

CURRICULUM VITAE

PERSONAL

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EDUCATIONAL

Institutions Attended:

1985-1989 Faculty of Dentistry, University of Alexandria, Egypt.
1989 B. D. Sc.: Bachelor Degree in Dental & Oral Medicine and Surgery from Faculty of Dentistry, University of Alexandria, Egypt.
1989-1990 Residency, Faculty of Dentistry, University of Alexandria, Egypt.
1991 Residency, Mother and Child Health Care Hospital, Alexandria, Egypt.
1992-1994 M.Sc. Research work in Environmental Health Studies, Institute of Graduate Studies & Research, University of Alexandria, Egypt.
1994 M. Sc.Degree in Environmental Health Studies, Institute of Graduate Studies & Research, University of Alexandria, Egypt.
Sep-Nov1993 Training Course for the laboratory work of the M.Sc., Laboratoire de Chimie Bacterienne, CNRS, Marseille, France.
1995 Ph. D. registration, Institute of Graduate Studies & Research, University of Alexandria, Egypt.
Mar1996-May1998 Double Supervision Scholar (Channel Program) for Ph.D. Research Work, Department of Biochemistry, University of Texas Health Science Center at San Antonio (UTHSCSA), San Antonio, TX, USA.
1998 Ph.D. in Environmental Health, Institute of Graduate Studies & Research, University of Alexandria, Egypt.
Supervisors: Prof. Bettie Sue Masters (USA) and Prof. Mostafa Hassan Mostafa (Egypt)

Academic Affiliations:

1992-1994 Instructor, Institute of Graduate Studies & Research, University of Alexandria, Egypt.

1995-1998	Assistant Lecturer, Institute of Graduate Studies & Research, University of Alexandria, Egypt.
1998-2003	Lecturer, Institute of Graduate Studies & Research, University of Alexandria, Egypt.
2003-2008	Associate Professor, Institute of Graduate Studies & Research, University of Alexandria, Egypt.
2009-Now	Professor, Institute of Graduate Studies & Research, University of Alexandria, Egypt.

Awards:

2015: ICRET /UICC - ICR/2014/337432 for cancer research.

2011: Alexandria University award for young professorship.

2008: Alexandria University award for encouraging excellent researchers.

1994: Prof. Sallem award for excellent grades in Health Sciences in Master Degree.

1990: Several awards for excellent grades during faculty studying in Bachelor Degree.

Subjects/Courses Studied:

1989	B. D. Sc.: Bachelor Degree in Dental & Oral Medicine and Surgery from Faculty of Dentistry, University of Alexandria, Egypt.
Sep-Nov1993	Training Course for Assessment of nitrates, nitrites and nitrate reductase activity in biological fluids at Laboratoire de Chimie Bacterienne, CNRS, Marseille, France.
1994	M.Sc.: Master Degree in Environmental Health Studies from Institute of Graduate Studies & Research, University of Alexandria, Egypt. Title of M.Sc. Thesis: “Assessment of nitrates, nitrites and nitrate reductase activity in saliva of oral cancer patients: a case-control study ”
1996-1998	Ph.D. studies and research work in Department of Biochemistry, UTHSCSA, San Antonio, TX, USA. Title of Ph.D. Thesis: “Studies on the cytochrome P450-mediated metabolism”.
April 8-19,1996	Training Program in “ Radioisotope User’s Course” in UTHSCSA, San Antonio, TX, USA.

Research Experience

1. Public health, Occupational medicine, and Environmental Health disciplines.
2. Cancer research, epidemiology and statistics, environmental exposure influences, molecular carcinogenesis and biomarkers, apoptosis, senescence, and cancer prevention.
3. Carcinogenicity, cell culture and molecular markers for early cancer detection.
4. Environmental Health Sciences and Molecular Carcinogenesis
5. Oral Medicine and Dental Surgery, and Public Health
6. Biochemical assays, Molecular Biology, and Enzymology (in Master Degree Work: work was performed in CNRS, Marseille, France; and in PhD research work: was performed in UTHSCSA, San Antonio, TX, USA).

Memberships:

1. Member in the European Association for Cancer Research
2. Member in the Egyptian Public Health Association.
3. Member in the Society of Material Science, IGSR, University of Alexandria, Egypt.
4. Member in the Society of Medicine and law.
5. Member in the Society of Environmental Friends.
6. Member in the Arab Healthy Water Association (AHWA).
7. Member in the Syndicate of Dentists (Egyptian Dental Union).
8. Member in the Arab Association for Occupation Safety experts.

Teaching Responsibilities

Teaching for postgraduate students at IGSR the following courses

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|------------------------------------|--|
| 1. Occupational Health & Safety | 6. Occupational Risk Assessment |
| 2. Workplace hazards | 7. Occupational Health and Safety Management |
| 3. Occupational diseases | 8. Environmental Toxicology |
| 4. Sampling & Research Methodology | 9. Quality control in industrial organizations |
| 5. Environmental Health Hazards | 10. Public Health & Environment |

Social & Scientific Work :

1. Organizing and teaching of annual training for public and industrial sectors entitled: Community-based public health awareness & education for cancer prevention, since 2003-now.
2. Organizing and teaching of annual training for industrial sector, on "Occupational Health & Safety", Since 2003-Now.
3. Annual attendance of international scientific conference in the field of specialization.

Joint Research Project:

1. Organizer and contributor in the, IGSR, Institutional "Higher Education Quality Assurance Project; QAP", 2008-2009, and "Higher Education Continuous Improving and Quality Assurance Project, CIQAP", 2010-2014.
2. Principal Investigator of the: Swedish Egyptian Joint Research Project (2008-2010) with Prof. Klas Wiman, KCC, Stockholm, Sweden, entitled: "Studies on the effect of the mutant p53-targeting compound PRIMA-1 in human hepatocellular carcinoma".
3. Principal Investigator of the: EGYPT-FRANCE SCIENTIFIC AND TECHNOLOGICAL COOPERATION PROGRAM "IMHOTEP" (2007-2008) with IARC, Lyon, France, entitled: "Plasma DNA as a biomarker for environmental stress and early cancer detection".
4. Principal Investigator of Tempus Individual Mobility Grant (EG3004-2006) to IARC, Lyon, France: on Using plasma DNA as a biomarker for early cancer detection.
5. Contributor in Project of "Environmental Education Program for Rehabilitation of Street Children"; 2004-2007.

LIST OF PUBLICATIONS

1. **Hosny G**, Elghayish M, Noweir K. (2017). Health risk assessment for benzene-exposure in oil refineries. *International Journal of Environmental Science and Toxicology Research* (ISSN: 2408-7262) Vol. 5(1) pp. 23-30
2. **Hosny G**, Kamil LA, Foda N. (2017). Assessment of quality of life for hemodialysis patients in Iraq. *International Journal of Environmental Science and Toxicology Research* (ISSN: 2408-7262) Vol. 5(1) pp. 10-22.
3. Tayel M, **Hosny G**, El-Darier SM, Shalaby EA. (2017). A Comparative Health Risk Assessment for Exposure to Heavy Metals in some Industrial Areas. *Sci-Afric J. Sci. Issues. Res. Essays* 5(1): 006-014
4. **Hosny G**, Samir S, El-Sharkawy R. (2017). "An Intervention study on Safety Climate among Health Care Medical Waste Handling Workers in some Hospitals of Alexandria, Egypt". *Sci-Afric J. Sci. Issues. Res. Essays* 5(1): 023-033.
5. **Hosny G**, Elsayed EA, Shalaby EA. A comparative assessment of safety climate among petroleum companies. *Egyptian J. of Occupational Medicine*, ISSN: 1110-1881, (2017); 41(2): 307-324.
6. **Hosny G**, Abouelmagd A, Abdelaziz H, Shalaby EA. A comparative study on the impacts of integrated audit on occupational Health, Safety and Environment performance. *Egyptian J. of Occupational Medicine*, ISSN: 1110-1881, (2017); 41(2): 187-204.
7. **Hosny G**, Youssef M, Moselhi M. A multifactorial analysis on the role and effectiveness of safety representatives in petroleum industries of Egypt. *Egyptian J. of Occupational Medicine*, ISSN: 1110-1881, (2016); 40(2): 301-321.
8. **Hosny G**, Abbas K, Shalaby EA. Environmental health and safety managerial perspectives for handling of hazardous waste in El-Nasria Center. *Journal for Studies in Management and Planning* Vol 2(2), February 2016: 288-307; Available at: <http://edupediapublications/journals/index.php/JSMaP/>.
9. Abou Elmaati A, **Hosny G**, Raafat G. A risk-factor-based analytical approach for integrating occupational health and safety into workplace risk management. *Journal for Studies in Management and Planning* Vol 2(2), February 2016: 1-20; Available at: <http://edupediapublications/journals/index.php/JSMaP/>.
10. **Hosny G.**, Olivier M., Sabina, Romieu I. A study on female breast cancer molecular epidemiology in Alexandria, Egypt. 2015. *In Prep.*
11. **Hosny G**, Zidan M., Tayel HY. A study on PIK3CA Gene Expression, as a biomarker, in patients with colorectal cancer. 2015. *In Prep.*

12. **Hosny G**, Abdelwahab M, Abbassy MS, Shalaby EA. Health Risk Assessment of Poly Cyclic Aromatic Hydrocarbons from west delta Brick Factories, Egypt. *Sci-Afric Journal of Scientific Issues, Research and Essays* (ISSN 2311-6188) Vol. 3(12), December, 2015: 881-889. <http://www.sci-africpublishers.org>.
13. **Hosny G**, Mostafa M, El-Gamal A, and Shalaby EA. The Different Perspectives of Safety Managerial Practices in Safety Certified Management System: a Case study". *Sci-Afric Journal of Scientific Issues, Research and Essays* (ISSN 2311-6188) Vol. 3(12), December, 2015: 858-867. <http://www.sci-africpublishers.org>.
14. **Hosny G**, Abdelwahab M, Abbassy MS, Shalaby EA. The Potential Environmental Impact of Polycyclic Aromatic Hydrocarbons emitted from Break Factories. *International Journal of Environmental Science and Toxicology Research* (ISSN: 2408-7262) Vol. 3(9) pp. 154-164, December, 2015 Available online <http://www.internationalinventjournals.org/journals/IJESTR>.
15. **Hosny G**, Fawzy R, Abbassy MS. Site Survey Analysis for the Prevalence of Ergonomics on Safety Performance. *Sci-Afric Journal of Scientific Issues, Research and Essays* Vol. 3(8), Pp. 756-762, August, 2015. (ISSN 2311-6188). <http://www.sci-africpublishers.org>.
16. **Hosny G**, Sayed S, Tantawi M and Saleh S. Evaluation of accessibility of dental services in Alexandria Governorate using geographic information system. *Sci-Afric Journal of Scientific Issues, Research and Essays* Vol. 3(8), Pp. 763-767, August, 2015. (ISSN 2311-6188). <http://www.sci-africpublishers.org>.
17. **Hosny G**, Mohamed S, Tayel H (2015). The in vivo protective effects of soybeans on DMN-induced hepatotoxicity in rats. *Cell Symposia, Cancer, Inflammation, Immunity, Spain, Sitges, Barcelona, June14-16, 2015*, Abstract #P1.12. *International Journal of Environmental Science and Toxicology Research* (ISSN: 2408-7262) Vol. 3(9) pp. 165-172, December, 2015 Available online <http://www.internationalinventjournals.org/journals/IJESTR>
18. **Hosny G**, El-sadany M, and Abd Elmottale M. Monitoring of Aflatoxin M₁ in Some Dairy Products in Local Market of Alexandria, Egypt: Attempts for Detoxification. *J. Food and Dairy Science*, 5(2): 103-122, 2014 (*International Research Journal of Scientific Findings*, 1(3): 053-064, 2014).
19. **Hosny G**, Elsayed AE, El-Gamal A, and Shalaby EA. Intervention Program for Occupational Health, Safety and Environmental Standards among workers in Petroleum Industry: A Case Study. *International Research Journal of Scientific Findings*, 1(3): 073-081, 2014.
20. Peng X, ZiZhang M-Q, Conserva F, **Hosny G**, Selivanova G, Bykov VJN, Arnér ESJ, and Wiman KG. APR-246/PRIMA-1^{MET} inhibits

thioredoxin reductase 1 and converts the enzyme to a dedicated NADPH oxidase. *Cell Death & Disease* (2013) 4, e881; doi:10.1038/cddis.2013.417; published online 24 October 2013.

21. Abou Elmaati A, Ismail M, and **Hosny G**. Assessment of Physical Occupational Health Hazards in Sidi Krir Power Station. *Egyptian J. of Occupational Medicine*, ISSN: 1110-1881, (2012), 36(2): 131-145.
22. Elssayed MY, Hassan HM, **Hosny G**. Assessment of occupational level of awareness for health and safety in Sidi Kerir Petrochemical Company. *Egyptian J. of Occupational Medicine*, ISSN: 1110-1881, (2012), 36(2): 191-203.
23. **Hosny G** and Hainaut P. TP53 mutations in CFDNA from Egyptian patients, as biomarkers for cancer prevention. The Joint 5th International Conference on Tumor Microenvironment, ICMS-INCa-AACR, held in Versailles, France, October 20-24, 2009; Abstract #215.
24. **Hosny G**, Farahat N and Hainaut P. TP53 mutations in circulating free DNA of Egyptian patients with non-Hodgkin's lymphoma. *Cancer Letters* 264(11): 201-208, 2008.
25. Tayel HY, **Hosny G**. Alterations of E-cadherin and MMP-2 in Prostate Cancer. IARC-EACR-AACR-ECNIS-Symposium held in Lyon 3-5 July 2008, Abstract # 69; *The Egyptian Journal of Community Medicine* (ISSN: 1110-1865), 44(3): 717-723, 2008.
26. **Hosny G**, Farahat N, Tayel H and Hainaut P. Ser-249 TP53 and CTNNB1 mutations in circulating free DNA of Egyptian patients with hepatocellular carcinoma versus chronic liver diseases. *Cancer Letters* 264(2): 201-208, 2008.
27. El-Gamal A and **Hosny G**. Assessment of lung cancer risk due to exposure to radon. *Eastern Mediterranean Health Journal*, 14(6): 1257-1269, 2008.
28. **Hosny G**, Kamel N, Tayel HY. Expression of E-cadherin, MMP-2 and HSP in Non-Small Cell Lung Cancer. IARC-EACR-AACR-ECNIS-Symposium held in Lyon 3-5 July 2008, Abstract # 21; *The Egyptian Association for Pathology*, 27(2):405-416, 2007.
29. **Hosny G**, Moloukhia TM, Abd Elsalam G and Abd Elatif F. Environmental behavioural modification programme for street children in Alexandria, Egypt. *Eastern Mediterranean Health Journal*, 13(6): 1438-1448, 2007.
30. **Hosny G**, El-Gamal A, Arafat W and Abolfotouh M. Assessment of quality of life for adult cancer patients in Alexandria. *The Egyptian Journal of Community Medicine* (ISSN: 1110-1865), 25(2): 1-14, 2007.
31. **Hosny G**. Assessment of Occupational Injuries in Montaza District of Alexandria, Egypt. *The Egyptian Journal of Community Medicine* (ISSN: 1110-1865), 24(3): 1-13, 2006.

32. **Hosny G** and Akel M. Assessment of Asbestos in Drinking Water in Alexandria, Egypt. *The Journal of the Egyptian Public Health Association*, 81(3&4): 181-198, 2006. Paper was presented in the First International Conference on Healthy Water in the Arab World, held in Cairo, Egypt, in the period of 7-9 June 2006.
33. **Hosny G** and Tayel H. Biomonitoring environmental stresses in female endometrial carcinoma versus hyperplasia using HSP70 and HER-2/neu proteins. *Bulletin of Alexandria Faculty of Medicine (ISSN 1110-0834)*, 41(4): 737-746, 2005. Paper was presented in the conference of the Frontiers in Cancer Prevention Research, American Association for Cancer Research, Held in Boston, Massachusetts, USA, on November 12-15, 2006, Abstract No.B17.
34. **Hosny G** and El-Zarka E. A comparative study on the medical waste disposal in some hospitals in Alexandria. *J. Egypt. Public Health Association*, 80(5&6): 607-628, 2005.
35. **Hosny G**, Hassan S and Tayel H. The in vivo protective effects of silymarin on DMN-induced hepatotoxicity in rats. *Bulletin of Alexandria Faculty of Medicine (ISSN 1110-0834)*, 41(2): 257-265, 2005.
36. Abou-Gharbia H, **Hosny, G**. Quality assessment and food safety of market potato chips in Egypt. *J. Egypt. Soc. Toxicol. (ISSN 1110-127X)* 2004; 31(July): 57-65. Paper was presented in the 228th American Chemical Society National Meeting held in August 22-26/2004 in Philadelphia, Pennsylvania, USA (Abstract # 62).
37. **Hosny G**, Abd Elatif F. Assessment of heavy metals in saliva of working children. *J. Egypt. Soc. Toxicol. (ISSN 1110-127X)* 2003; 28(Jan.): 45-49.
38. **Hosny G**, Elkaffas SM. A prediction model for the incidence patterns of female breast cancers in Alexandria, Egypt. Conference of the Frontiers in Cancer Prevention Research of the American Association for Cancer Research, Held in Boston, USA, on October 14-18, 2002, Abstract No.D223.
39. **Hosny G**, El-Gamal A. Site distribution and incidence rates of cancer in Alexandria, Egypt: thirty-year experience (1972-2001). *Bull. Alex. Fac. Med. (ISSN 1110-0834)* 2002; XXXVIII (1): 15-21.
40. **Hosny G**, Elkaffas SM. A prediction model for the incidence patterns of breast cancers in Alexandria, Egypt. *J. Egypt. Public Health Association* 2002; LXXVII(3,4): 329-345.
41. **Hosny G**, Elkaffas SM. Patterns in the incidence of pediatric cancer in Alexandria, Egypt, from 1972 to 2001. *J. Egypt. Public Health Association* 2002; LXXVII(5,6): 451-468.
42. **Hosny G**, Saeed H, Farahat N. Influence of cancer on the enzyme performance of DNA-Alkyl transferase, lactic dehydrogenase, acid and

- alkaline phosphatase in human blood. *Bull. Alex. Fac. Med. (ISSN 1110-0834)* 2001; XXXVII (4): 583-589.
43. **Hosny G**, Tayel H, Saeed H, Warda MH. Immunohistochemical Differential Expression of O⁶-alkylguanine-DNA alkyltransferase and *Bcl-2* oncoproteins in human oral cavity tumors. *CMB (International Journal of Cancer Molecular Biology Research)* 2001; 8(4): 1697-1710.
 44. **Hosny G**, Emam EM. The prevalence of O⁶-alkylguanine-DNA alkyltransferase immunoreactivity in schistosomiasis-associated human urinary bladder carcinomas. *CMB (International Journal of Cancer Molecular Biology Research)* 2001; 8(1): 1563-1577.
 45. **Hosny G**, Hassan S, Attia AM. Histochemical study on the protective effect of melatonin on paraquat-intoxicated rats. *J. Egypt. Soc. Toxicol. (ISSN 1110-127X)* 2000; 22: 90-97.
 46. **Hosny G**, Hassan S, Attia AM. Histochemical study on the protective effect of Melatonin on paraquat-intoxicated rats. Abstract Book of the Conference of "Alexandria Second International Conference of Environmental Toxicology, Pharmaceutical Sciences & Technology" Held on Oct 25-27, 2000, Abstract No. 78.
 47. **Hosny G**, El-Hadary M, Chippaux M, Giordano G, Mostafa MH. Assessment of nitrates, nitrites and nitrate reductase activity in saliva of oral cancer patients; their relation to oral cancer risk in Egypt. Abstract Book and accepted for the Proceedings of "The International Conference of Environmental Management, Health and Sustainable Development" held in March 22-25, 1999, Alexandria, Egypt.
 48. **Hosny G**, Roman LJ, Mostafa MH, Masters BSS. Characterization of *E. coli*-expressed cytochrome P4504A5. Abstract Book and accepted for the Proceedings of "The International Conference of Environmental Management, Health and Sustainable Development" held in March 22-25, 1999, Alexandria, Egypt.
 49. **Hosny G**, Roman LJ, Mostafa MH, Masters BSS. Unique properties of Purified, *E. coli*-Expressed Constitutive Cytochrome P4504A5. *Arch. Biochem. Biophys.* 1999; 366, 199-206.
 50. Badawi AF, **Hosny G**, El-Hadary M, Mostafa MH. Salivary nitrate, nitrite and nitrate reductase activity in relation to risk of oral cancer in Egypt. *Dis. Markers* 1998; Oct 14(2), 91-97.
 51. **Hosny G**, Roman LJ, Mostafa MH, Masters BSS. Expression and Characterization of Cytochrome P4504A5 in *E. Coli*. *FASEB J.* 1997; A-122. Paper was presented as abstract in the 17th International Congress of Biochemistry and Molecular Biology held in San Francisco, USA, on August 24-29, 1997.

