

Curriculum Vitas

PERSONAL DETAILS

Name: **DrMervatAbd El-MagiedMossad**
Job: Lecturer of Environmental Sciences (Environmental chemistry)
Work Address: Environmental Sciences Department, Faculty of Science at Damietta, Mansoura University, New Damietta City, 34517, Egypt.
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ACADEMIC QUALIFICATIONS

March 2004 PhD in Environmental Sciences from Environmental Sciences Department, Faculty of Science at Damietta, Mansoura University, Egypt. PhD Dissertation title is "Novel Methods for Determination and Removal of Some Inorganic Pollutants from Industrial Wastewaters"

September 1997 M.Sc. in Analytical Chemistry from Chemistry Department, Faculty of Science at Damietta, Mansoura University, Egypt. MSc Dissertation title is "Analytical Determination of Some Inorganic Pollutants in Drinking Water in Damietta Governorate"

May 1992 B.Sc. in Chemistry (Very good with honour degree – 82 %) from Chemistry Department, Faculty of Science at Damietta, Mansoura University, Egypt.

WORK EXPERIENCE

April 2004 – Present Lecturer of Environmental Sciences (Environmental Chemistry) at Department of Environmental Sciences, Faculty of Science at Damietta, Mansoura University, Egypt

Sep 2004 – Present A member of the executive team of the Quality Assurance and Accreditation Project at Faculty of Sciences at Damietta, Mansoura University

April 1997 – April 2004 Assistant Lecturer at Department of Environmental Sciences, Faculty of Science at Damietta, Mansoura University, Egypt

Nov 1992 – March 1997 Demonstrator at Department of Environmental Sciences, Faculty of Science at Damietta, Mansoura University, Egypt

TEACHING EXPERIENCE

- Teaching of both undergraduate and postgraduate courses in the Environmental Sciences program; as well as supervising graduation projects in the field of Environmental Sciences.

Undergraduate Courses

- o Environmental Chemistry
- o Marine Chemistry
- o Chemical analysis of seawater
- o Analytical chemistry
- o Instrumental Analysis of Environmental Components
- o General Chemistry (KFU)
- o Analytical Chemistry(KFU)
- o Instrumental Chemical Analysis (KFU)
- o Application of computer in Chemistry(KFU)
- o Environmental Chemistry
- o Environmental Pollution

Postgraduate Courses	<ul style="list-style-type: none"> ○ Chemistry of Inorganic pollutants ○ Environmental Monitoring Systems ○ Environmental Pollution
BSc Summer Training Programme	<ul style="list-style-type: none"> ○ Damietta Drinking Water Treatment Plant ○ Ras El-Bar Wastewater Treatment Plant ○ Damietta Meteorological Station

RESEARCH EXPERIENCE & PUBLICATIONS

- Conduct and develop research programme and initiate joint research initiatives. Supervise postgraduate research students (MSc and PhD) in the field of Environmental Sciences.
- My research interests are in the field of environmental sciences including water quality, environmental analytical chemistry and industrial pollution control.

Journal articles

- M. S. EL-SHAHAWI,†A. S. BASHAMMAKH, and M. ABDELMAGEED.(2011) Chemical Speciation of Chromium (III)and(VI) Using PhosphoniumCationImpregnated Polyurethane Foams Prior to Their Spectrometric Determination,*Analytical Science*, 24,757-763.
- El-Ezaby, K.H., **El-Sonbati, M.A.** and Badr, E.A.(2010) Impact of fish cages on the Nile water quality at Damietta Branch. *Mansoura Journal of Environmental Sciences*, 39 (3), 329 – 344
- El-Shahawi, M.S., Hassan, S.S.M., Othman, A.M.,**El-Sonbati, M.A.** (2008) Retention profile and subsequent chemical speciation of chromium (III) and (VI) in industrial wastewater samples employing some oniumcations loaded polyurethane foams. *Microchemical Journal*, 89 (1), 13 – 19.
- El-Shahawi, M.S., Othman, A.M., Bashammakh, A.S.,**El-Sonbati, M.A.** (2006) Chemical Equilibrium and Sequential Extractive Spectrophotometric Determination of Selenium (IV) and (VI) Using the Chromogenic Reagent 4,4'-Dichlorodithizone, *International Journal of Environmental Analytical Chemistry*, 86 (12), 941 – 954.
- El-Shahawi, M.S., **El-Sonbati, M.A.** (2005) Retention Profile, Kinetics and Sequential Determination of Selenium (IV) & (VI) Employing4, 4-Dichlorodithizone Immobilized-Polyurethane Foams, *Talanta* 67(4), 806 – 815.
- El-Shahawi, M.S., Hassan, S.S.M., Othman, A.M., Zyada, M.A., **El-Sonbati, M.A.** (2005) Chemical Speciation of Chromium(III)&(VI) Employing Extractive Spectrophotometry and Tetraphenyl arsonium Chloride or Tetraphenylphosphonim Bromide as an Ion-Pair Reagent, *Analytical ChimcaActa*, 534, 319 – 326.
- Hassan, S.S.M., El-Shahawi, M.S., Othman, A.M., **El-Sonbati, M.A.** (2005) A Novel potentiometric chromium – rhodamine B membrane sensor for selective determination of chromium (III) and (VI) in wastewater, *Analytical Science*, 21, 673 – 678.
- Elkourashy, A., Kabil, M.A.,Rashed, I.G., **El-Sonbati, M.A.** (1998) Analytical Determination of Some Inorganic Pollutants in Drinking water in Damietta Governorate, *Journal of Analytical Chemistry (Egypt)*, 7, 45 – 57.

Conference Proceeding

- Mervat A. **El-Sonbati**, Azza M. Al-Asmer, Mohamed A. Zyada and Mahmoud S. Ibrahim. (2009). "Assesment of Some Pollutants Produced from Industrial Activities at Damietta Governorate – Egypt".Proceeding of the 4th International Environmental Conference, Faculty of Science at Damietta, Egypt.
- Azza M. Al-Asmer, Mervat A. **El-Sonbati**, Mohamed A. Zyada and Mahmoud S. Ibrahim. (2009). "Comparative Studies of Some Industrial Wastewater Treatment Techniques". Proceeding of the 4th International Environmental Conference, Faculty of Science at Damietta, Egypt.

- Maha A. El-Hagrasy, Mervat A. **El-Sonbati** and Magda F. El-Adle. (2009). "Removal of Copper from Wastewater Using Some Green Algae". Proceeding of the 4th International Environmental Conference, Faculty of Science at Damietta, Egypt.
- Badr, E.A. and **El-Sonbati, M.A.** (2008) Strategic Environmental Assessment for Achieving Sustainable Development in Egypt. *Proceeding of the 3rd International Scientific Conference for Environment – November 2008*, 68 – 79, South Valley University, Egypt

Funded research projects

- Characterisation sources and types of River Nile pollution at Damietta Governorate, evaluate their effects on drinking water and suggest low cost treatment techniques. Funded by the Research Unit of Mansoura University, 2008.
- Environmental studies for quality improvement of Ras El-Bar Municipal Wastewater Treatment Plant using integrated anaerobic / aerobic system funded by the Research Unit of Mansoura University, 2006.

Conferences

30 March–1 April 2009	The Forth International Environmental Conference under the theme of Environment, Industry and Development, Faculty of Science at Damietta, Egypt (Participate).
10–13 th Nove. 2008	The Third International Conference “Recent Environmental Problems and Social Sharement” South Valley University, Luxor, Egypt (Participate).
1 – 3 April 2008	The Third International Conference under the theme of Environmental Sciences and Technology, National Research Centre-Environmental Research Division, Egypt (Participate).
14 Feb. 2008	Medical Biochemistry and Molecular Biology: New Horizons in Environmental Promotion Medical Biochemistry Department, Faculty of Medicine, Mansoura University, Egypt (attend).
13 – 14 June 2006	The First Scientific Conference under the title: "Environmental pollution and its impact on the society". Held by faculty of Science, Zakazeek University, Egypt (attend).
7 – 9 June 2006	The First International Conference about the healthy water in the Arabic world under the title: "The healthy water is right for all, Healthy water for healthy citizens". Held by Arab Healthy Water Association, Egypt (attend).
24 – 25 Sep 2002	The Third Environmental Science Conference: “Environment, Health and Development”. Held by Environmental Sciences Department, Faculty of Sciences at Damietta, Mansoura University (Participate).
11 – 13 Nov 2001	The Second Environmental Science Conference: “Environmental Maintenance and Sustainable Development”. Held by Environmental Sciences Department, Faculty of Sciences at Damietta, Mansoura University (Participate).
26 – 27 Sep 2000	The First Environmental Science Conference: “River Nile Environment and Human Health”. Held by Environmental Sciences Department, Faculty of Sciences at Damietta, Mansoura University (Participate).

Workshops/ Seminars

- 23-24 April 2012 Workshop "Securing Community Engagement: More Than just Academic Wallpaper (NCAAA) from King Faisal University.
- 19th January 2010: A workshop on "Declaration, configuration, creation and selection of board unit graduates". Arranged by the Quality Assurance Unit, Faculty of Science at Damietta.
- Academic year 2009/2010: attending a number of workshops about quality assurance and accreditation, arranged by the Quality Assurance Unit, Faculty of Science at Damietta.

- 15th November 2009: A workshop on " Update and review the Vision and Mission". Arranged by the Quality Assurance Unit, Faculty of Science at Damietta.
- 28th October 2009: A workshop on "Electronic learning: programs and services" arranged by the Electronic Learning Unit at Faculty of Science, Mansoura University, Egypt.
- 30 September 2009: A workshop on "Discuss the report of the peer reviewers". arranged by the Quality Assurance Unit, Faculty of Science at Damietta.
- 20th August 2008: A workshop on" CIQIP Project". arranged by the Quality Assurance Unit, Faculty of Science at Damietta.
- 31th March 2008: A workshop on"Development of managerial skills and training". arranged by the Quality Assurance Unit, Faculty of Science at Damietta.
- 18th March 2008: A workshop on"Conditions and standards for the production of e-courses". arranged by the Quality Assurance Unit, Faculty of Science at Damietta.
- 6th November 2007: A workshop on "applications of radioisotopes in the field of hydrology and environmental studies" Faculty of Science at Damietta, Mansoura University, Egypt
- 7th April 2007: A workshop on"Quality Assurance and Peer Review Visit "arranged by the Quality Assurance Unit, Faculty of Science at Damietta.
- 28th March 2007: A workshop on"Peer Review"arranged by the Quality Assurance Unit, Faculty of Science at Damietta.
- 6th May 2006: A workshop on" Assessment of learning outcomes ILOs" arranged by the Quality Assurance Unit, Faculty of Science at Damietta.
- 9th June 2006: A workshop on"Guidelines for Writing Program Specification" arranged by the Quality Assurance Unit, Faculty of Science at Damietta.
- 3-5 September 2006: A workshop on"Quality assurance and accreditation and Scientific research and Theses writing". arranged by the Quality Assurance Unit, Faculty of Science at Damietta.
- 25th March 2006: A workshop on" E-Learning and learning resources". Arranged by the Electronic Learning Unit, Faculty of Science at Damietta.
- 27 Nov. 1998: A workshop on "Environmental Auditing for Industrial Institutions" Arranged by Faculty of Engineering, Mansoura University, Egypt.
- 2 April 1996: A workshop on "Air Quality in Dakhlia Governorate, Mansoura University, Egypt" arranged by Faculty of Engineering, Mansoura University, Egypt.

OTHER SKILLS

Computer Skills	<ul style="list-style-type: none"> ○ Information and Communication Technology Programme (ICTP; equivalent to ICDL) with experience of using Microsoft Office, e.g., Word, Excel, PowerPoint, Access, Outlook, FrontPage and managing files / information. ○ Other specific software including statistical analysis such as internet user and web search.
Language competence	<ul style="list-style-type: none"> ○ Arabic is mother language ○ English (Good), French (Elementary)
Awarded Skills	<ul style="list-style-type: none"> ○ Communication, presentation and team work ○ Experience in applying advanced techniques for drinking and wastewater treatment. ○ Experienced on the water pollution monitoring and control. ○ Participating in an Environmental Impact Assessment (EIA) studies

PROFESSIONAL TRAINING AND QUALIFICATIONS

11-12 March 2013	Training program" Saudi Digital Library and electronic information resources" Deanship of Library Affairs, King Faisal University.
8-9 Oct. 2012	Training program "Prezi Presentation" Deanship of Academic Development, King Faisal University.

24-25 Sep. 2012	Training program "Latex Typesetting Language" Deanship of Academic Development, King Faisal University.
18-29 Feb.2012	Training program "Effective Use of E-Learning" from Deanship of Academic Development, King Faisal University.
26 /4/1433 (2012)	Training program "Institutional and Program Eligibility Requirements "College of Applied Studies and community Service, King Faisal University.
2-4 Oct.2011	Training program "Orientation and Training program for New Faculty. From Deanship of Academic Development, King Faisal University.
1April-20 Aug. 2009	Information, Communication Technology Project, ICTP from Supreme Council Of Universities, Central Unit of ICT Training.
17-19 August 2008	Competitive Research Projects from University Development Centre, Mansoura University, Egypt.
20-22 April 2008	Quality Standards in higher Education from University Development Centre, Mansoura University, Egypt.
14 – 16 Jan 2007	Credit hours system training program from University Development Centre, Mansoura University, Egypt.
1 – 2 Jan 2006	Course and Curriculum Design training program from University Development Centre, Mansoura University, Egypt.
5 – 7 June 2005	University Job Ethics training program from University Development Centre, Mansoura University, Egypt.
22 – 25 May 2005	Advanced Trends in University Teaching training program from University Development Centre, Mansoura University, Egypt.
14 – 26 April 2000	Training visit to School of Environmental Sciences, University of Plymouth, England. Earned practical skills of using advanced techniques for determination and monitoring of different pollutants in natural waters (such as Total Organic Carbon Analyzer, Inductively Coupled Plasma, Stripping Voltammetry and Nutrients Auto Analyzer).
11 – 16 April 1998	Training Course on "Industrial Importance of Using Different Spectroscopic Analysis Techniques" from Chemistry Department, Faculty of Sciences, Mansoura University, Egypt.
18 – 29 May 1997	Training Course on "Water Pollution with Heavy Metals" from National Research Centre, Cairo, Egypt.

REFERENCES

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