

Mohamed Abd-Elnaby Aly-Eldeen Mohamed

Associate professor, Marine Chemistry Lab., Marine Environmental division,
National Institute of Oceanography & Fisheries (NIOF), Alexandria, Egypt.



Personal Information

- **Date of Birth:** 1/2/1979.
- **Nationality:** Egyptian
- **Address:** 34 Ahmed El khadem St., El Seyouf Bahary, Alexandria, Egypt.
- **Passport:** A10208025 Alexandria, valid till 24/07/2020.
- **Marital Status:** Married and have three Children
- **Military Status:** Exempted
- **Present job:** Associate professor – Lab. of Marine Chemistry.
- **OceanExpert ID :** 23947 (<https://www.oceanexpert.net/expert/Aly-Eldeen>)
- **ORCID :** 0000-0003-4640-0336
- **Google Scholar:** <https://scholar.google.com/citations?hl=ar&user=Wb8sojEAAAAJ&btnA=1>
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Education

- Ph.D. Biological sciences – 2012.
Institute of Natural Sciences, Astrakhan State University, Russia.
Thesis Title: "Using of *Salvinia natans* L. from the waters of Astrakhan region for cleaning water from some pollutants and microorganisms"
Specialization: № 03.02.01 – Botany, 03.01.06 – Biotechnology (including bionanotechnology).
- M.Sc. Inorganic and Analytical Chemistry – 2006.
Faculty of Science, Al-Azhar University, Egypt.
Thesis Title: "Chemical Studies on the Interstitial Water of Abu-Qir Bay of Alexandria (Egypt)"
- B.Sc. in Chemistry, Faculty of Science, Al-Azhar University, Egypt (1997-2001).
Specialization: Special Chemistry
Grade: Very Good with honor.
Graduation Year: 2000/2001.

Employment Record

- National Institute of Oceanography & Fisheries.
Associate professor, Lab. of Marine Chemistry, from 27/07/2020 till Now.
- National Institute of Oceanography & Fisheries.
Researcher, Lab. of Marine Chemistry, from 11/07/2012 till 26/07/2020.
- National Institute of Oceanography & Fisheries.
Assistant Researcher, Lab. of Marine Chemistry, from 30/11/2006 till 10/07/2012.
- National Institute of Oceanography & Fisheries.
Researcher Assistant, Lab. of Marine Chemistry from 27/2/2002 till 29/11/2006.

Skills and qualifications:

- Good user of computer (surfer program, Word – Excel – Power Point – Internet).
- Good user of marine instruments: Niskin and Nansen bottles, CTD (YSI 556 MPS model).

- Trained on some analytical instruments such as (HPTLC, LC-MS-MS, Elemental analysis, Microwave plasma-atomic emission spectrometry (MP-AES).
- Hard worker

Activities:

- Has been attended OTGA training course entitled "Research Data Management" which was held and organized by UNESCO/IOC project office for IODE, Oostend, Belgium during 21-25 October 2019.
- Participate in the organization of international conference under the title "Coast to Ocean: Priority Actions and Investments" that was held at the Bibliotheca Alexandrina, Alexandria, Egypt (12-14 February 2019).
- Certified as a reviewer in International Journal of Environmental Monitoring and Analysis (IJEMA) since January 2018
- Has been attended a 1st meeting under the title "the 1st SciVal User Group Meeting in Egypt" which was held at Dusit Thani Hotel, Cairo on 13th November 2018.
- Participate in CRELEV-2016 oceanographic campaign at the eastern Mediterranean Sea on the board of Greek R/V "AEGAEON" from 1/6/2016 to 10/6/2016.
- Has been attended a workshop under the title "Writing a grant proposal" which was held at ENSTINET, Cairo, Egypt on the 12th and 13th of December 2016.
- Has been attended a Conference under the title "Fifth International Conference on Aquatic Resources ICAR-15 "Challenges, Development and Sustainability" 29th – 30th November, 2015, that was held in Sheraton hotel, Alexandria, Egypt.
- Has been attended a Conference under the title "Research and Innovation for Sustainable Development in the Arab Region" that was held in the Occasion of the TWAS-ARO 10th Annual Meeting, from 29 to 30 December 2014, at the Bibliotheca Alexandrina, Alexandria, Egypt.
- Participate in the Environmental Impact Assessment for the Coastal Area of the Mediterranean Sea in Front of PETROJET Company, Alexandria, 2014
- Participation by collecting and analyze samples in the project "monitoring of environmental parameters in Sidi Krier-west of Alexandria-Egypt" funded by National Institute of Oceanography & Fisheries during the period 2012-.2013.
- Has been attended a training course of the European project "FORCE" under the title "Some modern techniques used in fishing, especially trawling," which was held in the National Institute of Oceanography and Fisheries on 26/09/2013.
- Participate in training workshop on "Aquaponics gardening as means for food security - small scale home project", National Institute of Oceanography and Fisheries, Egypt - 26/2/2013.
- Participate in TWAS-ARO 8th Annual Meeting under the title "The Role of Science, Engineering and Technology in Achieving Sustainable Human Development in the Arab Region", held from 30 to 31 December 2012, at the Bibliotheca Alexandrina.
- Participate in the research team of "examination of the environmental impact assessment for the area in front of the Egyptian Company for polypropylene and polypropylene western city of Port Said.
- Member in the scientific team of "Environmental Monitoring Program for Red Sea Harbours" funded by General Authority for Red Sea Ports" (2017- till now).
- Member in the scientific team of "Environmental Monitoring Program for New Suez Canal" funded by Suez Canal Authority (from 2015- till now).
- Participation by collecting and analyze samples in the project "monitoring of environmental parameters in Sidi Krier-west of Alexandria-Egypt" funded by National Institute of Oceanography & Fisheries during the period 2012-2013.
- Member in the scientific team of "Environmental Monitoring Program for the Egyptian Lakes" (2012- till now).
- Member in the scientific team of "Environmental Information and Monitoring Program (EIMP) of the coastal Red Sea, Egypt (2002- till now).
- Participate in several field trips in front of Mediterranean coast, along Alexandria, Egypt.as well as Aqaba and Suez Gulf.
- Participate in the workshop held in Qusier, Red Sea under the title "CORAL REEFS CONSERVATION PROJECT IN THE RED SEA, QUSIER, EGYPT".
- Participate in Hot Spots Project in Abu-Qir Bay, Alexandria, Egypt.

Organization membership:

- Editorial Board Membership in SCIREA Journal of Environment that hosted by Science Research Association Publisher since September 2018.
- Member in "The Arab Society of Material Science" Since 3/2015.
- Member in "Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES)" since 25/4/2014.
- Member in "International Society for Applied Life Sciences" since 22/9/2013.
- Member in "The Environmental Pioneers Association, Alexandria, Egypt" Since 2003

Co-Supervised Theses

- Ph. D. Thesis (2019): Hasnaa El-Bashir Hassan Ghonam "In vitro evaluation of the administration of a marine actinomycete secondary metabolites(s) of a food additive" Faculty of Science, Alexandria University, Egypt. Co-supervisors Prof. Dr. Moustafa Youssef El-Naggar, Dr. Amira Mohsen Hamdan, prof. Dr. Khoulood Mohamed Barakat.
- M. Sc. Thesis (2017): Osama Elsayed Mohamed Eid "Biotechnological Removal of Some Toxic Metals from Water using Nano-Biosorbents" Faculty of Science, Alexandria University, Egypt. Co-supervisors Prof. Dr. Mohamed E. Mahmoud, Prof. Dr. Mohamed A. Shreadah, Dr. Amal R. Rashad.
- M. Sc. Thesis (2017): Marwa El-Sayed Abd El-Gelil Atya "Isolation of bioactive secondary metabolites from marine algae" Faculty of Science, Alexandria University, Egypt. Cosupervisors Prof. Dr. Mohamed Mohamed El Sadek, Prof. Dr. Doaa Ahmed Ghareeb.
- M. Sc. Thesis (2015): Essam Khamis Abdel-Moneim El-Shorbaji "Physico-chemical and environmental studies on lake Mariut, Egypt" Faculty of Science, Alexandria University, Egypt. Co-supervisors Prof. Dr. Mamdouh Saad Masoud, Prof. Dr. Alaa El-Deen Ramadan, Prof. Dr. Aida Botros Tadros.

Publications

1. Heba S. El-sayed, Laila abd el-fattah mohamed, **Mohamed Abd-El-Nnaby Aly-Eldeen**, Hanan M. Khairy. Purification of petroleum wastewater and biodiesel production by Prasinophyte alga *Tetraselmis chunii*. Rom Biotechnol Lett. 2020; 25(4): 1790-1801.
2. Alaa M Younis, **Mohamed A Aly-Eldeen**, Eman M Elkady, 2019. Effect of different molecular weights of chitosan on the removal efficiencies of heavy metals from contaminated water. Egyptian Journal of Aquatic Biology and Fisheries, Vol 23 (4): 149-158.
3. Mohamed A Shreadah, Osama EM Rizk, **Mohamed A Aly-Eldeen**, Amal R Rashad, Mohamed E Mahmoud, 2019. Removal of Some Toxic Ions from Seawater and Wastewater by Sorption onto Natural, Synthetic Hydroxyapatite and Alginate-Hydroxyapatite Composite. Journal of Environmental Protection, Vol 10 (9): 1155-1173.
4. Ahmad M. Azab; **Mohamed A. Aly-Eldeen**; Hassan M. M. Khalaf-Allah; Mohamed M. A. El-Battal, 2019. Effect of heavy metals on the ovary of *Tilapia zillii* in some canals of Nile Delta area, Egyptian Journal of Aquatic Biology and Fisheries, Vol 23 (4): 149-158.
5. El-Damhogy K. A1, Hamdy A. Abo-Taleb1, Hamdy O. Ahmed, **Mohamed A Aly-Eldeen**, and Mohamed M. Abdel-Aal, 2019. The relationship between the concentrations of some heavy metals in the water of Abu-Qir Bay and within the tissues of the blue crab *Portunus pelagicus*. Egyptian Journal of Aquatic Biology and Fisheries, Vol 23 (3): 347-359.
6. Salem, Dalia MSA and Ismail, Mona M and **Aly-Eldeen, Mohamed A.**, Biogenic synthesis and antimicrobial potency of iron oxide (Fe₃O₄) nanoparticles using algae harvested from the Mediterranean Sea, Egypt, The Egyptian Journal of Aquatic Research, 2019, Article in press.
7. El-Said, Gh. F.; El-Sadaawy, M. M.; **Aly-Eldeen, M. A.**, Adsorption isotherms and kinetic studies for the defluoridation from aqueous solution using eco-friendly raw marine green algae, *Ulva lactuca*. Environmental Monitoring and Assessment, 2018, 190, 14-

8. **Aly-Eldeen, Mohamed A** and El-Sayed, Abeer AM and Salem, Dalia MSA and El Zokm, Gehan M. The uptake of Eriochrome Black T dye from aqueous solutions utilizing waste activated sludge: Adsorption process optimization using factorial design. The Egyptian Journal of Aquatic Research, 2018, vol 44 (3): 179—186.
9. Y.A. Leykin, T.A. Cherkasova, **M.A. Aly-Eldeine**, M.A. Miziev. Solid-Phase Biosorbents for Water Purification from Petroleum Hydrocarbons. Safety in technosphere, 2016, vol. 5(3): 48-57, DOI: 10.12737/21723.
10. Mamdouh A. Fahmy, Laila M. Abdel Fattah, Ahamed M. Abdel-Halim, **Mohamed A. Aly-Eldeen**, Ehssan M. Abo-El-Khair, Hoda H. Ahdy, Ahamed Hemeilly, Ahamed Abu El-Soud and Mohamed A. Shreadah. Evaluation of the Quality of the Egyptian Coastal Red Sea Waters during 2011-2013. Journal of Environmental Protection, vol. 7(12), 2016, 1810-1834.
11. Ehsan M. Abo-El-Khair, Laila M. Abdel Fattah, Ahamed M. Abdel-Halim, **Mohamed A. Abd-Elnaby**, Mamdouh A. Fahmy, Hoda H. Ahdy, Ahamed Hemeilly, Ahamed Abu El-Soud and Mohamed A. Shreadah. Assessment of the hydrochemical characteristics of the Suez Gulf coastal waters during 2011-2013. Journal of Environmental Protection, vol. 7(11), 2016, 1497-1521.
12. Ahamed M. Abdel-Halim, **Mohamed A. Aly-Eldeen**, Laila M. Abdel Fattah, Mamdouh A. Fahmy, Ehssan M. Abo-El-Khair, Azza M. khaled, and Ahamed Abu El-Soud and Mohamed A. Shreadah. Environmental studies on the Aqaba Gulf coastal waters during 2011-2013. Journal of Environmental Protection, vol. 7(10), 2016, 1411-1437.
13. Hala Y. El-Kassas, **Mohamed A. Aly-Eldeen** & Samiha M. Gharib. Green synthesis of Iron Oxide (Fe₃O₄) nanoparticles using two selected brown seaweeds: Characterization and application for lead bioremediation. Acta Oceanologica Sinica, vol. 85(8), 2016, pp. 89-98.
14. Ahmed M. Abdel-Halim, **Mohamed A. Aly-Eldeen**. Characteristics of Mediterranean Sea water in vicinity of Sidikerir Region, west of Alexandria, Egypt. Egyptian journal of Aquatic Research, vol. 42, 2016, pp. 133-140.
15. Mamdouh S. Masoud, Aida B. Tadros, Alaa El-Deen R. Mostafa, **Mohamed A. Aly-Eldeen**, Amaal E. Abou-Taleb and Essam Kh. El-Shorbagi. Heavy metals distribution in water and sediment of Lake Mariut, Egypt. Fifth International Conference on Aquatic Resources ICAR-15 "Challenges, Development and Sustainability" 29th – 30th November, 2015, Alexandria, Egypt.
16. **AM Abd-Elnaby**, MA Egorov, 2012. Efficiency of different particle sizes of dried *Salvinia natans* in the removing of Cu (II) and oil pollutions from water. Journal of Water Chemistry and Technology, vol. 34(3), pp. 143-146.
17. **AlyEldeen, M.A.** and Egorov, M.A. Sorption activity of dry biomass (*Salvinia natans*) in the recycling of cadmium from aqueous solutions. Water: Chemistry and Ecology, №7, 2012. P: 59 – 62. **(In Russian)**.
18. **AlyEldeen, M.A.** Efficiency of biosorption of some heavy metals by *Salvinia natans*. Natural Sciences, №3 (36), 2011, P.71-75.
19. **AlyEldeen, M.A.** and Egorov, M.A. Evaluation of antibacterial effect of an extract obtained from *Butomus umbellatus* and *Salvinia natans*. Natural Sciences, №1 (34), 2011, P: 77-80. **(In Russian)**.
20. **AlyEldeen, M.A.** Studies on the content of some toxic substances in the extract of *Salvinia natans* as a possible component in the biotechnological industries. Natural Sciences, №4 (33), 2010, P: 52-55. **(In Russian)**.
21. Ehsan Abo El khair, M.A. Fahmy, and **M. A. Aly Eldeen**, 2010. The role of sediment pore waters in the fertility of Abu Qir Bay, Egypt. Egyptian journal of Aquatic research, vol. 36(4), pp. 523-529.
22. **AlyEldeen, M.A.** and Egorov, M.A. Assessment of heavy metals and pesticides in the extracts obtained from *Butomus umbellatus* for possible using as an additive in some foods. Natural Sciences, №4 (33), 2010, P: 55-59. **(In Russian)**.
23. **AlyEldeen, M.A.**; Abdel-hafiz, E.Y.; Sukhenko, L.T.; Egorov, M.A. Study of microbiological activity of an extract from *Salvinia natans*. Natural Sciences №1 (30), 2010, P: 34-37. **(In Russian)**.

Language Skills

- **Arabic:** Mother language.
- **English:** good.
- **Russian:** good.

References:

Prof. Dr. Mamdouh Amin Fahmy

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