CURRICULUM VITAE

**Hisham El-Zayat**

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**Academic Degrees/Certificates**

Nov. 1996 : PhD (environmental studies) from Alexandria University, Alexandria, Egypt.

July 1990 : UNESCO/UNEP Diploma in Environmental Management and Protection from Dresden University of Technology, Dresden, Germany.

July 1988 : MSc in Environmental Studies (Biological & Medical Branch) from Alexandria University.

June 1981 : BSc in Genetics and Agricultural Sciences from Alexandria University, Alexandria, Egypt.

Oct. 2002 : Certificate in Web Technology Essentials from University of Washington, Seattle, WA, USA.

**Occupation**

Oct. '11 – Jul. '15 : Assistant professor at the College of Applied Medical Sciences, University of Dammam, Kingdom of Saudi Arabia.

Jan. '97 - present : Assistant professor at the Institute of Graduate Studies and Research (IGSR), Alexandria University. Duties include: teaching; conducting research, supervising graduate students’ projects; organising academic conferences and training workshops; and providing consultation services to the businesses and the community.

Sep. '88 - Jan. '97 : Instructor at the Institute of Graduate Studies and Research, Alexandria University. Duties include: assisting in teaching, research, and conference organisation.

June '83 – Sep. '88 : Demonstrator at the Institute of Graduate Studies and Research, Alexandria University. Duties include: assisting in teaching, research, and conference organisation.

Apr. '81 - June '83 : At military service.

Dec. '81 - Apr. '82 : Research Assistant at University of Alexandria Research Centre (renamed the Institute of Graduate Studies and research in 1983). Duties include: assisting in research and consultation services.

**Main Lines of Experience**

Teaching; research; preparation of educational materials; organisation of conferences, workshops, and training courses.

Development and accreditation of academic programs.

Technical and scientific writing (in Arabic and English); technical translation.

Fostering a culture of collaboration between university and industry.

**Research Interests**

Environmental management

**Teaching Interests**

Environmental management, environmental impact assessment, environmental risk assessment; environmental education; statistical analysis and research methods in environmental studies; computer use in education; scientific writing; word processing and written communications; technical information design; web technology essentials; information technology management.

**Miscellaneous Occupational Activities**

* Member in the Cultural Relationships Committee, IGSR, August 2003 – 2008.

**Computer Skills**

* Web development and design (HTML, JavaScript, Perl; Active Server Pages; Macromedia Dreamweaver)
* Internet technology and applications
* Effective document design and desktop publishing
* Database management systems (Microsoft Access)
* Scientific computer programming in BASIC and FORTRAN

**Membership**

Member in the International Association for Impact Assessment (IAIA)

Salzburg Seminar Fellow (Austria)

Humphrey Fellow (USA)

Member in the Association of the Arab Environmental Experts (Egypt).

Member in the Syndicate of Agriculturists (Egypt).

**Languages and Degree of Proficiency**

Arabic : Native

English : Excellent

French : Intermediate

German : Basic

**General Interests**

Popularization of science, photography, foreign languages, translation, travelling.

**Awards and Grants**

* Second to winners of the Award of Kingdom of Saudi Arabia for Environmental Management 2006.
* The “Humphrey Alumni Impact Award”, the Institute of International Education, Washington, DC, USA, 2003.
* Humphrey Program Fellowship, the Institute of International Education, Washington, DC, USA, 2001-2002.
* UNESCO scholarship for participating in the "International Postgraduate Training Course in Environmental Management", 1989-1990.

**Consulting and other Professional Services**

* The coordinator of the Curriculum Development Committee in the Department of Environmental Health, College of Applied Medical Sciences, University of Dammam, Dammam, KSA (2013-2014).
* Design of curricula for environmental courses, the BSc program in Environmental Health, Dubai Branch, Alexandria University, May 2005.
* Preparation of an environmental impact assessment study for the Project of Relocation of in-Town Alexandria Metal Workshops, a project funded by the Egyptian Social Fund, March – September 2001.
* Preparation of environmental education materials (particularly on solid waste management) for the USAID-funded Environmental Education and Communication Project (a component of Gore-Mubarak Agreement); GreenCOM-Egypt, 1 July – 15 September 2000.
* Preparation of educational and promotional materials for the USAID-funded Pollution Prevention Project in Cairo (EP3); Hagler Bailly – Egypt, September 1997 – October 1998.

**Organisational and Community-Service Activities**

* Volunteer Awards judge for the Intel - Bibliotheca Alexandrina Science and Engineering Fair (BASEF) 2010, Alexandria, Egypt, 10-11 March, 2010.
* The coordinator of “Information Technology, Design, and Management: An Intensive Workshop for Educators”, The Arab Academy for Science and Technology, Alexandria, Egypt, 5-10 July 2003.
* The coordinator of “Technical Information Design Workshop”, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt, 28 June – 1 July 2003.
* A lecture on “information technology and its applications” to distinguished Alexandria preparatory school students, Students Sponsorship Association, Alexandria, Egypt, 3 March 2003.
* Member of the organizing committee of the International Conference on Environmental Management, Health, and Sustainable Development, 22-25 March 1999, Alexandria, Sponsored by UNESCO Molecular Cell Biology Network, Egyptian Ministry of Environment, University of Alexandria, and US Army Reed Institute.
* Instructor in environmental awareness-raising workshops for Cairo school teachers, sponsored by the commission of PLAN for Social Development in Cairo, 2-7 August 1998**.**
* The coordinator of the “Regional Workshop for the Middle East Region on the Application of Computers and Information Technology to Science Education”, Alexandria, July 1997, Sponsored by the International Development Research Centre (IDRC).
* The coordinator of a post-experience training course on the “Art of Word Processing”, Inst. of Graduate Studies, Alexandria, March 9-12, 1997.
* A public lecture on the dimensions of pollution and environmental problems to the personnel of the Agricultural Quarantine of Alexandria Harbour upon an invitation from the State Information Centre Marine Terminal, Monday 6, 1995 in celebration of the World Environment Day.
* Member of the organising team of the In-service Workshop on Environmental Education sponsored by International Development Research Centre (IDRC) and the Egyptian Environmental Affairs Agency (EEAA); organised by the Institute of Graduate Studies, Alexandria University and the Ministry of Education, March 19-21, 1994.

**Participation in Postgraduate Training, Courses, Workshops, Conferences, and Seminars**

* Salzburg Global Seminar Session 558, “Untapped Talent: Can Better Testing and Data Accelerate Creativity in Learning and Societies?”, the Salzburg Global Seminar, Salzburg, Austria, 12-17 December 2015.
* Teaching for Creativity and Innovation (a workshop developed by the International Center for Studies in Creativity, Buffalo State University, NY, USA), Deanship of Educational Development, University of Dammam, Dammam, Saudi Arabia, 17-18 November 2014.
* Advanced Teaching Strategies in Higher Education (a workshop developed by the International Institute of Academic Development, Canada), Deanship of Educational Development, University of Dammam, Dammam, Saudi Arabia, 28-29 April 2014.
* Online Course entitled “Radiation Safety: Disaster Preparedness”, University of North Carolina Center for Public Health Preparedness, 14 February 2014.
* Training Course on Fundamental of Teaching and Learning (39 contact hours), College of Applied Medical Sciences, University of Dammam, 14 November – 26 December 2013.
* Course Portfolio Workshop, Deanship of Quality and Academic Accreditation, University of Dammam, 14 May 2013.
* Environmental Health Symposium, Saudi Aramco, Holiday Inn, Al Khobar, Saudi Arabia, 6-7 May 2013.
* Third International Conference on Quality Assurance in Postsecondary Education, Sheraton Hotel, Dammam, Saudi Arabia, 27-29 April 2013.
* Symposium entitled “Environmental Impact Assessment: Challenges and Solutions”, University of Dammam, Dammam, Saudi Arabia, 7 April 2013.
* Output-Based Education Seminar, Deanship of Quality and Academic Accreditation, University of Dammam, Dammam, Saudi Arabia, 12 February 2013.
* Seminars on Applications of Radiation Sources in Medicine, Research & Industry, Radiation Accidents around the World and Lessons Learned, Human Capacity Development in Nuclear Industries, University of Dammam, Dammam, KSA, 5 March 2012.
* AMERICANA 2009 - International Environmental Trade Show and Conference, Montreal, Canada, 17-19 March 2009.
* International Sustainability Conference (ISC 2008), Basel, Switzerland, 21-22 August 2008.
* Innovation and Technology Transfer to the Egyptian Industry: Exploring the German Model, 10 June 2008.
* IAIA08: 28th International Association for Impact Assessment Annual Conference: The Art and Science of Impact Assessment, Perth, Australia, 4-10 May 2008.
* IAIA06: 26th International Association for Impact Assessment Annual Conference: Power, poverty, and sustainability: the Role of impact assessment, Stavanger, Norway, 23-26 May 2006.
* Strategic Environmental Assessment: Experience and Good Practices in Strategic Approaches to Assist Decision Making, An IAIA training course, Stavanger, Norway, 21-22 May 2006.
* E-Learn 2005: 10th Annual World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Vancouver, Canada, 24-28 October 2005.
* Teaching with Technology Workshop, Staff, and Leadership Development Project (FLDP), Alexandria University, Alexandria, Egypt, 8-11 October 2005.
* Code of Ethics Workshop, Staff, and Leadership Development Project (FLDP), Alexandria University, Alexandria, Egypt, 24-26 September 2005.
* Thinking Skills Workshop, Staff, and Leadership Development Project (FLDP), Alexandria University, Alexandria, Egypt, 9-12 April 2005.
* Effective Presentation Skills Workshop, Staff, and Leadership Development Project (FLDP), Alexandria University, Alexandria, Egypt, 19-22 March 2005.
* Development Partnership Forum: Improving Donor Effectiveness in Combating Corruption, 9-10 December 2004, Paris, France; organized by the Development Assistance Committee of the Organisation for Economic Co-operation and Development and Transparency International.
* Conference on Economic Aspects of Environmental Compliance Assurance, 2-3 December 2004, Paris, France; organized by the OECD Global Forum on Sustainable Development and the International Network of Environmental Compliance and Enforcement (INECE).
* Salzburg Seminar Session 419, “Changing Concepts of International Educational Exchange and Mobility”, the Salzburg Seminar, Salzburg, Austria, 24-29 July 2004.
* Training of Trainers Workshop, the Faculty, Staff, and Leadership Development Project (FLDP), Cairo, Egypt, 10-14 April 2004.
* Thematic and Spatial Database Design and Management, International Institute for Geo-information Science and Earth Observation (ITC), Enschede, the Netherlands, 17 May – 4 June 2004.
* Spatial Information for Environmental Impact Assessment (EIA) and Strategic Environmental Assessment (SEA), International Institute for Geo-information Science and Earth Observation (ITC), Enschede, the Netherlands, 19 April – 14 May 2004.
* Eighty-hour German Language Course for Beginners, the Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt, April 2003 – March 2004.
* Salzburg Seminar Session 414, “Environmental Policy and Public Dialogue”, the Salzburg Seminar, Salzburg, Austria, 16-23 Nov. 2003.
* Internship at Department of Technical Communication, University of Washington, Seattle, Washington, USA, 26 June – 26 July 2002.
* Twenty-eight-credit coursework in leadership skills, computer- assisted instruction, computer documentation, the computer in technical communication, Internet technologies and applications, IT management and planning, and bioinformatics; University of Washington, Seattle, Washington, USA.
* Workshop of the European Commission Initiative Partenariat EU-ME, *Euro-Middle East Business: The New Alliance*, Cairo, 8 Dec. 1994.
* EPA course # SI:473A Beginning Environmental Statistics Techniques developed by Air Pollution Training Institute, United States Environmental protection Agency, Sept. 1994.
* Short course in "Radiological Safety", Office of Radiological Safety, Texas A&M University, Texas, U.S.A., Fall 1991.
* First Autumn Workshop on Mathematical Ecology, ICTP, Trieste, Italy, 31 October - 18 November 1988.
* Workshop of "Preparation of the University Teacher", Faculty of Education, Alexandria University, Alex., Egypt, 17 September - 5 October 1988.
* International workshop on the "Use of Microcomputers in Teaching Natural Sciences", Assiut University, Aswan, Egypt, under auspices of the International Centre for Theoretical Physics (ICTP), 14 - 24 January 1988.
* Advanced English Course, American Cultural Centre, Alexandria, Egypt, January 1982 - February 1982.
* Training course in "Instrumental Analysis", UNARC, December 1981 - March 1982.
* Postgraduate course on "Scientific Computer Programming in FORTRAN", University of Alexandria Research Centre (UNARC), Alexandria, December 1981 - March 1982.

**Short Visits Abroad**

***U.K.*** (30 Jul. - 18 Aug. '90): Department of Environmental Biology, Manchester University, Manchester.

***Austria*** (23-26 Apr. '90): International Institute for Applied Systems Analysis, Laxenburg; Institute of Ecology, Vienna.

***Former Czechoslovakia*** (17-23 Apr. '90): Czechoslovak Academy of Sciences Institute of Landscape Ecology; Commission for a Comprehensive Research on Developing Countries; and UNIDO-Czechoslovakia Joint Programme, Non-Metallic Industries, Pilsen.

**Articles, Booklets, and Books**

The following articles were written for the Research Support Unit, College of Applied Medical Sciences, University of Dammam, Dammam, KSA:

* Punctuation and Formatting in Academic Writing: A non-formal approach for Arabic-speaking novice research-authors (December 2013).
* How to select your first-time research topic (February 2013).
* A Short Introduction to the Case Study Research (2012).

*The essence and philosophy of statistical analysis of research data*. Not published yet.

هشام الزيات، دليل القارئ العربي إلى تقييم الأثر البيئي، في الإعداد.

[Hisham Elzayat, *Arab Reader’s Guide to Environmental Impact Assessment*, in preparation.]

هشام الزيات وآخرون، فن الكتابة باستخدام الكمبيوتر، تحت الاعداد.

[Hisham Elzayat *et al*., *The Art of Word Processing*, in preparation.]

هشام الزيات، الإدارة البيئية: الجوهر والمفاهيم الأساسية، جائزة زايد الدولية للبيئة، دبي، 2010.

[Hisham Elzayat, *Environmental Management: Essence and Fundamental Concepts*, Zayed International Prize for the Environment, 2010.]

هشام الزيات وآخرون، كل ما تريد أن تعرفه عن إلتهاب الكبد الوبائي سي، مثوفر على الانترنت من 2003-2009.

[Hisham Elzayat *et al*., *A Patient Guide to Hepatitis C*, available online 2003-2009.]

هشام الزيات، الهندسة الوراثية وبعض تطبيقاتيها، مجلة الجامعة والصناعة، العدد الرابع يونيو 1983.

[Hisham Elzayat, *Genetic engineering and its application*, University and Industry, no. 4, June 1983.]

**Research Works**

El-Zayat H, Abozaid S, Development of environmental management and protection in an Egyptian pesticides-producing company.

El-Zayat, H.M. (1996). Assessment and raising of environmental education and awareness in Egypt: A case study of Alexandria. Ph.D. thesis, Alexandria University, Alexandria.

Elzayat, H.M. (1990). Some guidelines of special importance for environmental education in Egypt. Final paper for the Diploma of Environmental Management and Protection, Dresden Univ. of Technology, Dresden, Germany.

Elzayat, H.M. (1988). Two-way system for detecting environmental mutagens. MSc thesis, Alexandria University, Alex., Egypt.

**Research Papers and Scholarly Articles**

El-Zayat H, Abozaid S, Development of environmental management and protection in an Egyptian pesticides-producing company. In preparation*.*

El-Zayat h, Sustainable Development in developing countries between rhetoric and reality: An insider’s perspective. Accepted for presentation in the **2nd International Sustainability Conference:** Creating Values for Sustainable Development , **21-22 August 2008, Basel, Switzerland (**[www.isc2008.ch](http://www.isc2008.ch)**).**

El-Zayat H, and Elsheikh, A, Profiling EIA professionals in Egypt. Presented in the 28th International Association for Impact Assessment Annual Conference: The Art and Science of Impact Assessment, Perth, Australia, 4-10 May 2008 (abstracted in p 48 of the Final Program).

El-Zayat H, EIA in Egypt: Progress, problems, and the role of international development agencies. Presented in the 26th International Association for Impact Assessment Annual Conference, Stavanger, Norway, 23-26 May 2006 (Abstract #127 in the Abstracts volume, p. 109).

El-Zayat H, Nour-Eldin H A, and El-Sherbiny M M, Instructors’ use of the Internet in Alexandria University, *Proceedings of E-Learn 2005—World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education*, Vancouver, Canada, 24-28 October 2005, pp 1612-20.

El-Zayat H, Ibraheem G, and Kandil S, The response of industry to environmental regulations in Alexandria, Egypt. *Journal of Environmental Management*, **79** (2006): 207-214***.***

Kandil S and El-Zayat H, Environmental education: Basic concepts and innovative approaches, Paper presented at *First International Conference on Educational Reform in the United Arab Emirates: An international Perspective*, Dubai, 13-15 April 1999.

Kandil S H, Eissa M A, and El-Zayat H, Industrial pollution prevention: A case of international cooperation, Paper presented at *Conference on "The Impact of Environmental Pollution on Development in the Gulf Region"*, Kuwait, 15-17 March 1999.

El-Zayat H M, Gaber S M, Helmi S, El-Seehy M A, Shalaby H G and Mostafa M H, Interference of Heavy Metals in rRNA Synthesis, Paper presented in *The First Anglo-Egyptian Conference on Bioscience and Technology*, Nov. 1990, Alexandria, Egypt.

Seehy M A, Helmi S, Shalabi H G, and Ezzayat H, Mercury and paraquat dichloride induced alterations in chromatin physiochemical properties, *Egypt.J.Genet.Cytol.* **19**: 147-157, July, 1990.

Helmi S, Shalabi H G, Seehy M A, Mostafa M H, and El-Zayat H M, Mercuric-chloride induced changes in three genetic systems: *Ascobolus immersus*, *Saccharomyces cerevisiae*, and *Vicia faba*, *J.Agric.Sci. Mansoura Univ.*, **14**(4), 2512-2523, 1989.

Helmi S, El-Seehy M, El-Zayat H and Mostafa M H, Genotoxicity of inorganic mercury, presented in *5th Int. Conf. on Environ. Mutagens*, July 10-15 1989, Cleveland, Ohio (USA).

**My Students’ Research Projects**

***Graduate-Student Projects***

Sayed Abozaid (2008). A study on the development of environmental management in Egyptian industry: the case of a pesticide manufacturing company. Diploma project, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt.

Ashraf Elsheikh (2008). Profiling EIA professionals in Egypt. Diploma project, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt.

Mostafa M. Hamed (2006). The role of environmental nongovernmental organizations in Egypt. Diploma project, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt.

Kout-el-Koloub Ibrahim (2005). Assessing the Effectiveness of EIA Process in Egypt. MSc thesis, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt.

Yasser M. Fathy (2003). Important Guidelines for Environmental Management of Petrochemical Industries in Egypt. Case Study: Sidi Kerir Petrochemicals Company (SIDPEC). Diploma project, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt.

Gihan H. E. Ibrahim (2003). Conceptions of Alexandria Industry towards Environmental Protection Measures. MSc thesis, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt.

Mona K. M. Nafie (2003). Enhancing Environmental Education via Information Technology: Potentials, Problems, and Needs. MSc thesis, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt.

Nagla’a F. El-Sayed (2001). Important Guidelines for Environmental Assessment of Aquaculture Projects in Egypt. Diploma project, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt.

Afrah M. A. Sehsah (2000). Multimedia Applications in Environmental Education: A Prototype for a Multimedia Encyclopedia of Environmental Science. Diploma project, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt.

Asia A. M. El-Sbia (1999). An Assessment of the Desertification Problems in North Africa. Diploma project, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt.

Yasser M. H. M. Hassan (1999). Assessment of Waste Glass Recycling in Alexandria. Diploma project, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt.

Gina M. M. Younis (1999). Internet Applications in Environmental Studies. Diploma project, Institute of Graduate Studies and Research, Alexandria University, Alexandria, Egypt.

***Student Graduation Projects***

K. Al-Harthy, S. Al-Rashii, and A. Al-Qahtani (2014). Guidelines for Environmental Management of MSF Desalination Plants in the Gulf Area. Graduation project, Department of Environmental Health, University of Dammam.

A. Alawad, A. Aljaroudi, and H. Aljubarah (2014). Identifying the Main Factors Responsible for Traffic Accidents and Injuries among University of Dammam Students. Graduation project, Department of Environmental Health, University of Dammam.