

Curriculum Vitae

1. **NAME:**
 - Mohamed Youssef Aly Omar
2. **DATE AND PLACE OF BIRTH:**
 - 9th November 1970
 - Alexandria – Egypt
3. **NATIONALITY:**
 - Egyptian
4. **TELEPHONE:**
 - Mobil: (+2) 0100 1636 224
5. **E-Mail:**
 - mohamed.youssef@aast.edu
 - omarmy70@yahoo.com
6. **MAIL ADDRESS:**
 - 252 Al Fath Street – Janaklis District - Alexandria, Egypt.
7. **MARITAL STATUS:**
 - Married
8. **LANGUAGES:**
 - Arabic and English

9. CURRENT AND PERVIOUS POSITION

Position	Head of Scientific Projects Management Department Deanery of Scientific Research Arab Academy for Science, Technology and Maritime Transport - AASTMT
Date	October 2014 – till present

Position	Lecturer Basics and Applied Sciences Department, College of Engineering and Technology - AASTMT
Date	October 1996 – till present

Position	Lecturer Environmental Sciences Department, Faculty of Science – Alexandria University - Egypt
Date	February 2012 – till present

Position	Formal Consultant for The Regional organization for the conservation of the environment in the Red Sea and Gulf of Aden (PERSGA)
Date	January 2021 – till present

Position	Formal Consultant for The Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC)
Date	October 2020 – till present

Position	Formal Consultant for Egyptian Environmental Affairs Agency (EEAA) Qualitative & Quantitative Environmental Risk Assessment
Date	February 2019 – till present

Position	Head of Environmental Crisis Management Systems Integrated Simulators Complex Arab Academy for Science, Technology and Maritime Transport - AASTMT
Date	January 2013 – October 2014

Position	Instructor of Environmental Crisis Management Systems Integrated Simulators Complex Arab Academy for Science, Technology and Maritime Transport - AASTMT
Date	September 2001 - December 2012

Position	Junior Chemist Amrya Pharmaceutical Industrial Company Quality Control/Assurance Laboratory
Date	December 1994 – August 2001

Position	Senior Chemist Oil Identification Laboratory Integrated Simulators Complex - AASTMT
Date	May 1992 – December 1994

Position	Scholar visitor, Organic and Instrumental Laboratories.
Date	December 2000 – July 2001
Company	Environmental Research Institute - University of Connecticut, Storrs, Connecticut State, USA

10. EDUCATION :

Institution:	Columbus University, Casa Blanca, Morocco.
Date	Sept 2004 - October 2010
Degree	PhD
Institution:	University of Connecticut, Environmental Research Institute, Connecticut State, USA
Date	December 2000 – July 2001
Degree	Scholar visitor, Organic and Instrumental Laboratories

Institution:	Arab Academy for Science, Technology and Maritime Transport (AASTMT), Alexandria, Egypt.
Date	Sept. 2000 – June 2004
Degree	Master Science
Institution:	Faculty of Science, Chemistry Department, Alexandria University, Egypt.
Date	Sept. 1988 – May 1992
Degree	Bachelor of Science

11.CERTIFIED TRAINING AND ADDITIONAL STUDIES:

Training Course	Place/Date
1. High Performance Liquid Chromatography, Operation and Trouble Shooting	Cairo, Egypt, June 1994
2. Oil Spill Crises Management	Connecticut State, USA, July 1995
3. Oil Spill Crises Management, simulator operation	Connecticut State, USA, March 1996
4. Using the Geographic Information System	Connecticut State, USA, May 1997
5. Oil Spill Fate and Trajectory Modeling	Connecticut State, USA, May 1997
6. Oil Identification Technology	Connecticut State, USA, May 1997
7. Train the Trainers	Egypt, November 1997
8. Shoreline Clean-up	AASTMT, Alexandria, Egypt, 1998
9. Modern Techniques in Atomic Absorption, Emission and its Applications in Industry	Egypt, July 1998
10. Arc View GIS	Connecticut State, USA, May 2000
11. Environmental Analyses	University of Connecticut, USA, June 2001
12. Environmental Emergency Management	Syria, November 2003
13. Regional Workshop on Contingency Planning	In cooperation with PERSGA. AASTMT, Alexandria, Egypt, February 2004
14. Professional Certificate in Geographic Information System (GIS)"	AASTMT, Alexandria, Egypt, July 2007
15. Hazardous and Noxious Substances Contingency Planning	Egypt, October 2008.
16. Intensive Course on Advanced Techniques for Detecting Petroleum and Petrochemical Environmental Pollution	Egypt, March 2009.

12. EXPERIENCES & ACTIVITIES:

- **PRESENTATIONS:**

Lecturer / Instructor: "Environmental Crisis Management"

Lecturer:

1. **College of Engineering and Technology, Basics and Applied Science Institute**

Teaching the following courses:

- Applied Chemistry.
- Introduction to Environmental Sciences

2. **The College of Maritime Transport and Technology - The Institute of Maritime Postgraduate Studies**

- Environmental Crisis Management
- Environmental Risk Assessment and Management

3. **Alexandria University, Faculty of Science, Environmental Sciences Department**

Teaching the following courses for BSc, MSc & PhD:

- Ecological Risk Assessment
- Introduction to Environmental Sciences
- Environmental Risk Assessment and Management
- Emergency Response Plan & Natural Disasters Management
- Health, Safety and Environmental Risk Management

- **SUPERVISION AND JUDGMENT:**

PhD Degree:

1. Investigation, statistical analysis and risk assessment of process failures in wastewater treatment plant using DMFEA Model, Case study: Alexandria wastewater Treatment Plant, Faculty of Science, Environmental Sciences Dept. - Alexandria University, (2023).
2. Quantitative Oil Spill Risk Assessment from Offshore Platform, (Case Study Al-BOURI offshore platform, Libya), AASTMT, (2022).
3. Development of the Integrated Environmental Management System in Alexandria Carbon Black Company, Institute of Graduate Studies and Research, Alexandria University, (2021). Investigation, statistical analysis and risk assessment of process

failures in wastewater treatment plant using DMFEA Model, Case study: Alexandria wastewater Treatment Plant, Faculty of Science, Environmental Sciences Dept. - Alexandria University, (2023).

4. Quantitative Oil Spill Risk Assessment from Offshore Platform, (Case Study Al-BOURI offshore platform, Libya), AASTMT, (2022).
 5. Development of the Integrated Environmental Management System in Alexandria Carbon Black Company, Institute of Graduate Studies and Research, Alexandria University, (2021).
 6. Integrated risk assessment and management of industrial wastewaters containing hazardous heavy metals, Faculty of Science, Environmental Sciences Dept. - Alexandria University, (2020).
 7. Development of a Web-based Interactive System for Modeling Oil Spills: A Geographical Analytical Study using the Geographic Information Systems Techniques, Sadat City University, Environmental Studies and Research Institute, Natural Resources Division, (2019).
 8. "Pollution Evaluation, sources and risk assessment of heavy metals in water and sediments of Tobruk Bay, Libya" Faculty of Science, Alexandria University, (2018).
 9. Environmental Risks Assessment of Persistent Organic Pollutants (POPS) in Marine Sediment of Sulaibikhat Bay, State of Kuwait, (2017).
 10. Ecological Risk Assessment of Polycyclic Aromatic Hydrocarbons (PAH's) on Marine Benthic Environment of Hadhramout Coastal Area, and Socotra Island, Gulf of Aden, Republic of Yemen, Faculty of Science, Alexandria University, (2016).
 11. Quantitative Risk Assessment and Environmental Management of Oil Terminal Operations. A Case Study from SUMED OIL Terminals, Egypt. Faculty of Science, Alexandria University, (2016).
- Modeling of Oil Spills Damage Assessment in Marine Environment, Suez Canal University (May 2015).

Master Degree:

1. Spatial – Temporal Monitoring of Groundwater Quality at the North East Coast of Alexandria City with Emphasis on the Impact of Climate Change, AASTMT, April 2022

2. Innovative Treatment Technology to Enhance Groundwater Quality for Irrigation/ Drinking Purposes towards Sustainable Development Goals, AASTMT, April 2022
3. Modeling of the Oil Spill Behavior in the Marine Environment, AASTMT, August 2021.
4. A Study of the Behavior of Oil Spill from an Offshore Rig in the Red Sea Region, AASTMT, November 2016.
5. Oil Spill Risk Assessment in the Dekheila port, Faculty of Science, Environmental Sciences Department, October, 2016
6. Indoor/outdoor Air Quality and Children Health Risk Assessment For PM10 & PM 2.5 In Urban Area of Al- Mukalla City, Yemen, Faculty of Science, Environmental Sciences Department, July 2016
7. Human health implications of Outdoor Air Pollution by persistent organic pollutants (POPs) in Alexandria City, Egypt - Faculty of Science, Alexandria University, (2014).
8. Implementation of Ballast Water Management System (BWMS) in the Egyptian ports - Faculty of Science, Alexandria University, (2014).
9. Using of Information Technology to support decision maker during marine emergencies resulting from oil pollution in the Red Sea – AASTMT, (2014).
10. Oil Spill Risk Assessment (Case study of Jeddah Islamic Port), AASTMT, 2013.
11. فاعلية برنامج تدريبي باستخدام برامج المحاكاه لادارة الازمات والكوارث البيئية لتنمية معلومات و اتجاهات الصحفيين المتخصصين في البيئة - معهد الدراسات والبحوث البيئية, قسم العلوم التربوية والإعلام البيئي, جامعة عين شمس, (2013).

Graduation Projects:

- September 2021, Faculty of Science, Environmental Sciences Department
 - i. **Environmental Modelling**
- September 2017, Faculty of Science, Environmental Sciences Department
 - i. **Sustainable Development**
- September 2016, Faculty of Science, Environmental Sciences Department
 - i. **Seawater desalination using renewable energy sources**
 - ii. **Microwaves: Human Health Risk Assessment**
- September 2015, Faculty of Science, Environmental Sciences Department
 - i. **LNG Risk Assessment**
 - ii. **Renewable Energy: Implementation of Solar Cells**

- iii. **Renewable Energy: Geothermal Energy**
- iv. **Areal location of Hazardous Atmosphere (ALOHA)**
- v. **Automated Data Inquiry for Oil Spills (ADIOS)**
- vi. **All Ages Lead Model**
- February 2014, Faculty of Science, Environmental Sciences Department,
 - i. **Oil Spill Risk Analysis using ADIOS (Case Study)**
- September 2013, Faculty of Science, Environmental Sciences Department,
 - i. **Comparative Quantitative Oil Spill Risk Assessment/Analysis using ADIOS (Case Study)**
- September 2012, AASTMT
 - i. **Oil Spill Risk Assessment – Case Study Alpha SPM, Libyan Coastline,**
- September 2012, Faculty of Science, Environmental Sciences Department,
 - i. **Ecological Risk Assessment in case of Oil Spills**
- September 2010, AASTMT
 - i. **Risk Assessment in case of LNG accidents**
- September 2007, AASTMT
 - i. **Oil Spill and Contingency Planning**
 - ii. **Oil Spill Response, Practical Applications**
- September 2005, AASTMT
 - i. **Oil Spill Crises Management, Practical Applications**

RESEARCH PROJECTS & TECHNICAL CONSULTATIONS:

Provision of the technical support and consultancy:

Date	Project
2021-2023	GREEN-skILls for a sustAiNable Development (GREENLAND) funded by EU ENI CBC MED Program (B_A.3.1_0048) Project Principle Investigator
2021-2023	INtegration of sustainable deVelOpment goaLs in uniVeRsities for better climate change management (INVOLVE) Erasmus+ Program: Grant Agreement: 619313-EPP-I-2020-1-EG-EPPKA2-CBHE-JP Project Principle Investigator

2021-2023	MoniToRing, AssEssment and InnovAtive Treatment Technology to Enhance of Groundwater Quality for Irrigation Purposes toward CliMatE ChaNge AdapTation (TREATMENT) funded by AASTMT Project Principle Investigator
December 2020	The Preparation of the National Action Plan (NAP) of Egypt for the implementation of the Regional Strategy (2016-2021) Funded by REMPEC - In Cooperation of EEAA
2021 - 2024	Capacity Building for Climate Change Mitigation and Adaptation in KSA Ministry of Education in KSA & Northern Boarder University, KSA
August 2021	Assessment, Preparation and Presentation of the Regional Action Plan for the FSO SAFER The Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden (PERSGA)
August 2021	Developing Regional guidelines and policy on the use of dispersants The Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden (PERSGA)
2018-2020	Smart wireless sensor network to detect and purification Water salinity and pollution for agriculture irrigation (SMARTWATIR) funded by EU Project Co-Principle Investigator
2018 –2020	An Innovative Solar powered Water Desalination System using fiber membranes (Solar-Water) Project ID: 27700 - Newton-Mesharafa, Institutional link,
2017 –2020	Climate Change Management through Mitigation and Adaptation / (AdapTM), Erasmus+ Project no. (585917-EPP-1-2017-1-ITEPPKA2-CBHE-JP): to develop a master program in Environmental Science.
2016-2020	Innovation and Commercialization Office (TICO) The leader of the Technology Transfer Office (TTO), Funded by the Academy of Scientific Research and Technology.
2015-2017	“Preparedness for Oil-polluted Shoreline Clean-up and Oil Wildlife interventions (POSOW)” Project Principle Investigator
2013-2016	Joint mAster of Mediterranean Initiatives on renewaLe and sustainable (JAMILA). A team member of TEMPUS program funded by the European Union
2016 till present	Children’s University Project Coordinator Funded by the Academy of Scientific Research and Technology.
2009-2011	Climate Change Adaptation and Natural Disaster Preparedness in the Coastal Cities of North Africa project, Focal point for the Environmental Data Category.

CHEMICAL ANALYSES:

Senior Chemist: “Chemical Analyses Laboratory “:

Applying Fingerprinting Technology: to identify the oil pollution source. Using different Chemical Analyses (Qualitative and Quantitative) using:

- Fluorescence Spectroscopy
- Infrared Spectroscopy
- Gas Chromatography (GC/FID)
- High Performance Liquid Chromatography (HPLC)

- 13. PROFICIENCY IN USING COMPUTER PACKAGES:**
- Oil Spill Crisis Management Simulator
 - Crises Management Software
 - Geographic Information System (GIS)
 - Oil Spill Prediction Model
 - Evacuation Model
 - Air Dispersion, Fire and Explosion Models
 - Turbochrom Ver.4 (Chromatographic Software)

14. Quantitative Risk Assessment (QRA) Scientific Research Projects

1. The QRA for the Bio Ethanol Production Plant Project of the Egyptian Bio-Ethanol Company (EBIOL), Damietta Port, Damietta, Egypt – June 2023.
2. QRA for the Establishment / Construction and Operation of a Multi-Purpose Terminal (MPT) in East Port Said port port, Port Said Governorate, Egypt, 2023 (In progress).
3. QRA for the production of granulated ammonium nitrate fertilizer, 2023 (In progress).
4. QRA for the Suez Canal Expansion Project Km 122 – Km 162, August 2022.
5. QRA for the International Methanol and its Derivatives Company, Egypt, January 2022.
6. QRA for the Expansion project for the Egyptian Petrochemical Company by adding a New Polymerization Reactor within the PVC unit to increase the production capacity - Alexandria, Egypt - January 2022.
7. QRA for the Establishment / Construction and Operation of a Multi-Purpose Terminal (MPT) in SAFAGA port, Abou Tartour, Red Sea Governorate, Egypt, October 2021.
8. QRA for the Expansion projects at Al Dekheila port and construction of the new El Max Seaport, Alexandria, Egypt, October 2021.
9. QRA for Coal handling and storage project for Alexandria National Company for Goods Services, Al-Nahda region, Nubariah Channel, Alexandria, Egypt, September 2021.
10. QRA for the New Horizon Tank Terminal in West Port Said Port – Egypt – June 2020.
11. QRA for the the Establishment / Construction of a Multi-Purpose Terminal (MPT) for the Value Added Logistics Centre (VALC) – Nubaria Channel, Alexandria, Egypt, May 2020.

12. QRA for the Establishment / Construction of a Petrochemicals (Products / Feedstock) Tanks Farm of the Petrochemicals Logistics Services Company (PLS) - Alexandria – Egypt - March 2020.
13. QRA for the Establishment / Construction of a Petrochemicals (Products / Feedstock) Tanks Farm for the Petrochemicals Logistics Services Company (PLS) - Alexandria – Egypt - March 2020.
14. QRA for the establishment of a specialized Petrochemicals port (bridge and jetty) - for the Petrochemicals Logistics Services Company (PLS) - Alexandria – Egypt - January 2020.
15. The QRA for the establishment, operation and maintenance of multi-purpose station on the sidewalks of 55-62 Alexandria Port – July 2019
16. QRA for the propylene & polypropylene plant - Alexandria – EGYPT - Sidi Kerir Petrochemicals Company (SIDPEC) – June 2019
17. Oil Spill Risk Assessment study for Petrogulf Misr Petroleum Company – January 2018.
18. Oil Spill Risk Assessment study for East Zeit Petroleum Company – April 2017
19. Oil Spill Risk Assessment study for AMAL Petroleum Company – January 2017
20. Environmental and Social Impact Assessment (ESIA) for the Disposal of Obsolete Pesticide Stockpile from Al-Adabeya Port, Egypt. – April 2014.
21. Ra-Atom Oil Spill Drills in cooperation with EEAA & PESCo – September 2014.
22. Environmental Impact Assessment (EIA) project for Risk Assessment for a new dumping cell for hazardous wastes at El Nassria – October 2013.
23. “Mahrousha 1, Oil Spill Drill – April 2013.
24. Environmental Impact Assessment (EIA) project for a chemical and fertilizers Industry – July 2012.
25. Establishment of “Instrumental Chemistry Laboratory” at Wardan Institute belongs to Egyptian Railways – February 2012.
26. “Clear Med” Major Oil Spill Exercise, organized by BP and EEAA – August 2012
27. Management of Real Oil spill incident “Gannmar Oil Tanker” – February 2005
28. QRA for Noise level measurements inside and outside the new Damanhour electricity station (2 X 750 m Watt)
29. QRA for Coal Tar as a Strategic Feed Stock for Carbon Black Industry
30. QRA for the Rehabilitation of Abu Qir Drain (El Amia), Alexandria, Egypt
31. QRA and Social Impact Assessment (ESIA) for the Disposal of Obsolete Pesticide Stockpile from Al-Adabeya Port, Egypt.
32. QRA for a new dumping cell for hazardous wastes at El Nassria
33. QRA for a chemical and fertilizers Industry.
34. Interactive Web-based Oil Spill Simulation Trajectory Model (IWOSSTM)

15.CONFERENCES AND PUBLICATIONS:

<https://orcid.org/0000-0003-0134-9645>

1. [Environmental impact of COVID-19 lockdown: Spatio-Temporal distribution of air pollutants in Egypt - \(Case Study: Alexandria Port - Egypt\) – \(in Progress\)](#)
2. Mona Kaamouh, Nagwa El- Agwany, **Mohamed Y. Omar**, Environmental toxicological evaluation (in vitro) of Zinc, Copper and Cybutryne on growth and amino acids content of marine alga *Dunaliella salina*, The Egyptian Journal of Aquatic Research (EJAR), Vol. 49, Issue 1, March 2023, Pages 23-32, DOI: [10.1016/j.ejar.2022.07.004](#).
3. **Mohamed Y. Omar**, Mohamed F. Shehada, Ahmed K. Mehanna, Aly H. Elbatran, Moustafa M. Elmesiry, A case study of the Suez Gulf: Modeling of the Oil Spill Behavior in the Marine Environment, The Egyptian Journal of Aquatic Research (EJAR), 2021-12 | **Journal article**, DOI: [10.1016/j.ejar.2021.10.005](#), Part of ISSN: [1687-4285](#)
4. Ashraf A. Zahran, Alaa R. Mostafa, Nermine M. Foda, **Mohamed Y. Omar** and Maram O. Nadry, Human Health Implications of Outdoor Air Pollution by Polycyclic Aromatic Hydrocarbons in Alexandria City, Egypt, International Journal of Agriculture, Environment and BioResearch, Vol. 5, No. 03; 2020. DOI: [10.35410/ijaeb.2020.5510](#) - ISSN: [2456-8643](#)
5. Javier Rocher, Daniel A. Basterrechea, Manal Fawzy, Jaime Lloret and **Mohamed Y. Omar**. Sensors and biosorption for better reuse of wastewater: Advances in Intelligent Systems and Computing, 2020 | Book, DOI: [10.1007/978-3-030-36664-3_36](#) - EID: 2-s2.0-85080918431 - Part of ISSN: [21945365 21945357](#)
6. **Mohamed Y. Omar**, Alaa R. Mostafa, Heba A. Amin, Safia M. Darwesh. Oil Spill Modeling at Sidi Kreir SUMED Oil Terminal, Alexandria, Egypt: Advanced Intelligent Systems for Sustainable Development Applied to Environment, Industry and Economy, Volume 4, July 2019.
7. Mohamed N. Ghaly, Nadia E. Badr, **Mohamed Y. Omar**, Heba A. Amin. Risk Assessment of Oil Spills at Alexandria Port, Alexandria, Egypt: Advanced Intelligent Systems for Sustainable Development Applied to Environment, Industry and Economy, Volume 3, July 2019.
8. Hadeer N. Saleh, Heba A. Amin, **Mohamed Y. Omar**, Alaa R. Mostafa, Younis E. Ebrahim. Environmental Assessment of Water Quality and Heavy Metals Pollution of Seawater in Tobruk Bay – Libya: Advanced Intelligent Systems for Sustainable Development Applied to Environment, Industry and Economy, Volume 3, July 2019.

9. Heba A. Amin, Safia Moustafa, **Mohamed Y. Omar**, Alaa R. Mostafa. Ecological Risk Assessment for Sediment and Water of Oil Terminal Operation in Sidi Kreir Coastal Area, Alexandria, Egypt: Advanced Intelligent Systems for Sustainable Development Applied to Environment, Industry and Economy, Volume 3, July 2019.
10. Heba A. Amin, Hadeer N. Saleh, **Mohamed Y. Omar**, Alaa R. Mostafa, Younis E. Ebrahim. Spatial Distribution and Assessment of Heavy Metals Pollution in Sediments of Tobruk Bay (Libya): Advances in Intelligent Systems and Computing - 2020 | Book, DOI: [10.1007/978-3-030-36671-1_55](https://doi.org/10.1007/978-3-030-36671-1_55) - EID: 2-s2.0-85082302876 - Part of ISSN: [21945365 21945357](https://doi.org/10.1007/978-3-030-36671-1)
11. E. H. Hegazy, Ahmed Kh. Mehanna, **Mohamed Y. Omar**, Heba Elkilani, and Amr A. Hassan. "Numerical Simulation of Tidal Current Effects on the Oil Slick Behavior", 3rd International Symposium on Energy Challenges and Mechanics (7th-9th July 2015), Aberdeen, Scotland, United Kingdom.
12. Ahmed K. Mehanna, E. H. Hegazy, **Mohamed Y. Omar**, Amr A. Hassan, and Heba Elkilani. "Modelling of Coral Reefs Damage Assessment in Egypt". 1st International Marine and Offshore Engineering Conference IMOC 2014, 3-4 September, 2014, El-Jubail Industrial City, Kingdom of Saudi Arabia.
13. E. H. Hegazy, Ahmed K. Mehanna, **Mohamed Y. Omar**, Heba Elkilani, and Amr A. Hassan. "Coral Reefs Damage Assessment due to Oil Pollution in Egyptian Water." Applied Mechanics and Materials, Environmental Protection and Sustainable Development, Vols. 522-524, pp 725-728, (February, 2014).
14. Ahmed K. Mehanna, E. H. Hegazy, **Mohamed Y. Omar**, Amr A. Hassan, Heba Elkilani, and Eslam. A. Turki. "Modelling of Oil Spill Impacts on Shoreline in Egypt", Developments in Maritime Transportation and Exploitation of Sea Resources - IMAM 2013 Conference, 14-17 October 2013, A Coruña, Spain.
15. **Mohamed Y. Omar**, E. H. Hegazy, Amr A. Hassan, "Oil Spill Risk Assessment (Case Study)" 15th International Congress of the International Maritime Association of the Mediterranean, 14-17 October 2013, (IMAM 2013) - Developments in Maritime Transportation and Exploitation of Sea Resources, A Coruña, Spain 2013.

16. **Mohamed Y. Omar**, Mohamed F. Shehada and Gamal A. Ashqar “A Study of the Behavior of Oil Spill from an Offshore Rig in Red Sea Region”, North Africa Technical Conference & Exhibition, Society of Petroleum Engineers February 2012, Cairo, Egypt.
17. **Mohamed Y. Omar** and Hassan M. Sharqawy “Biodegradation of sodium lauryl sulphate (SLS) by bacterial consortium isolated from coastline of Alexandria”, Geology of the Nile Basin Countries Conference: Geology and Development Challenges, March 2012, Alexandria, Egypt.
18. **Mohamed Y. Omar** “Combating Oil Spills at Narrow Channels and Confined Water” Workshop on the Technical and Managerial Aspects in Commercial and Industrial Ports (Security – Safety – Performance), May 2012, Yanbu – KSA.
19. K. Marghany and **Mohamed Y. Omar** “Risk Assessment in case of Tank Rupture” Maritime Scientific Research Journal, MRCC, AASTMT, Vol. (2) Issue No. (2), January 2011.
20. **Mohamed Y. Omar** “The Environmental Impacts of Pirates Attacks”, Piracy – Challenges and Countermeasures" Workshop, 24 January 2009, San Stefano Hotel, Alexandria, Egypt.
21. **Mohamed Y. Omar**, M. Saad and H. Kerdany. “Comparative Study for the determination of Total Petroleum Hydrocarbons content in oil samples”, Journal of AASTMT, vol. 30, No. 59, January 2005.
22. **Mohamed Y. Omar** and H. Kerdany. “The Role of Oil Spill Crisis Management Simulator as a Training Technology in the Environmental Marine Pollution Reduction”, Minia International Conference on “Towards a Safe and Clean Environment “(TSCE’05), 2005, Minia, Egypt.
23. **Mohamed Y. Omar**, M. Masaoud and Y. El Gammal. “Study of Pollution in the Mediterranean Sea”, the International Conference on “Earth Observation & Environmental Information’ 97 “(EOEI’97), Alexandria, Egypt.
24. **Mohamed Y. Omar**, S. Masaoud and H. Kerdany. “Evaluation of the Extent of Industrial Pollution in the Abu Qir Bay with and Application of Geographic Information System”, the International Conference on “Earth Observation & Environmental Information’ 97 “(EOEI’97), Alexandria, Egypt.