

Curriculum Vitae

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Personal information

Full Name: Abdel-Tawab Halim Mossa **Sex & Marital Status:** Male; Married

Nationality: Egyptian. **Date of birth:** 09/02/1970

E-mail: abdeltawab.mossa@yahoo.com **Residence:** Cairo

Languages: Arabic (native), English (Written, Spoken)

Citation and H Index

Scopus:

Author ID: 25936490500 **H Index:** 7

Name: Mossa, A. T H **other formats:** Mossa, A. H.; Mossa A. T. H.

Highly cited: 80 **Citations:** 243

<http://www.scopus.com/authid/detail.url?authorId=25936490500>

Google citation:

Name: Abdel-Tawab H. Mossa

H-index: 12 **Highly cited:** 110

Documents: 54 **Citations:** 504

http://scholar.google.com/citations?user=zUp1Q_UAAAAJ&hl=en

Affiliation

National Research Centre (NRC)

Chemical Industries Division

Pesticide Chemistry Department

33 Bohouth Str., Dokki, 12311Giza, Egypt.

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202-0100 503 8 504 (Cell)

Role: Associate Professor in Pesticide chemistry.

Education and degrees

- **PhD (2004)** Genotoxicity of Pesticides. Pesticide Chemistry and Toxicology Department, Faculty of Agriculture (Damanhour), Alexandria University, Egypt.
- **MSc (1998)** Toxicity and Residues of some Pesticides on and in some Vegetable Crops. Pesticide Chemistry Department, Faculty of Agriculture (Damanhour), Alexandria University, Egypt.
- **BSc (1994)** Plant production Department, Faculty of Agriculture (Damanhour), Alexandria University, Egypt.

Career experience

- February 2011- present: Associate Professor at Pesticide Chemistry Department, National Research Centre (NRC).
- January 2006 - 2011: Researcher at Pesticide Chemistry Department, NRC.
- May 2004 - 2005: Associate Researcher at Pesticide Chemistry Dept., NRC.
- February 1997 - 2004: Expert in Experts Administration, Ministry of Justices, Arab Republic of Egypt.

Teaching

1995 - 2005: Pesticide Chemistry and Toxicology Department, Faculty of Agriculture (Damanhour), Alexandria University.

Societies Membership

- Egyptian Society of Toxicology.
- Egyptian Society of Chemistry
- Arabic Society of Medicine Research

Scope of Research Activities

- Mammalian biochemical toxicology investigations on pesticides and heavy metals.

- Genotoxicity and endocrine disrupter of pesticides and heavy metals on mammals.
- Cytotoxicity effects of oxygen free radicals and reactive oxygen compounds (i.e. pesticides, heavy metals) on antioxidant enzymes in erythrocytes membrane *in vivo* and *in vitro*.
- Hazard evaluation of long-term exposure to pesticides and environmental pollutant on the health of rural agricultural workers.
- Assessment and modeling of toxicity interactions of xenobiotics in living organisms.
- Microtox assay to determine the toxicity of aquatic pollutants, wastewaters, fossil fuel process water, mycotoxins, pesticides, petrochemicals, and potential carcinogens.
- Bioassay-guided fractionation (BGF) for investigating botanical biocides against pests of hygienic and economic importance.
- Monitoring of toxic chemicals, their residues, transformations and accumulation in natural ecosystems.
- Detoxification and environmental remediation approaches.
- *In vitro* and *in vivo* evaluation of antioxidant against xenobiotics induced oxidative damage.

Supervisor

Supervising two master students:

- Thesis: Biological Activity of Plant Extracts against Some Weeds of Economic Importance, Botany and Microbiology Department, Faculty of Science (Girls Branch), AL-Azhar University.
- Thesis: Studies of the interrelationship between pesticide residues and their toxicological effects on weanling rats, Pesticides Department, Faculty of Agriculture, Cairo University Egypt.

Scientific Missions

- **September 14-20, 2012:** Laboratoire des Interactions Moléculaires et Réactivité Chimique et Photochimique, Université Paul-Sabatier, Toulouse, France.

- **May 31 - June 30, 2013:** Laboratoire des Interactions Moléculaires et Réactivité Chimique et Photochimique, Université Paul-Sabatier, Toulouse, France.
- **October 20-28, 2013:** Laboratoire des Interactions Moléculaires et Réactivité Chimique et Photochimique, Université Paul-Sabatier, Toulouse, France.
- **April 1-30, 2014:** Laboratoire des Interactions Moléculaires et Réactivité Chimique et Photochimique, Université Paul-Sabatier, Toulouse, France.
- **October, 13-31, 2014:** Chinese Academy of Agriculture Sciences, Beijing, P. R. China.

Editorial Board

- 1- Frontiers in Environmental Toxicology “Associate Editor”
<http://community.frontiersin.org/people/Abdel-TawabMossa/60070>
- 2- Journal of Environmental and Analytical Toxicology
<http://www.omicsonline.org/editorialboardJEAT.php>
- 3- International Journal of Agricultural Research “Regional Editor”
<http://scialert.net/eboard.php?issn=1816-4897>
- 4- International Journal of Pharmacy and Pharmaceutical Science
<http://innovareacademics.in/journals/index.php/ijpps/pages/view/editorial-board>
- 5- African Journal of Biochemistry Research
<http://www.academicjournals.org/ajbr/Editors.htm>
- 6- Journal of Pharmacology and Toxicology
<http://scialert.net/eboard.php?issn=1816-496x>
- 7- Asian Journal of Agricultural Research
<http://scialert.net/eboard.php?issn=1819-1894>
- 8- Research Journal of Environmental Toxicology
<http://scialert.net/eboard.php?issn=1819-3420>
- 9- Asian Journal of Scientific Research
<http://scialert.net/eboard.php?issn=1992-1454>
- 10- Life Science Global
<http://www.lifescienceglobal.com/independent-journals/journal-of-basic-and-applied-sciences/editorial-board>
- 11- International Journal of Applied Science and Technology Research Excellence
http://www.ijastre.org/index.php?option=com_content&view=article&id=6&Itemid=7
- 12- International Greener Journals

<http://gjournals.org/team.html>

13- Journal of Basic & Applied Sciences

<http://www.lifescienceglobal.com/independent-journals/journal-of-basic-and-applied-sciences/editorial-board>

Reviews

- Pesticide Biochemistry and Physiology
- Food and Chemical Toxicology
- Hazardous Materials
- Ecotoxicology and Environmental Safety
- Environmental Toxicology
- Human and Experimental Toxicology
- Toxicology and Industrial Health
- Journal of Environmental & Analytical Toxicology
- Frontiers in Environmental Toxicology
- Journal of Pharmacology and Toxicology
- Science Alert Journals

Conference:

- Speaker: The 20th Annual Scientific Conference of the Egyptian Society of Toxicology, “Safety and Uses of Drugs and Environmental Chemicals in Different Age Groups”, 9-10 April 2005, Benisuif, Egypt.
- Poster: The 2nd International Conference of Chemical Industries Research Division, “Chemical Industries: Role and Future Aspects”, 21-23 November 2006, National Research Centre (NRC), Cairo, Egypt.
- Speaker: The first Africana Congress in Pesticides and Toxicology Sciences, 8-11 November, 2008, Wad Medani, Soudan.
- Poster: The 3th International Conference of Chemical Industries Research Division, “Chemical Industries: Role and Future Aspects”, December, 2008, National Research Centre (NRC), Cairo, Egypt.
- Speaker: The 10th Annual Congress of Medical Sciences, Medical Research towards Health Science, 14-16 January 2013, National Research Centre (NRC), Cairo, Egypt.
- Speaker: The 11th Annual Congress of Medical Sciences, Medical Research between Theory & Applications: Challenges and Innovations, 17-19 December, 2013, National Research Centre (NRC), Cairo, Egypt.

- Speaker: The 3rd Pest Management Conference of the Sudan, ARC, 3rd – 4th February 2014, Wad Medani, Sudan.

Symposium:

A- International

- Pesticide Liberation in Sudan. Al-Gather University, Wad Medani, Sudan, 9 November, 2008.
- Health Risk, Management and Mitigation of Algal Toxins in Food and Drinking Water. Academy of Scientific Research & Technology, Egypt, National Committee of Toxicology, National Research Center, Cairo, Egypt, 15th December, 2008.
- Molecular Modeling in the Drug Discovery Process. National Research Centre (NRC), Egypt, Pesticide Chemistry Department, 20 October 2009.
- Rice Waste Management (Straw-Bran-Husk) Scientific Industrial Solutions. National Research Centre (NRC), Cairo, Egypt, National Research Centre and Kaha for Environmental & Agricultural Projects, 22 October 2009.
- Advances in Food Security and Safety against Terrorist Threats and Natural Disasters. The NATO Science for Peace and Security Program, Cairo, Egypt, 13-15 April, 2010.
- Environmental & Bio-agriculture, National Research Centre, 2-3 April, 2012.
- New Trends in Organic Chemistry, Research Overview, National Research Centre, March 20, 2012.
- Food Quality and Safety (IWEQS), Mansoura University, 15-17 February 2014.
- International Training Workshop on High Efficient Plant Factory Technology, 14-31 October, 2014, Graduate School of Chinese Academy of Agricultural Sciences, China.

A- National

- Environmental Chemicals & Sex Hormones, National Research Centre (NRC), Egypt, Pesticide Chemistry Department, 7 August 2006.
- Biologically Strategies: A New Challenge Facing Agrochemicals for Crop Protection. National Research Centre (NRC), Egypt, Pesticide Chemistry Department, 17 September 2006.
- Genetically Modified Crops: Effects on Human Health and Environmental. Academy of Scientific Research & Technology, Egypt, National Committee of Toxicology, 14 February 2007.

- Health Hazards of Drinking Water Pollution. Academy of Scientific Research & Technology, Egypt, National Committee of Toxicology, 28 May 2007.
- Pollution of the Egyptian Lakes and ways of remediation. Academy of Scientific Research & Technology, Egypt, National Committee of Toxicology, 5-6 May 2009.
- Polyphenols and their antioxidant activity, National Research Centre, Dokki, Cairo, Egypt, Plant Biochemistry Department, 27 December 2010.
- Bioindicator and Biomarkers, National Research Centre (NRC), Egypt, Pesticide Chemistry Department, 30 May 2011.

Research Projects

Current research projects

1. **PI:** Hepatoprotective activities of some plant extracts against lipid peroxidation and oxidative stress induced by pesticides in liver of rats, Science & Technology Fund (STDF), ID 11953.
2. **Member:** Study the production and marketing of green chemical products utilizing rice straw/rice husk, NRC Project No. 10130103 (2013-2016).
3. **Member:** Aquaculture food safety-chemical hazards, NRC Project No. 10110301 (2013-2016).
4. **Member:** Rationalization of the functionalized carbon nano-tubes as innovative biological nano-carriers, NRC Project No. (2013-2016).
5. **Member:** Industrial feasibility of agricultural residues for production of biologically and economically high valued biopolymer derivatives, NRC Project No. 10130104 (2013-2016).

Completed research projects

1. **PI:** Antioxidant and hepatoprotective activities of some plant extracts against oxidative stress and liver damage induced by organophosphorus pesticides in weanling rats, Egyptian -French Co-operation. Project No. 109/ EGY/ FR 8-02.

2. **Member:** Producing Economically Important Chemical Intermediate Utilizing Agricultural Wastes, Science & Technology Fund (STDF), ID 133 (2009-2013).
3. **Member:** Medicinal Plants as Hepatoprotective and Hepatocurative agents, NRC Project No. 9080101 (2010-2013).
4. **Member:** Risk Assessment of Exposure to Chemical Mixtures (Pesticides & Heavy Metals), NRC Project No. 7010108 (2004-2007).
5. **Member:** Uses of Industrial and / or Agriculture Wastes and Local Chemicals in the Preparation of Economically Important Chemical Intermediates with Attempts to Find Small Applicable Integrated Technological Systems, NRC Project No. 8040104 (2007 – 2010).
6. **Member:** Evaluate the efficiency of pesticides on cotton pests, Ministry of Agriculture, Egypt, 1997-2004, Pesticide Chemistry and Toxicology Department, Fac. of Agric. (Damanhour), Alex. Univ., Egypt.

Publications

1. Abbassy MA, MA Marzouk, AH Belal, **AH Mossa** (1998). Residual levels of pirimiphos-methyl in fresh and postharvest-treated potatoes during storage and home processing. *Alex. Sci. Exch.*, 19(4): 529-542.
2. Abbassy MA, AH Belal, MA Seehy, **AH Mossa** (2004). *In vivo* genotoxic effect of two pyrethroid insecticides, cypermethrin and deltamethrin on male albino rats. *J. Agric. & Env. Sci. Alex. Univ., Egypt*, 3 (2):27-38.
3. Mansour SA, **AH Mossa** (2005). Comparative effects of some insecticides as technical and formulated on male rats. *J. Egypt. Soc. Toxicol.*, (32): 41-54.
4. Marzouk MA, FS Sabra, **AH Mossa** (2005). Haematological profile of technical and formulated tribenuron-methyl of male albino rats. *Alex. J. Agric. Res.*, 50: 161-166.
5. Sabra FS, MA Marzouk, **AH Mossa** (2005). Reproductive effects of technical and formulated tribenuron-methyl on male albino rats. *Int. J. Agri. Biol.*, 7(6):1030-1033.

6. Abbassy MA, AH Belal, MA Seehy, **AH Mossa** (2005). *In vivo* genotoxic effects of two organophosphorus and one carbamate insecticides on male albino rats. *J. Agric. & Env. Sci. Alex. Univ.*, Egypt, 4 (1):57-68.
7. Abbassy MA, AH Belal, MA Seehy, **AH Mossa** (2007). *In vitro* effect of some insecticides on human lymphocytes. *J. Agric. & Env. Sci. Alex. Univ.*, Egypt, 5(1): 45-56.
8. Mansour SA, **AH Mossa**, TM Heikal (2007). Haematotoxicity of a new natural insecticide "spinosad" on male albino rats. *Int. J. Agri. Biol.*, 9(2): 342-346.
9. Mansour SA, AH Mossa and TM Heikal (2008). Cytogenetic and hormonal alteration in rats exposed to recommended "safe doses" of spinosad" and malathion insecticides. *Int. J. Agri. Biol.*, 10 (1): 9-14.
10. Mansour SA, TM Heikal, **AH Mossa** (2008). Biochemical and histopathological effects of formulations containing Malathion and Spinosad in rats. *Toxicol. Int.* 15 (2): 71-78.
11. Mansour SA, TM Heikal, **AH Mossa**, A Refa (2008). Toxic effects of five insecticides and their mixture on male albino rats. *J. Egypt. Soc. Toxicol.* 39: 85-94.
12. Mansour SA, **AH Mossa**, TM Heikal (2009). Effect of methomyl on lipid peroxidation and antioxidant enzymes in rat erythrocytes: *in vitro* studies. *Toxicol. Indu. Hlth.* 25 (8): 557-563.
13. Mansour SA, **AH Mossa** (2009). Lipid peroxidation and oxidative stress in rat erythrocytes induced by chlorpyrifos and the protective effect of zinc. *Pest. Biochem. Physiol.* 93: 34-39.
14. Mansour SA, **AH Mossa** (2010). Oxidative damage, biochemical and histopathological alteration in rat exposed to chlorpyrifos and the role of zinc as antioxidant. *Pest. Biochem. Physiol.* 96: 14-23.
15. Mansour SA, **AH Mossa** (2010). Adverse effects of lactational exposure to chlorpyrifos in suckling rats. *Human & Experimental Toxicology.* 92 (2): 77-92.
16. El-Ebiary NMA, RH Swellem, **AH Mossa**, GAM Nawwar (2010). Synthesis and antioxidant activity of new pyridines containing the gallate moieties. *Arch. Pharm. Chem. Life Sci.* 9: 528–534.
17. Mansour SA, **AH Mossa** (2011). Adverse effects of exposure to low doses of chlorpyrifos in lactating rats. *Toxicology Industrial Health.*, 27(3) 213–224.
18. El-toumy SA, SM Mohamed, EM Hassan, **AH Mossa** (2011). Antioxidant activity of phenolic metabolites isolated and identified from *Acacia nilotica* flowers. *American Sciences* 7(3): 287-295.

19. Mansour SA, TM Heikal, A A Refaie, **AH Mossa** (2011). Antihepatotoxic activity of fennel (*Foeniculum vulgare* Mill.) essential oil against chlorpyrifos-induced liver injury in rats. *Global of Environmental Science and Technology*, 1: 1-11.
20. **Mossa AH**, GA Nawwar (2011). Free radical scavenging and antiacetylcholinesterase activities of *Origanum majorana* L. essential oil. *Human & Experimental Toxicology*, 30 (10), 1501-1513.
21. **Mossa AH**, AA Refaie, A Ramadan (2011). Effect of exposure to mixture of four organophosphate insecticides at No Observed Adverse Effect Level (NOAEL) dose on rat liver: the protective role of vitamin C. *Research J. Environmental Toxicology*, 5 (6), 323-335.
22. Marzouk MA, MA Abbassy, SA Mansour, **AH Mossa**, SR Elsayed (2011) Effect of dimethoate, dicofol and voltaren on oxidant/antioxidant status in male rats: Role of selenium. *J. Agric. & Env. Sci. Dam. Univ., Egypt*, Vol.10 (2): 40-60.
23. Tarek MH, **AH Mossa**, GIKh Marei, MA Abdel Rasoul (2012). Cyromazine and Chlorpyrifos Induced Renal Toxicity in Rats: The Ameliorating Effects of Green Tea Extract. *J Environ Anal Toxicol*, 2:146-153.
24. **Mossa A H**, MA Abbassy (2012). Adverse haematological and biochemical effects of certain formulated insecticides in male rats. *Research Journal of Environmental Toxicology*, 6: 160-168.
25. Abbassy MA and **AH Mossa** (2012). Haemato-biochemical effects of formulated and technical cypermethrin and deltamethrin insecticides in male rats. *Journal of Pharmacology and Toxicology*, 7:312-321
26. **Mossa AH**, MA Marzouk, FS Sabra (2012). Cytogenetic effects of technical and formulated Tribenuron-Methyl on rat bone-marrow cells. *Journal of Pharmacology and Toxicology*, 7:330-337.
27. **Mossa AH**, TM Heikal, EA Omara (2012). Physiological and histopathological changes in the liver of male rats exposed to paracetamol and diazinon. *Asian Pacific Journal of Tropical Biomedicine*. 12:S1683-S1690.
28. Heikal TM, **AH Mossa**, GAM Nawwar, M El-Sherbiny, HZ Ghanem (2012). Protective effect of a synthetic antioxidant "acetyl gallat derivative" against dimethoate induced DNA damage and oxidant/antioxidant status in male rats. *J Environ Anal Toxicol*. 2:155-162.
29. Tarek MH, **AH Mossa**, MA Abdel Rasoul, GIKh Marei (2013). The ameliorating effects of green tea extract against cyromazine and chlorpyrifos induced liver toxicity in male rats. *Asian Journal of Pharmaceutical and Clinical Research*. 6: 48-55.

30. Mostafa OMS, HM Abu El Einin, **AH Mossa** (2013). Inorganic Elements Alteration in *Biomphalaria alexandrina* Snails Naturally Parasitized with *Echinostoma liei* or *Schistosoma mansoni*. *Science International* 1 (5): 139-143.
31. **Mossa AH**, AA Refaie, A Ramadan, J bouajila (2013). Antimutagenic effect of *Origanum majorana* L. essential oil against prallethrin induced genotoxic damage in rat bone marrow cells. *Journal of Medicinal Food*, 16 (12): 1101-1107.
32. **Mossa AH**, AA Refaie, A Ramadan, J Bouajila (2013). Amelioration of prallethrin-induced oxidative stress and hepatotoxicity in rat by the administration of *Origanum majorana* essential oil. *BioMed Research International* 2013: 1-11.
33. Heikal TM, **AH Mossa**, AW Ibrahim and HF Abdel-Hamid (2014). Oxidative damage and reproductive toxicity associated with cyromazine and chlorpyrifos in male rats: the protective effects of green tea extract. *Research Journal of Environmental Toxicology* 8 (2), 53-67.
34. **Mossa AH**, TM Heikal, EAA Omara (2014). Liver damage associated with exposure to aspirin and diazinon in male rats and the ameliorative effect of selenium. *Biomedicine & Aging Pathology* 4 (2), 137-145.
35. Heikal TM, **AH Mossa**, AW Ibrahim and HF Abdel-Hamid (2014). Hepatorenal damage and oxidative stress associated with pirimiphos-methyl exposure in male mice. *Oxid Antioxid Med Sci* 3(2):109-117
36. Abbassy MA, AESM Marei, MAM Al-Ashkar, **ATH Mossa** (2014). Adverse biochemical effects of various pesticides on sprayers of cotton fields in El-Behira Governorate, Egypt. *Biomedicine & Aging Pathology* 4 (3): 251–256.
37. Ragab T IM, H Amer, AAF Wasfy, MS Abdel Hady, **AH Mossa**, F Liebner (2014). Sulfated cellulose from agriculture wastes, anticoagulant, fibrinolytic and toxicological studies. *Journal of Environmental Science and Technology* 7 (5), 266-280.
38. Abbassy MA, MA Marzouk, SA Mansour, HA Shaldam, **AH Mossa** (2014). Impact of Oxidative Stress and Lipid Peroxidation Induced by Lambda-cyhalothrin on P450 in Male Rats: The Ameliorating Effect of Zinc. *J Environ Anal Toxicol* 4 (218), 1-5.
39. **Mossa AH**, TM Heikal, SMM Mohafrash (2014). Lipid peroxidation and oxidative stress in rat erythrocytes induced by aspirin and diazinon: the protective role of selenium. *Asian Pacific Journal of Tropical Biomedicine* 4 (Suppl 2), S680-S686.
40. Sameeh AM, Om MA Khafagi, **AH Mossa**, RM El-Sanhoury (2014). Allelopathic Effects of Some Botanical Extracts, Compared to the Herbicide

- Atrazine, against Germination of Selected Weeds. Egyptian Academic Journal of Biological Sciences H. Botany 5 (1), 21-38.
- 41- Mossalem HS, **AH Mossa** (2014). Effect of rice bran extract on immunological and physiological parameters of *Biomphalaria alexandrina* snails infected with *Schistosoma mansoni*. Afr. J. Pharm. Pharmacol. 22: 621-628.
 42. Refaie AR, A Ramadan, **AH Mossa** (2014). Oxidative damage and nephrotoxicity induced by prallethrin in rat and the protective effect of *Origanum majorana* essential oil. Asian Pac J Trop Med. 7S1:S506-S5013.
 43. Mostafa OMS, **AH Mossa**, HMA El Einin (2014). Heavy metal concentrations in the freshwater snail *Biomphalaria alexandrina* uninfected or infected with cercariae of *Schistosoma mansoni* and/or *Echinostoma liei* in Egypt: the potential use of this snail as a bioindicator of pollution. Journal of Helminthology 88: 411–416
 44. Heikal TM, **AH Mossa**, WKB Khalil (2014). Protective effects of vitamin C against methomyl-induced injures on the testicular antioxidant status and apoptosis-related gene expression in rat. J Environ Anal Toxicol 5:2, 1-7.
 45. **Mossa AH**, TM Heikal, SMM Mohafrash, AA Refaie (2015). Antioxidant potential and hepatoprotective activity of *Origanum majorana* leaves extract against oxidative damage and hepatotoxicity induced by Pirimiphos-methyl in male mice. Journal of Applied Sciences 15(1): 69-79.
 46. **Mossa AH**, Eman S. Swelam, Samia MM Mohafrash (2015). Studies on oxidative stress, biochemical and histopathological changes in the liver and kidneys of male albino rats induced by sub-chronic exposure to fipronil. Toxicology Reports. In press.
 47. Montet D, El Shobaky A, Barreto Crespo MT, Payrastra L, Mansour H, Othman Y, MorshdyA, El Zayat M, Ibrahim H, El-Arabi T, Magid El-Shibiny AA, Nagy K, Fadaly H, Sorour MA, Hassanien YA, Hassan AR, Abdel-Mawgood AL, Ahmed A, Abdelghany S, Radwan M, Ismaiel M, Magdy M, Negm M, **Mossa AT**, Heikal T, Abd EL-Hamid AM, El Shahaby O, Abdu A, Mowafy A, Sabaa G, Mohamed S (2015). Future topics of common interest for EU and Egypt in food quality, safety and traceability. Quality Assurance and Safety of Crops & Foods, 2015; 7 (3): 401-408
 48. **Mossa AH**, TM Heikal, M Belaiba, EG Raelison, H Ferhout, J Bouajila (2015). Antioxidant activity and hepatoprotective potential of *Cedrelopsis grevei* on cypermethrin induced oxidative stress and liver damage in male mice. BMC Complementary and Alternative Medicine. “Under Review”.
 49. **Mossa AH**, FM Ibrahim, SMM Mohafrash, DH Abou Baker, S El Gengaihi (2015). Protective effect of winemaking by-product extract against the adverse effects of cypermethrin on weanling female rats. Evidence-Based Complementary and Alternative Medicine. Under Review.