: Quantum chemical studies on the efficiencies of some aromatic hydrazides and Schiff bases as corrosion inhibitors of steel in acidic medium" *ARKIVOC* xi, 205-220.
- 56) El Sayed H. El Ashry, **Ahmed El Nemr**, Samy A. Essawy, Safaa Ragab (2008) "Corrosion inhibitors Part V: QSAR of Benzimidazole and 2-substituted derivatives as corrosion inhibitors by using the quantum chemical parameters" *Progress in Organic Coating*. 61 (2008) 11-20.

VIII. Data Management

- 57) **Ahmed El Nemr** (2006) "Egypt-National Report" ODINAFRICA-III/9.8 Nairobi, 11 April 2006, 24-26 April 2006, Ostend, Belgium.

IX. Articles in Press

- 58) **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**.

- 59) **Ahmed El Nemr**, Azza Khaled, Amany El-Sikaily, Ola Abdelwahab (2007) "Treatment of wastewater containing toxic chromium using new activated carbon developed from date palm seed" Journal of Hazardous materials. **In press.**
- 60) **Ahmed El Nemr**, Azza Khaled, Ola Abdelwahab, Amany El-Sikaily (2007) "Direct Yellow 12 by activated carbon developed from Orange Peel" Desalination, **in press.**

X. Articles submitted for publication

- 61) **Ahmed El Nemr**, Azz Khaled, Ola Abdelwahab, Amany El Sikaily (2007) "Removal of toxic chromium from aqueous solution, wastewater and saline water by marine red alga *Pterocladia capillacea* and its activated carbon" Journal of Hazardous materials. **Submitted for publication, October 2007.**
- 62) **Ahmed El Nemr**, Ola Abdelwahab, Azz Khaled, Amany El Sikaily (2007) "Removal of direct blue-86 from aqueous solution by new activated carbon developed from orange peel" Journal of Hazardous materials. **Submitted for publication, April 2007.**
- 63) Azz Khaled, **Ahmed El Nemr**, Amany El Sikaily, Ola Abdelwahab (2007) "Adsorption Isotherm and Kinetics of Direct Navy Blue-106 Removal from Artificial Textile Dye Effluent using Activated carbon from orange peel" Journal of Hazardous materials. **Submitted for publication, January 2007.**
- 64) **Ahmed El Nemr** (2007) "Potential of pomegranate husk carbon for Cr(VI) removal from wastewater: kinetic and isotherm studies" Journal of Hazardous materials. **Submitted for publication, May 2007.**
- 65) **Ahmed El Nemr**, Azza Khaled, Ola Abdelwahab and Amany El-Sikaily (2007) "Modeling of adsorption isotherms of methylene blue onto rice husk activated carbon" Chemistry and Ecology. **Submitted for publication, July 2007.**

XI. Articles to be submit for publication

- 66) O. Abdelwahab, A. El-Sikaily, **Ahmed El Nemr**, A. Khaled (2008) "Adsorption of methylene blue on *Rice husk*".
- 67) **Ahmed El Nemr**, A. El-Sikaily, A. Khaled, T. O. Said (2008) "Petroleum hydrocarbons in surface sediment collected from Egyptian Mediterranean coast".
- 68) A. El-Sikaily, A. Khaled, **Ahmed El Nemr**, T. O. Said (2008) "Distribution of PCBs and pesticides in surface sediment from Egyptian Red Sea coast".
- 69) A. El-Sikaily, A. Khaled, **Ahmed El Nemr** (2008) "Distribution of trace elements in surface sediment from Egyptian Mediterranean Coast".
- 70) **Ahmed El Nemr**, E. S. H. El Ashry and Yaseen A. Al-Soud (2008) "Structure of 1,2,4-triazolo[4',3':2,3][1,2,4]triazino[5,6-b]indole or its angular isomer from 3-hydrazino-1,2,4-triazino[5,6-b]indole derivatives".
- 71) **Ahmed El Nemr** (2008) "Formation of 4-C-[(3',6'-dihydro-3'-oxo-2'*H*-pyran-2'-ylidene)methyl]-1,2:5,6-di-O-isopropylidene- α -D-ribo-hexofuranose 3,4'-epoxide from diacetone glucose as a novel ring system".

XII. International Conference

- 72) E. S. H. El Ashry, A. Mousaad, Y. El Kilany, **Ahmed El Nemr**, XIVth International Carbohydr. Symp., Stockholm, Sweden, B49, 203 (1988).
- 73) E. S. H. El Ashry, A. Mousaad, H. Abdel Hamid, **Ahmed El Nemr**, 32nd Nat. Org. Chem. Symp., Minneapolis, Minnesota, A-24, 221 (1991).
- 74) **Ahmed El Nemr** and T. Tsuchiya: " α -Hydrogen elimination in some 3- and 4-triflates of α -D-glycopyranosides", Japan Chem. Soc. Meeting, 72, 3G303 (1997).
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