

Course Contents

- 1- Foetus development/ hormonal influence
- 2- Hormones and reproduction
- 3- Gender and environmental pollutants.
- 4- Risk assessment
- 5- Reproductive toxicity
- 6- Legal requirements for reproductive toxicity of pesticides.
- 7- The negative economic effects of environmental pollutants
- 8- Pathway of pollutants in the environment.
- 9- Obesity/malnutrition
- 10- Food contamination
- 11- Food quality control
- 12- Safety of Genetically Modified Food (GMF)
- 13- Food additives.
- 14- Dietary exposure to Milamine and Bisphénol A.
- 15- Food irradiation and food safety.
- 16- Are fish a source of danger?
- 17- Nutrition and the prevention of chronic diseases.
- 18- Foods for better health for Women.
- 19- Attention deficit, hyperactivity disorder and nutrition
- 20- Endocrine disruptors.
- 21- Teratogenic chemicals
- 22- Chemical exposure and lactation.
- 23- Persistent organic pollutants in the environment.
- 24- Toxic chemicals in plastic and health.
- 25- Currently used agrochemicals in Egypt
- 26- Pheromone receptors of insects
- 27- Diabetes and antioxidants
- 28- Agricultural chemicals and human health: carcinogenesis
- 29- Environmental pollutants and the kidney.
- 30- Environmental pollutants and woman reproductive health
- 31- Environmental pollutants and child health
- 32- Herbal medicine
- 33- Teratogenicity, oxidative stress and antioxidants
- 34- Lifestyles and reproductive health
- 35- Cosmetics and health
- 36- Hemp: a solution to global problems
- 37- Narcotics and reproductive health, methods of control.

The course includes:

* Demonstration about the reproductive toxicology, embryo toxicity and malformation caused by environmental pollutants.

Introduction

Environmental contaminants have been proven to cause many health problems affecting women, fetuses, newborns and children. The exposure to these pollutants during pregnancy was found to increase the risk of pregnancy loss, preterm birth, premature neonates and the incidence of birth defects. Food contamination with chemical hazards is a worldwide health concern, as environmental contaminants tend to bioaccumulation in living organisms, and this effect magnifies as one moves up the food chain reaching human tissues.

Workshop Objectives

- Provide information on environmental pollutants and food contaminants adversely affecting women, foetus and children well-being and reproduction process.
- Discuss pollutants fate in the environment and their mechanisms of action.
- Provide preventive methods in order to decrease the exposure level to these contaminants.
- Exchanging international experiences and expertise in the field of environmental pollution.

Course Coordinators

This course held in collaboration with:

- WHO Collaborating Center for Developmental Toxicology, Institute of Clinical Pharmacology and Toxicology, Charite University, Berlin, Germany.
- Science Faculty, Institute of Physiology, Hohenheim University - Stuttgart – Germany.
- Environmental Health Sciences, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, USA.



**Alexandria University
Faculty of Specific Education**

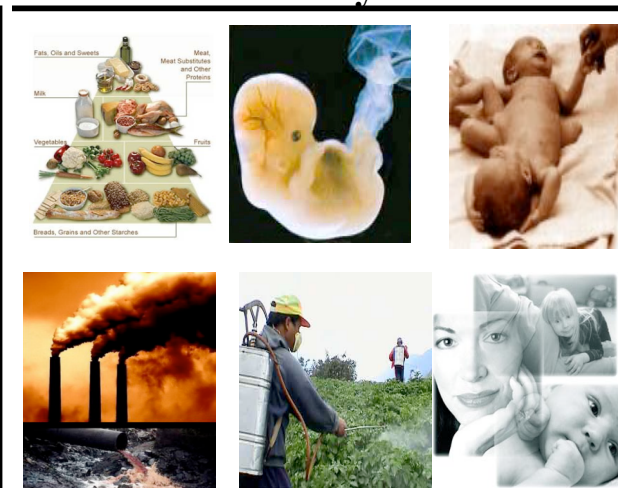
In Cooperation with

**Charité University, Germany
Hohenheim University, Germany
Johns Hopkins University, USA**

Organize

**The First Alexandria Workshop
"Women and Child Health: Food
and Environmental Pollution"**

25-28 July 2009



Lecturers

1- Prof. Ibrahim Chahoud, Prof. of Reproductive Toxicology, Head of the WHO Collaborating Centre for Developmental Toxicology, Institute of Clinical Pharmacology and Toxicology, Charite University, Berlin, Germany.

2- Prof. Heinz Breer, Dean of the Science Faculty and Head of Institute of Molecular Physiology, Hohenheim University, Stuttgart, Germany.

3- Prof. Ellen K. Silbergeld, Johns Hopkins University, Bloomberg School of Public Health, Department of Environmental Health Sciences, Baltimore, USA.

4- Prof. Talaat Issa Awad, Prof. of Toxicology, Faculty of Agriculture, Nile Valley University, Sudan.

5- Prof. Moustafa A. Abbassy, Prof. of Pesticide Chemistry and Toxicology, Former Dean of Faculty of Agriculture, Alexandria University, Damanhour, Egypt.

6- Prof. Mohamed Diah El-Din H. Farag, Vice Dean for Scientific Affairs, Industrial Irradiation Division, Professor of Biological Sciences, Food Irradiation Department, National Center for Radiation Research and Technology, Egyptian Atomic Energy Authority

7- Prof. Laila A. M. Abdelmegid, Prof. of Forensic Medicine & Clinical Toxicology, Faculty of Medicine, Alexandria University.

8- Prof. Hanna Ismail, Prof. of Food Analysis, Manager of Scientific Research Department, The Suzanne Mubarak Regional Centre for Women Health and Development, High Institute of Public Health, Alex. Univ., Egypt.

9- Prof. Salah El-Din Hassouna, Prof. of Environmental Microbiology, Department of Environmental Studies, Institute of Graduate Studies and Research, Alex. Univ.

10- Prof. Fikrat Elsahn, Prof. of Nutrition, High Institute of Public Health, Alex. Univ., Egypt.

11- Prof. Moustafa M. Zeitoun, Prof. Animal Physiology, Faculty of Agriculture and Veterinary Medicine, El-Kaseem University, Saudi Arabia.

12- Prof. El Metwally El Shahawy, Professor of Internal Medicine and Nephrology, Benha University.

13- Prof. Dr. Ashraf Y. El-Daker, Head of Fish Resources & Aquaculture Department, Faculty of Environmental Agricultural Science, Suez Canal University, Egypt.

14- Prof. Sayed Ahmed Hatab, Professor of Obstetrics and Artificial Insemination, Faculty of Veterinary Medicine, Alexandria University, Egypt.

15- Prof. Mokhtar Ibrahim Yousef, Prof. of Environmental Animal Physiology and Reproductive Toxicology, Vice-Dean for Postgraduate Studies & Research, Faculty of Specific Education, Alex. Univ., Egypt.

16- Dr. Moustafa Yakout, Scientific Consultant for European Pharmaceutical Co., Alex., Egypt.

17- Dr. Mostafa M. S. Abassy, Associate Professor of Pesticide Chemistry and Toxicity, Department of Environmental Study, Institute of Graduate Studies and Research, Alex. Univ., Egypt.

18- Dr. Heba M.M. Abdou, Zoology Department, Faculty of Science, Alex. Univ., Egypt.

19- Dr. Neveen Fahmy Agamy, Lecturer of Food Analysis, Nutrition Department, High Institute of Public Health, Alex. Univ., Egypt.

20- Dr. Kamel Ibrahim Kamel, Researcher, Institute of Animal Production, El-Doki, El-Geza, Egypt.

21- Dr. Youssef M. E. Dewer, Researcher, Mammalian Toxicology and Animal Marine Dept., Central Agricultural Pesticides Laboratory, Agricultural Research Center, Egypt.

22- Dr. Sabry F.I. Salem, Consultant of Wastewater Treatment.

23- Dr. Fatma Sayed Kedwany, Quality and Environmental Consultant, Alex., Egypt.

24- Dr. Mahmoud El-Syed Ali, Head of Forensic Medicine Laboratories, Narcotics and Poisons Expert, Justice Department, Alexandria.

25- Dr. Mona S.M. Abdel- Gelil, Lecturer of Home Management, Department of Home Economics, Faculty of Specific Education, University of Alexandria, Egypt.

26- Dr. Amal I. Ahmed, Lecturer of Environmental Health, Community Health Nursing Department, Faculty of Nursing, Mansoura University, Mansoura, Egypt.

27- Dr. Sahar M. Soliman, Lecturer of Epidemiology, Health Nursing Department, Faculty of Nursing, Mansoura University, Mansoura, Egypt.

28- Dr. Hend M. Houssin, Ph.D. Faculty of Science, Alex. Univ., Egypt.

29- Dr. Reham M. Abd El-Azeem, Lecturer of molecular genetics and cytogenetics, Molecular Biology Department, Genetic Engineering and Biotechnology Research Institute (GEBRI), Sadat City Branch Minufiya University.

30- Dr. Medhat H. Hashem, Lecturer of molecular genetics and cytogenetics, Molecular Biology Department, Genetic Engineering and Biotechnology Research Institute (GEBRI), Sadat City Branch Minufiya University.

31- Alaa F.M. Ebrahim, Research Associate, Central Region for Food and Feed, Agriculture Research Center

32- Safenaz M. Abd El-Azeem, Ph.D. Student, Department of Home Economics, Faculty of Specific Education, Alex. Univ.

Target Groups

The course is targeted to these who are interested in:

- 1- Health, nutrition and the environment.
- 2- Women, foetus and children's health.
- 3- Reproductive health and fertility
- 4- Medicine and veterinary.
- 5- Environmental pollution (Pesticides, heavy metals,..et
- 6- Public health.
- 7- Human and Animal Toxicology.
- 8- Pharmaceutical and Chemical Industry.
- 9- National organization interested in human and health.
- 10- Occupational health and industrial safety.
- 11- Researchers and postgraduate students.

Workshop Coordinator:

Prof. Mokhtar Ibrahim Yousef

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