**Curriculum Vitae**

AHMED ABDELGAWAD ISMAIL

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<https://scholar.google.com/citations?user=w3V_WPoAAAAJ&hl=en>

Occupational and Environmental Health Department

College of Public Health

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**SUMMARY OF QUALIFICATIONS**

* OCCUPATIONAL HEALTH: Experience in assessment, identifying mechanisms, and planning for prevention of occupational and environmental health hazards. Experience designing, overseeing, implementing and evaluating longitudinal occupational epidemiologic studies. Experience in assessing neurotoxicity of work related exposures through using computerized test batteries, professionally analyze neurobehavioral data, and determine the affected neurobehavioral functions. Having long-term experience in applying the recent biological markers to quantitatively determine levels of workplace exposures.
* ANALYTICAL SKILLS: Experience designing, writing and following an analysis plan for a variety of study designs; managing and analyzing data using sophisticated statistical computing software; working with large data sets; strong background in biostatistics including but not limited to longitudinal data analysis methods and meta-analysis.
* COMMUNICATION SKILLS: Experience preparing written summaries, reports, scientific posters, articles, and scientific manuscripts; critiquing scientific manuscripts, book chapters, and grant proposals; summarizing and presenting complex scientific content to scientific audiences, students and the general public; teaching technical content to graduate students and the public.

**EDUCATION AND TRAINING**

**Faculty of Medicine, Menoufia University, Menoufia, EGYPT**

PhD, Industrial Medicine and Occupational Health, August 2009

**Oregon Health & Science University**, Portland, OR, USA

Pre-doctoral training, Center for Research on Occupational and Environmental Toxicology

Specialization: Neurotoxicology

2006-2008

**Faculty of Medicine, Menoufia University, Menoufia, EGYPT**

MSc, Industrial Medicine and Occupational Health, August 2004

MD, Medicine and Surgery, February 1999

**PROFESSIONAL EXPERIENCE**

|  |  |
| --- | --- |
| 2015 to present | ***Post-doctoral Research Fellow,*** Occupational and Environmental Health Department, College of Public Health  University of Iowa, Iowa City, IA USA |
| 2015 to present | ***Assistant Professor****,* Public Health and Community Medicine Department,  Faculty of Medicine, Menoufia University, Egypt |
| 2010 to 2015 | ***Assistant Professor***, Community and Family Medicine Department  Faculty of Medicine, Jazan University, Saudi Arabia |
| 2009 to 2015 | ***Lecturer****,* Public Health and Community Medicine Department,  Faculty of Medicine, Menoufia University, Egypt |
| 2009 to 2010 | ***Occupational Medicine and Occupational Health Consultant,***  National Insurance Health Organization, Egypt |
| 2006 to 2008 | ***Research Scholar***, Center for Research on Occupational and Environmental Toxicology (CROET)  Oregon Health & Science University, Portland, OR USA |
| 2004 to 2009 | ***Assistance Lecturer,*** Public Health and Community Medicine Department  Faculty of Medicine, Menoufia University, Egypt |
| 2004 to 2009 | ***Occupational Medicine Specialist***, Menoufia University Hospital, Egypt |
| 2003 to 2004 | ***General Practitioner***, National Insurance Health Organization, Egypt |
| 2001 to 2004 | ***Demonstrator***, Public Health and Community Medicine, Menoufia University, Egypt |
| 1999 to 2000 | ***House officer***: Rotating internship, Menoufia University Hospital,  Shebin El-Kom, Egypt |

**TEACHING ASSIGNMENTS**

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| --- | --- | --- | --- |
| **Semester**  **Years** | **Course Title/Number/Institution** | **Semester**  **Hours** | **Role** |
| Fall, 2001-2006 & 2008-2009 | Occupational Health (OHS 234), Menoufia University | 2 | Co-Instructor |
| Fall, 2001-2006 & 2008-2009 | Maternal & Child Health (MCH 235), Menoufia University | 2 | Co-Instructor |
| Fall, 2001-2006 & 2008-2009 | Geriatric Health (GHM 236), Menoufia University | 1 | Co-Instructor |
| Spring, 2001-2006 & 2009-2010 | Adolescent Health (AHM 237), Menoufia University | 1 | Co-Instructor |
| Spring, 2001-2006 & 2009-2010 | Environmental Health (EHM 238), Menoufia University | 1 | Co-Instructor |
| Spring, 2001-2006 & 2009-2010 | Mental Health (MHM 239), Menoufia University | 1 | Co-Instructor |
| Summer, 2001-2005 & 2009-2010 | Reproductive Health (RHM 240), Menoufia University | 1 | Co-Instructor |
| Summer, 2001-2005 & 2009-2010 | Communicable Diseases (CDM 241), Menoufia University | 3 | Co-Instructor |
| Summer, 2001-2005 & 2009-2010 | Non-Communicable Diseases (NCD 242), Menoufia University | 3 | Co-Instructor |
| Summer, 2001-2005 & 2009-2010 | Biostatistics (BCM 243), Menoufia University | 2 | Instructor |
| Fall, 2010-2014 | Human Growth & Development (HGD 456), Jazan University | 2 | Instructor |
| Fall, 2010-2014 | School Health (SHM 342), Jazan University | 2 | Instructor |
| Fall, 2010-2014 | Health & Disease (INT 211), Jazan University | 1 | Instructor |
| Fall, 2010-2014 | Epidemiology & Biostatistics (CLC 431), Jazan University | 7 | Instructor |
| Spring, 2011-2015 | Research Methodology & Field Training (CLC 432), Jazan University | 3 | Co-instructor |
| Spring, 2011-2015 | Primary Health Care (CLC 537), Jazan University | 4 | Co-instructor |
| Summer, 2011-2014 | Global Health (ELC 541), Jazan University | 1 | Instructor |
| Summer, 2011-2014 | Health of Mobile Population (ELC 542), Jazan University | 1 | Co-instructor |
| Summer, 2011-2014 | Infectious Diseases (ELC 642), Jazan University | 1 | Co-instructor |
| Fall, 2014 | Meta-analysis (MAL 745), Jazan University | 2 | Instructor |
| Fall, 2014 | Infection Control (ICL 738), Jazan University | 2 | Co-Instructor |
| Spring, 2014 | Health Information Systems (HIS 739), Jazan University | 2 | Co-Instructor |
| Spring, 2014 | Statistical Modelling of Epidemiological Data (SME 746), Jazan University | 2 | Co-Instructor |
| Summer, 2014 | Non-Parametric & Survival Analysis (NPS 234), Jazan University | 2 | Co-Instructor |
| Summer, 2014 | Nutrition in Health & Disease (NHS 244), Jazan University | 2 | Co-Instructor |

**BOARD CERTIFICATES:**

**Industrial Medicine and Occupational Health Consultant**

The Egyptian Medical Syndicate, July 2012, License number: 34

**Industrial Medicine and Occupational Health Specialist**

The Egyptian Medical Syndicate, January 2005, License number: 104

**SOCIETY MEMBERSHIPS**

Society of Toxicology; SOT

Society for Neuroscience; SFN

International Behavioral Neuroscience Society; IBNS

American Public Health Association; APHA

Society of Neuroscientists of Africa; SONA

Egyptian Medical Syndicate

**SOFTWARE DEVELOPMENT**

I contributed in the development of the following programs:

* Behavioral Assessment and Research System (BARS) (Arabic version)
* cTRAIN (Safety Training Program for Different Exposures)

**THESES**

*MD thesis*

Abdel Rasoul GM, Abou Salem ME, Awad AM, Hendy OM, Rohlman DS, **Ismail AA**. 2008. Occupational Health Disorders of Pesticides among Exposed Children in Agriculture (Menoufia Governorate)

*Master thesis*

Abdel Rasoul GM, Abdel Karim HA, Mohamed AR, Abou Salem ME, **Ismail AA**. 2004. Study of health disorders among workers in a water-based paints factory in Sadat city, Menoufia Governorate, Egypt.

**SCHOLARSHIPS, TRAVEL GRANTS, AND AWARDS**

***Post-Doctoral Scholarship***

**To**: Department of Occupational and Environmental Health, College of Public Health, University of Iowa, Iowa, USA

**Funding Agent:** University of Iowa, Iowa, USA

**Mentor**: Dr. Diane Rohlman

**Period**: 2015-Ongoing

***Travel Grant:***

**To**: 11th International Conference of the Society of Neuroscience Africa, Rabat, Morocco, 2013

**Purpose:** Organize a symposiumentitled “Longitudinal Assessment of Neurotoxicity and Biomarker Levels among Adolescents and Adults Occupationally Exposed to Pesticides”

**Funding Agent:** Society of Neurosciences of Africa “SONA” & International Brain Research Organization “IBRO”

**Period**: March 2013

**Best Oral Presentation**

**Conference**: 2nd Medical Research Day, Jazan University, Jazan, Saudi Arabia

**Period**: March 2012

**Best Poster Presentation**

**Conference**: 1st Medical Research Day, Jazan University, Jazan, Saudi Arabia

**Period**: March 2011

***Pre-Doctoral Scholarship***

**To**: Oregon Institute of Occupational Health Sciences (formerly known as “Center for Research on Environmental and Occupational Toxicology”, CROET), OHSU, USA

**Mentor**: Dr. Diane Rohlman

**Period**: 2006-2008

**ORGANIZING SYMPOSIA AND CONFERENCES:**

**Conference:** 11th International Conference of the Society of Neuroscience Africa, Rabat, Morocco

**Symposium:** Longitudinal Assessment of Neurotoxicity and Biomarker Levels among Adolescents and Adults Occupationally Exposed to Pesticides

**Time:** March 2013

**Conference:** 13th International Neurotoxicology Association (INS) & 11th International Symposium on Neurobehavioral Methods and Effects in Occupational and Environmental Health, Xi'an, China

**Symposium:** Using Epidemiology and Neurotoxicology to Reduce Risks to Young Workers

**Time:** June 2011

**Symposium:** Community Medicine and Public Health

**Time:** March 2012, 2013, 2014

**Department:** Family Medicine, Faculty of Medicine, Menoufia University, Egypt

**Workshop:** Biostatistics and SPSS

**Time:** January 2006

**INVITED TALKS AND LECTURES**

13th International Neurotoxicology Association (INS) & 11th International Symposium on Neurobehavioral Methods and Effects in Occupational and Environmental Health, Xi'an, China 2011

**Ahmed A. Ismail**. Surveying Adolescents Working in Agriculture in Egypt

1st Annual Meeting of Substance Abuse Research Center "Updates on Addiction Research", Jizan, Saudi Arabia, 2013

**Ahmed A. Ismail**. Evaluating Neuropsychological Health Effects among Chronic Khat Chewers in Jazan Region, KSA

Infectious Diseases Course, Training Department of Jazan General Hospital, Ministry of Health, Kingdom of Saudi Arabia, 2014.

**Ahmed Ismail:** Endemic Diseases in Jazan Region

**RESEARCH GRANT PARTICIPATION**

**Title:** Evaluating Paresthesia and Exposure to α-cypermethrin among Egyptian Adolescent Pesticide Applicators

**Dates:** March 2016 to March 2018

**Sponsoring Agency:** National Institute for Environmental Health Sciences through the University of Iowa Environmental Health Sciences Research Center, NIEHS/NIH P30 ES005605

**Principal Investigator:** Ismail **Role:** Principal Investigator

**Main Grant Objective:** The specific aims are to determine the dose-response relationship between dermal exposure to α-cypermethrin and the characteristics of paresthesia reported in pesticide applicators and to identify the relationship between dermal exposure and the internal dose of α-cypermethrin utilizing urinary metabolites as biomarkers of exposure

**Title:** Injection Safety among Health Care Workers of Jazan General Hospitals

**Dates:** August 2015 to June 2016 **Sponsoring Agency:** Medical Research center, Jazan University (JAHIS-1-06)

**Principal Investigator:** Makeen **Role:** Co-Investigator

**Main Grant Objective:** The goal of this application is examining the structure and process of injection safety at Jazan general hospitals, and evaluate knowledge, attitude, and practices of health care workers in these hospitals regarding injection safety

**Title:** Pesticide Health Effects among Pesticide Applicators in Jazan Region

**Dates:** January 2014 to October 2014 **Sponsoring Agency:** Deanship of scientific Research, Jazan University (1434-M5-12)

**Principal Investigator:** Ismail **Role:** Principal Investigator

**Main Grant Objective:** The goal of this application is to evaluate the health status of pesticide applicators, and establish a biomarker of effect of those pesticides

**Title:** Vulnerability of the Adolescent Brain to Organophosphorus Pesticides

**Dates:** March 2013 to October 2017 **Sponsoring Agency:** NIEHS (R01 ES022163)

**Principal Investigator:** Rohlman **Role:** Lead Investigator

**Main Grant Objective:** The goal of this application is to determine the association between pesticide exposure and neurobehavioral function in a longitudinal study among adolescent cohorts with occupational (applicators) or environmental (non-applicators) exposures to test the hypothesis that there is recovery of selected neurobehavioral functional domains after each of several summer spray seasons.

**Title:** Evaluating Neuropsychological Health Effects among Khat Users

**Dates:** September 2011 to June 2012

**Sponsoring Agency:** Substance Abuse Research Center (SARC), Jazan University, KSA (SARC # 1003/2011)

**Principal Investigator:** Ismail **Role:** Principal Investigator

**Main Grant Objective:** The goal of this project was to test neuropsychological, and neurobehavioral functions khat chewers, and to detect behavioral factors that may predispose to the neurobehavioral performance.

**Title:** AssessingVulnerability of the Adolescent Brain to Organophosphorus Pesticides

**Dates:** July 2009 to June 2011 (No cost extension until 03/20/12)

**Sponsoring Agency:** NIEHS (R21 ES017223)

**Principal Investigator:** Rohlman **Role:** Lead Investigator

**Main Grant Objective:** The goal of this application was to examine the dose-related response of the adolescent nervous system to OP pesticides, to determine if repeated exposures produce a progressive deficit and to determine if this deficit is reversible.

**Submitted Grants**

***Title:*** Evaluating Exposure to Pesticides and Neurodevelopment among Children in Egypt

***Sponsoring Agency:*** NIH, Fogarty International Center 1 K01 TW010826-01

***Principal Investigator:***Ismail

***Main Grant Objective:*** The goal of this application was to examine the differences in pesticide exposures and ND outcomes between children living in an agricultural community exposed to both agricultural and residential pesticides, and children living in an urban community primarily exposed to residential pesticides.

**REVIEWER OF THE FOLLOWING JOURNALS AND CONFERENCES**

NeuroToxicology Journal

The International Journal of Occupational and Environmental Medicine (IJOEM)

Annual Medical Research Day, Jazan University, Saudi Arabia

Annual conference of Jazan University students, Saudi Arabia

**PUBLICATIONS**

**Ismail AA**, Wang K, Olson JR, Bonner MR,  Hendy O, Abdel Rasoul G, Rohlman DS. The Impact of Repeated Organophosphorus Pesticide Exposure on Biomarkers and Neurobehavioral Outcomes among Adolescents. 2016 (Submitted)

Callahan CL, **Ismail AA**, Hamad L, Abdel-Rasoul G, Hendy O, Olson JR, Rohlman DS, Bonner MR. Determinants of Chlorpyrifos Exposure among Adolescent Pesticide Applicators. Journal of Exposure Science and Environmental Epidemiology. 2016 (Submitted).

**Ismail AA**, Bonner MR, Hendy OM, Abdel Rasoul GM, Wang K, Olson JR, Rohlman DS. Comparison of Neurological Health Outcomes between Two Adolescent Cohorts Exposed To Pesticides in Egypt. Plos One [2017 Feb 23;12(2).](http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0172696)

El-Setouhy M, Alsanosy R, Alsharqi A and **Ismail AA**. Khat Dependency and Psycho-Physical Symptoms among Chewers in Jazan Region, Kingdom of Saudi Arabia. BioMed Research International, Volume 2016 (2016),

Rohlman DS, **Ismail AA**, Rasoul GA, Bonner MR, Hendy O, Mara K, Wang K, Olson JR. A 10-month prospective study of organophosphorus pesticide exposure and neurobehavioral performance among adolescents in Egypt. Cortex 2016. 74:383-395

Callahan CL, Al-Batanony MA, **Ismail AA**, Abdel Rasoul G, Hendy O, Olson JR, Rohlman DS, Matthew R. Bonner. Chlorpyrifos Exposure and Respiratory Health among Adolescent Agricultural Workers. Int. J. Environ. Res. Public Health 2014, 11, 13117-13129

**Ismail AA**, Mahfouz MS, Makeen A. Injection safety among primary health care workers in Jazan Region, Saudi Arabia. Int J Occup Environ Med. 2014 Jul;5(3):155-63.

Rohlman DS, **Ismail AA**, Abdel-Rasoul GM, Lasarev M, Hendy OM, Olson JR. Characterizing exposures and neurobehavioral performance in Egyptian adolescent pesticide applicators. Metab Brain Dis. 2014 Sep;29(3):845-55.

Mahfouz MS, Kheir HM, Alnami AA, Al-Asfour AH, Awadh AR, Bahlool EA, Al-Ghawi MA, Al-Hazmi SA, Qadri RM, and **Ismail AA**. Breastfeeding Indicators in Jazan Region, Saudi Arabia. British Journal of Medicine and Medical Research. 2014; 4(11): 2229-37. DOI: 10.9734/BJMMR/2014/7197

Khan K, **Ismail AA**, Abdel Rasoul GM, Bonner MR, Lasarev MR, Hendy OM, Al-Batanony MA, Crane AL, Singleton ST, Olson JR, and Rohlman DS. Longitudinal Assessment of Chlorpyrifos Exposure and Self-Reported Neurological Symptoms in Adolescent Pesticide Applicators. BMJ Open 2014;4(3):e004177 doi:10.1136/bmjopen-2013-004177

**Ismail AA**, El Sansoy R, Rohlman DS, El-Setouhy M. Neuropsychological Functioning among Chronic Khat Users in Jazan Region, Saudi Arabia. Substance Abuse. 2014;35(3):235-44.

Crane AL, Abdel Rasoul GM, **Ismail AA**, Hendy OM, Bonner MR, Lasarev MR, Al-Batanony MA, Singleton ST, Khan K, Olson JR, and Rohlman DS. Longitudinal Assessment of Chlorpyrifos Exposure and Effect Biomarkers in Adolescent Egyptian Agricultural Workers. J Expo Sci Environ Epidemiol. 2013 Jul;23(4):356-62. doi: 10.1038/jes.2012.113. Epub 2013 Jan 16.

Rohlman DS, Nuwayhid I, **Ismail A**, Saddik B. Using Epidemiology and Neurotoxicology to Reduce Risks to Young workers. NeuroToxicology 33 (2012) 817–822. Doi:10.1016/j.neuro.2012.02.012

**Ismail AA**, Bodner TE, Rohlman DS. Neurobehavioral performance among agricultural workers and pesticide applicators: A meta-analytic study. Occup Environ Med 2012;69:457-464.

**Ismail AA**, Rohlman DS, Abdel Rasoul GM, Abou Salem ME, Hendy OM. Clinical and Biochemical Parameters of Children and Adolescents Applying Pesticides. International Journal of Occupational and Environmental Medicine. 2010; 1(3): 132-143

Abdel Rasoul GM, Abou Salem ME, Mechael AA, Hendy OM, Rohlman DS, **Ismail AA**. Effects of Occupational Pesticide Exposure on Children Applying Pesticides. NeuroToxicology. 2008; 29: 833–838. doi: 10.1016/j.neuro.2008.06.009. Epub 2008 Jul 9.

**PRESENTATIONS**

Society of Toxicology (SOT) 56th Annual Meeting, Baltimore, MD, 2017

**Ismail AA**, Hendy OM, Abdel Rasoul GM, Wang K, Olson JR, Bonner MR, Rohlman DS. Liver and Kidney Functions among Adolescent Pesticide Applicators.

Rohlman DS, **Ismail AA**, Wang K, Olson JR, Bonner MR, Hendy OM, Abdel Rasoul GM. The Impact of Repeated Organophosphorus Pesticide Exposure on Biomarkers and Neurobehavioral Outcomes.

Okeke BC, Rohlman DS, **Ismail AA**, Abdel Rasoul GM, Hendy OM, Bonner MR, Wang K, Olson JR. Changes in Biomarkers of Pyrethroid Exposure in Adolescents.

Peppriell A, Callahan CL, Olson JR, Chi LH, Abdel Rasoul GM, **Ismail AA,** Hendy OM, Hamad L, Bonner MR, Rohlman DS. Longitudinal Assessment of Occupational and Environmental Exposures to Chlorpyrifos in Adolescent Egyptian Agriculture Workers.

Central States Society of Toxicology, the University of Iowa, Iowa City, 2016

**\*Ismail AA,** Hendy OM, Olson JR, Wang K, Abdel Rasoul GM, Bonner MR, Rohlman DS. Changes in Adolescent Liver and Kidney Functions across the Pesticide Application Season

Okeke BC, Rohlman DS**,** **Ismail AA,**Abdel Rasoul GM, Hendy OM,Wang K, Bonner MR, Olson JR. Changes in biomarkers related to λ-Cyhalothrin pesticide exposure in adolescent applicators and non-applicators

College of Public Health Research Week, University of Iowa, Iowa City, 2016

**Ismail AA,** Hendy OM, Abdel Rasoul GM, Bonner MR, Mara K, Wang K, Olson JR, Rohlman DS. Neurobehavioral Performance among Adolescents Expose to Organophosphorus Pesticides: A longitudinal 10-month Study

First Annual Occupational Health & Safety Research Conference, Iowa City, IA, 2016

**\*Ismail AA;** Olson JR; Rohlman DS. Effect of repeated exposure to organophosphorus pesticides on neurobehavioral performance and biological markers among adolescent pesticide applicators.

Society of Toxicology (SOT) 55th Annual Meeting, New Orleans, LA, 2016

**Ismail AA**, Abdel Rasoul GM, Bonner MR, Hendy OM, Mara K, Wang K, Olson JR, and Rohlman DS. Organophosphorus Pesticide Exposure and Neurobehavioral Performance among Adolescents in Egypt: A Ten-Month Prospective Study.

Rohlman DS, **Ismail AA**, Abdel Rasoul GM, Bonner MR, Hendy OM, Ortega L, Wang K, and Olson JR. Occupational Pesticide Exposure and Parental Report of Attention Deficit Hyperactivity Disorder in Adolescent Pesticide Applicators in Egypt.

Himmel M, McGarrigle B, Singh R, **Ismail AA**, Abdel Rasoul GA, Hendy OM, Bonner MR, Rohlman DS, Aga D, and Olson JR. Pyrethroid Metabolism and Exposure Assessment in Egyptian Agricultural Workers

International Society for Agricultural Safety and Health (ISASH), Lexington KY, 2016

Rohlman DS**, Ismail AA**, Abdel Rasoul GM, Bonner MR, Hendy OM, Ortega L, Wang K, Olson JR. Chlorpyrifos Exposure and Attention Deficit Hyperactivity Disorder Symptoms in Egyptian Adolescent Pesticide Applicators

International Society for Agricultural Safety and Health (ISASH), Normal, IL, June 2015 (Poster)

Rohlman DS, **Ismail AA**, Abdel Rasoul GM, Bonner MR, Olson JR, Hendy OM. Occupational Pesticide Exposure in Adolescents: Biomarkers, Neurobehavioral Performance and Health Outcomes

Society of Toxicology (SOT) 54th Annual Meeting, San Diego, CA, 2015

Olson JR, Abdel Rasoul GM, **Ismail AA**, Hendy OM, Hamad L, Singleton ST, Bonner MR, Khan K and Rohlman DS, Longitudinal Assessment of Exposures to Chlorpyrifos and Profenofos in Adolescent Egyptian Agriculture Workers.

[16th International Society of Addiction Medicine Annual Meeting, October 2 - 6, 2014, Yokohama, Japan](http://alcalc.oxfordjournals.org/content/49/suppl_1.toc)

El-Setouhy MA, **Ismail AA**, Al Sanosy R. Neurological Symptoms, Dependence and Behavior Changes Associated with Khat Chewing in Jazan Region, Kingdom of Saudi Arabia. Alcohol and alcoholism 49 (suppl 1):i43. doi:10.1093/alcalc/agu053.26

Society of Toxicology (SOT) 53rd Annual Meeting, phoenix, AZ, 2014

Olson JR, Singleton ST, Dadson OA, Bonner MR, Farahat TM, Farahat FM, Abdel Rasoul GM, **Ismail AA**, Hendy OM, Anger WK, Rohlman DS. Biomarkers of Chlorpyrifos and Profenofos Exposure and Effect in Adult and Adolescent Egyptian Cotton Field Workers.

10th Anniversary Symposium for Brain Directors for the Brain Disorders in the Developing World: Research across the Life Span (BRAIN), Bethesda, Maryland, 2014

**Ismail AA**, Abdel Rasoul GM, Bonner MR, Hendy OM, Lasarev MR, Khan K, Al-Batanony MA, Olson JR. Rohlman DS. Longitudinal Assessment of Exposures, Symptoms and Neurobehavioral Performance in Egyptian Adolescent Pesticide Applicators

Rohlman DS, Abdel Rasoul GM, **Ismail AA**, Bonner MR, Hendy OM, Hamad L, Khan K, Al-Batanony MA, Olson JR. Building Research Capacity in Egypt through Education and Training

11th International Conference of the Society of Neuroscience Africa, Rabat, Morocco, 2013

**\*Ismail AA**. Neurological disorders among adolescent Egyptian Pesticide applicators

Society of Toxicology (SOT) 52nd Annual Meeting, San Antonio, TX, 2013

Rohlman DS, Khan K, **Ismail AA**, Abdel Rasoul GM, Bonner MR, Lasarev MR, Crane AL, Olson JR. Chlorpyrifos Exposure and Self-Reported Neurological Symptoms in Adolescent Pesticide Applicators.

The 12th International Symposium On Neurobehavioral Methods & Effects In Occupational & Environmental Health, Cape Town, South Africa, 2013

**\*Ismail AA**, Olson JR, Abdel Rasoul GM, Hendy OM, Rohlman DS. Characterizing exposure and health effects among adolescent pesticide applicators in a one-year longitudinal study

3rd Medical Research Day, Gizan, Jazan, KSA 2013

**Ismail AA**. Neurotoxicity Associated with Chewing Khat; an Endemic Habit in Jazan Region, Saudi Arabia

Society of Toxicology (SOT) 51st Annual Meeting, San Francisco, CA, 2012

Singleton ST, Crane AL, **Ismail AA**, Abdel Rasoul GM, Hendy OM, McGariggle BP, Olson JR, and Rohlman DS. Chlorpyrifos Exposure in Adolescent Egyptian Agricultural Workers. The Toxicologist (supplement to Toxicological Sciences)

21st International Behavioral Neuroscience Society (IBNS), Kona, Hawaii 2012

**Ismail AA**, El-Setouhy M, El Sansoy R, Rohlman DS. Evaluating Neuropsychological Performance among Khat Users

2nd Medical Research Day, Gizan, Jazan, KSA 2012

**\*Ismail AA**. A meta-analysis for the neuropsychological outcomes among farmworkers and pesticide applicators *(The presentation awarded one of the best three oral presentations)*

13th International Neurotoxicology Association (INS) & 11th International Symposium on Neurobehavioral Methods and Effects in Occupational and Environmental Health, Xi'an, China 2011

**Ismail AA**, Anger WK, Rohlman DS. Evaluating Testing System Transitions: Correlation of BARS Tests on Different Operating Systems

Abdel Rasoul GM, Farahat FM, Abou Salem ME, Abdel Kareem A, **Ismail AA**. Neurobehavioral Performance among Workers at a Water-Based Paints Factory

Rohlman DS, **Ismail AA**, Abdel Rasoul GM, Olson JR, Hendy OM. The impact of pesticide exposure in adolescents across an application season

Brain Disorder in the Developing World Network Meeting, Bethesda MD 2011

Rohlman DS, Abdel Rasoul GM, **Ismail AA,** Olson JR, Crane AL, Hendy OM. Occupational Pesticide Exposure in Egyptian Adolescents.

Rohlman DS, Abdel Rasoul GM, **Ismail AA**, Olson JR. Assessing Vulnerability of the Adolescent Brain to Organophosphorus Pesticides

1st Medical Research Day, Gizan, Jazan, Saudi Arabia 2011

**Ismail AA**. Testing the Reliability of the Behavioral Assessment and Research System in Arabic Speaking Adults *(The presentation awarded one of the best three poster presentations)*

Society of Toxicology (SOT) 50th Annual Meeting, Washington DC, 2011

Rohlman DS, **Ismail AA**, Olson JR, Hendy OM, Abdel Rasoul GM. Occupational Pesticide Exposure and Neurobehavioral Deficits in an Adolescent Population. The Toxicologist (supplement to Toxicological Sciences)

Brain Disorder in the Developing World Network Meeting, Bethesda MD 2010

Rohlman DS, Abdel Rasoul GM, **Ismail AA.** *Assessing Vulnerability of the Adolescent Brain to Organophosphorus Pesticides*

138th American Public Health Association (APHA) Annual Meeting, Denver, Colorado, 2010

**Ismail AA**, Abdel Rasoul GM, Hendy OM, Olson JR, Rohlman DS. Evaluating Health Effects among Adolescent Pesticide Applicators

26th International Neurotoxicology Conference, Portland, OR 2010

Rohlman DS, **Ismail AA**, Hendy OM, Abdel Rasoul GM. Pesticide Exposure and Neurobehavioral Performance in Adolescent Pesticide Applicators

Brain Disorder in the Developing World Network Meeting, Bethesda MD 2009

Abdel Rasoul GM, **Ismail AA,** Rohlman DS. Evaluating Health Effects in Adolescent Pesticide Applicators

American Society of Tropical Medicine and Hygiene (ASTMH) 58th Annual Meeting, Washington DC 2009

**Ismail AA**. Health Profile of Children Working as Pesticide Applicators

3rd International Conference on Health, Environment and Development – ICHED 3, Alexandria Egypt 2009

**\*Ismail AA**. Pesticide Exposure and Neurobehavioral Effects among Children Applying Pesticides

10th International Conference on Neurobehavioral Methods and Effects in Occupational & Environmental Health, San Jose, Costa Rica 2008

Rohlman DS, Anger WK, Muniz J, **Ismail AA**, Lasarev M, McCauley L. Pesticide Exposure and Neurobehavioral Performance in Adult and Adolescent Agricultural Workers

Oregon Academy of Science 66th Annual Meeting, Portland, OR 2008

**\*Ismail AA**, Rohlman DS. The Test-Retest Reliability of the Behavioral Assessment and Research System in Arabic Speaking Adults

24th International Neurotoxicology Conference, San Antonio TX 2007

**Ismail AA**, Rohlman DS, Abou Salem ME, Michael AA, Hendy OM, Abdel Rasoul GM. Neurobehavioral Effects among Adolescent Pesticides Applicators in Egypt

Oregon Academy of Science 65th Annual Meeting, Monmouth, OR 2007

\*Abdel Rasoul GM, Abou Salem ME, Michael AA, Hendy OM, Rohlman DS, **Ismail AA**. Occupational Health Disorders of Pesticides among Exposed Children in Agriculture (Menoufiya Governorate, Egypt)

**TRAINING COURSES & WORKSHOPS**

Introduction to SAS, Statistics Outreach Center Short Course, The University of Iowa, Iowa City, USA, September 2016

Introductory Longitudinal Data Analysis (BIOS 6310 / STAT 6550), College of Public Health, The University of Iowa, Iowa City, USA, Fall 2015

Advanced Training in Methods to Assess Pesticide Exposure, The University of Iowa, Dubai, UAE, December 2014

Advanced Training in Pesticide Research, The University of Iowa, Dubai, UAE, December 2013

Building Up Khat Research Experience, Jazan University, Saudi Arabia, January 2013

Grant Proposal Writing, Jazan University, Saudi Arabia, January 2013

Item Writing Workshop (MCQ Construction), Faculty of Medicine, Jazan University, Saudi Arabia, May 2012

1st workshop on scientific writing and EndNote, Medical Research Center, Jazan University, Saudi Arabia, January 2012

JUSUR system for E-Learning Management, Deanship of E-Learning and Distance Learning Jazan University, Saudi Arabia, January 2012

Quality Research Methods, Faculty of Medicine – Jazan University, Jazan, Saudi Arabia, December 2010

Professional Skills Workshop, Society of Neuroscience of Africa (SONA), Sharm Sheikh, Egypt, December 2009

Understanding the Special Senses, 2nd Teaching Tools Workshop, International Brain Research Organization (IBRO), Society for Neuroscience (SFN), National Academy of Science (USA), SONA, Fayoum University, Egypt, December 2009

Quality standards in teaching process, Staff and Leaders Developing Skills Center, Menoufia University, January, 2009

Occupational and Environmental Respiratory Diseases and Occupational and Environmental Medicine Update (MDM08N01), School of Medicine, UCSF, USA, March, 2008

Meta-Analysis (PSY 510), Psychology department, PSU, USA, Winter, 2008

Concepts of Environmental & Occupational Health (CPH 539), School of Nursing, OHSU, USA, Winter, 2008

Environmental and Occupational Epidemiology (PHPM 515), Preventive Medicine & Public Health Dep., OHSU, USA, Fall, 2008

Spatial Data Analysis with GIS (PHPM 533), Preventive Medicine & Public Health Dep., OHSU, USA, Summer, 2007

Epidemiology III (PHPM 514), Preventive Medicine & Public Health Dep., OHSU, USA, Spring, 2007

Multiple regression & Multivariate quantitative methods (PSY 622), Psychology department, PSU, USA, Spring, 2007

Occupational Health Psychology (PSY 610), Psychology department, PSU, USA, Winter, 2007

Epidemiology II (PHPM 513), Preventive Medicine & Public Health Dep., OHSU, USA, Winter, 2007

Epidemiology I (PHPM 512), Preventive Medicine & Public Health Dep., OHSU, USA, Fall, 2007

Univariate Quantitative Methods (PSY 621), Psychology department, PSU, USA, Fall, 2006

Effective Teaching program, Staff and Leaders Developing Skills Center, Menoufia University, March, 2006

Scientific Research Methods program, Staff and Leaders Developing Center, Menoufia University, March, 2006

Environmental Management of Laboratories Hazards Wastes (Chemical and Biological) course, National Research Center, Cairo, December, 2005

Human Performance in Health and Disability, Egyptian Society of Fitness, Disability and Environmental Health, Cairo, Egypt December 2005

Profession Ethics program, Staff and Leaders Developing Skills Center, Menoufia University, September, 2005

Effective Communication Skills program, Staff and Leaders Developing Skills Center, Menoufia University, February, 2005

Thinking Skills program, Staff and Leaders Developing Skills Center, Menoufia University, October, 2004

Controlling Acquired Infection Control in Hospitals course, Infection control quality in university hospitals project, Menoufia Faculty of Medicine, September, 2004

Human Performance in Health and Disability, Egyptian Society of Fitness, Disability and Environmental Health, Cairo, Egypt March 2004

Principles of Cardiopulmonary Exercise Testing and its Interpretation course, Kasr El-Aini Faculty of medicine, Cairo, December, 2003

Advanced SPSS course, Menoufia University, May 2003

Power Point course, Menoufia University, April-May, 2003

Intensive Care, Critical Emergencies, Disaster Management, Pan Arab League of Continuous Medical Education, Cairo Egypt, March 2003

Computer and Internet course, Menoufia University, February-March, 2003

SPSS course in Menoufia University, January, 2003

Assessment of Cardiopulmonary Fitness in Health and Disease course in Kasr El-Aini Faculty of medicine, December, 2002

The Leadership Activity, Leaders Preparing Institute of Helwan, Egypt, November, 2001

**SUPERVISION OF GRADUATE AND UNDERGRADUATE RESEARCH PROGRAMS**

**Student International Exchange program, Faculty of Medicine, Jazan University**

September-December 2013

Korairi A, Hakami MS, Shubaily H, Shubaili M.

The effectiveness of combined behavioral and pharmacological therapy versus pharmacological alone on smoking cessation rates among males in Jazan, Saudi Arabia 2012

**Undergraduate student projects**

September – December 2010

Kariri A, Somaili M, Mahzari A, Mjamami Q, Jarab F, Khairi S, Hommedi A, Madkhali A, Al Basheer A, Bjoi A.

Injection safety at primary health care level in Jazan Region

December, 2011

Alwan A, Ayiashe A, Kormy S, Hazae F, Allole H, Bakri M, Hollel S, Somili A, Sbaei M, Daily M, Zguil A.

Prevalence of Diabetes Mellitus & Life style of Diabetic Patients in Jazan Region

November – December, 2012

Alnami A, Al-Asfour A, Awadh A, Bahlool E, Al-Ghawi M, Al-Hazmi S, Qadri R.

Breastfeeding Indicators in Jazan Region

November - December, 2012

Alhazmi T, Khurmi S, Zughbi T, Qasem Y, Alhazmi A, Sharahili J.

Drug Compliance among Type 2 Diabetic patients in Jazan Region, Saudi Arabia

March - April 2013

Fathi A, Hakami I, Mujalli W, Radhwan I, mossawa H, Mubarki K, Muashi M.

Public Knowledge and Awareness Related To Antibiotics Use and Drug Resistance in Jazan Region, Saudi Arabia

September – October 2013

Ageel M, Khormi S, Al-Shafai H, Bahkeli M, Majrashi S, Otaif S.

Social Media Addiction among Students in Jazan University

August – October 2014

AlHamoud M, AlKhairat S, Jamal M, Daghriri M, Najmi A, Sumaily A, Mubarki T, Daghriri Y.

Adverse childhood experiences