



CURRECULUM VITAE

1)- PERSONAL DETAILS

Name:	Ashraf Mohamed Ahmed Ali
Nationality:	Egyptian
Date of birth:	9 / 10 / 1967
Marital status:	Married (has 5 children)
Address:	Currently: Zoology Department, Faculty of Science, King Saud University, Saudi Arabia. Permanent: Zoology Department, Faculty of Science, Minia University, El-Minia, Egypt.
Websites	https://www.keele.ac.uk/caep/worldwidecollaborations/ http://faculty.ksu.edu.sa/73101/default.aspx
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2)- ACADEMIC QUALIFICATIONS

Bachelor of science: (Entomology)	Entomology Department, University of Zagazeeg, Benha Branch, Egypt (May, 1990).
MSc in Entomology; (Insect Immunity):	Zoology Department, Minia University, El-Minia, Egypt (March, 1993- July, 1995). Title: Some immune response mechanisms of the cotton leaf worm <i>Spodoptera littoralis</i> and silk worm <i>Bombyx mori</i> to some biological and non-biological agents.
PhD in Entomology; (Vector Biology & Immunity):	Biological Sciences Department, Keele University, UK (January, 1998 - January, 2002). Title: Molecular approaches to the effect of malaria infection on anopheline mosquito reproductive fitness.

3)- TEACHING EXPERIENCES

Demonstration:	a)- In Zoology Department, Faculty of Science, Minia University, El-Minia, Egypt (March, 1992- December, 1995). b)- In Biological Sciences Department, Keele University, UK (January, 1999 - December, 2001).
Assistant Lecturer	In Zoology Department, Faculty of Science, Minia University, El-Minia, Egypt (from 1995 - 1998).
Assistant Professor	In Zoology Department, Faculty of Science, Minia University, El-Minia, Egypt (from February, 2002 – October, 2007).
Associate Professor	a)- In Zoology Department, Faculty of Science, Minia University, El-Minia, Egypt (from October, 2007 until now). b)- In Zoology Department, Faculty of Science, King Saud University, Riyadh, KSA (from 2008 until now).
Professor	<ul style="list-style-type: none">• In Zoology Department, Faculty of Science, King Saud University, Riyadh, KSA (from February 2013),• In Zoology Department, Faculty of Science, Minia University, Egypt (from August 2013).

4)- TEACHING INTERESTS

I)- At Minia University

1. General Entomology (Morphology, Anatomy and Taxonomy for 3rd year, undergraduate).
2. Animal behaviour (4th year undergraduate).
3. Animal Physiology (3rd year, undergraduate, Faculty of Education).
4. Animal Ecology (4th year, undergraduate).
5. General Zoology, Taxonomy and Parasitology (1st year, postgraduate).
6. Insect Ecology (1st year, postgraduate, Faculty of Education).

II)- At King Saud University (see attachment 7)

1. General Entomology (Zoo-113) for 3rd year Zoology students.
2. General Biology (Zoo-145) for premedical students.
3. General Zoology (Zoo-103) for 1st year Zoology and Faculty of Agriculture students.
4. Applied Entomology and Parasitology (Zoo- 611) for PhD students.

5)- RESEARCH INTERESTS

1. **Mosquito vector Immunity and Physiology:** Studying the different immune responses of mosquitoes aiming to utilizing the innate immune system of mosquito vectors against causative agents of mosquito-borne diseases.
2. **Plasmodium-Mosquito vector interaction:** Studying the possibility of utilizing the innate immune system of mosquito vector to control malaria parasite.
3. **Biocontrol of Mosquito vector:** Investigating new natural microorganisms suitable for use as biological control agents against mosquito vectors.

6)- POSTGRADUATE SUPERVISIONS

I)- Successfully completed:

1. One successfully completed [MSc](#) on biocontrol of wastes using an environmentally safe bacteria titled as "**Utilization of *Bacillus subtilis* for the Treatment of Solid Organic Proteinacious wastes**" (2008).
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2. One successfully completed [PhD](#) on mosquitoes titled as "**Cytological and Molecular Effects of *Bacillus thuringiensis* and *Bacillus sphaericus* on the Mosquito *Aedes caspius***" (2009).
3. One successfully completed [PhD](#) on the poisonous samsum ant in Riyadh Region titled as "**Biological and Toxicological Aspects on Black Samsum Ant, *Pachycondyla sennaarensis* (Hymenoptera: formicidae) in Selected Regions in the Kingdom of Saudi Arabia**" (2010).
4. One successfully completed [MSc](#) on ecological distribution of the poisonous samsum ant in Ehsaa' Region titled as "**Distribution of Samsum Ant, *Pachycondyla sennaarensis* (Hymenoptera: Formicidae) in Ehsaa' Governorate and Studying the Role of Trail Pheromone in its Social Behaviour**" (2011).
5. One successfully completed [MSc](#) on biocontrol of mosquitoes titled as "**Utilization of a Novel Bacterial Extract Against Types of Mosquito Vectors larvae in Saudi Arabia: a promising environmentally safe bioinsecticide**" (2011).
6. One successfully completed [MSc](#) on ant immunity titled as "**Purification and Characterization of an Immune Lectin Component from Samsum Ant, *Pachycondyla sennaarensis* in Saudi Arabia**" (2012).
7. One successfully completed [MSc](#) on Honeybee immunity titled as "**External Immune Stimulation and Its Cellular Impacts in the Honey Bee, *Apis mellifera jementica***" (2013).
8. One successfully completed [MSc](#) on mosquitoes biocontrol titled as "**Toxicity Test of Native Isolates of *Bacillus thuringiensis* Bacteria Against Larvae of *Culex pipiens* and *Aedes caspius* in the Kingdom of Saudi Arabia**" (2015).

II)- Currently ongoing:

9. One currently ongoing [MSc](#) on mosquitoes biocontrol titled as titled as "**Histological and physiological impacts of the entomopathogenic bacteria *Bacillus thuringiensis* on *Culex pipiens***".
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7)- PARTICIPATION AT MEETINGS

1)- In Egypt:

1)- The 1st Congress of Sciences and Development:

Organised by the Faculty of Science, El-Azhar University, EGYPT, 20th –23rd of March, 1995.

Title: Effect of *Heterorhabditis bacteriophora* nematode on the cellular immune responses of the silk worm *Bombyx mori* and the Egyptian cotton leaf worm *Spodoptera littoralis*.

2)- The 3rd Congress of Toxicology In Developing Countries:

Organised by the National Research Centre, Cairo, EGYPT, 19th –23rd of November, 1995.

Title: Effect of *Bacillus thuringiensis* bacteria and spore- δ -endotoxins on the immune system of *Bombyx mori*.

3)- The 3rd International Conference on Biological Sciences:

Organised by University of Tanta, Tanta, EGYPT, 28th – 29th of April, 2004.

Title: Activation of the immune system of *Anopheles gambiae* against malaria parasite: a comparison between bacterial infection and a botanical extract.

4)- The 1st International Conference on Natural Toxins:

Organised by Faculty of Pharmacy, October 6 University, Cairo, EGYPT, from 18th – 19th of December 2004.

Title: Towards utilizing the immune system of mosquito vector to block malaria transmission as a suggested alternative for chemical control.

5)- The 15th International Conference of the Egyptian German Society of Zoology:

Organized by Faculty of Girls, Ain Shams University Cairo, EGYPT, from 26th of February – 2nd of March 2005.

Title: Melanization of Sephadex beads by the malaria vector, *Anopheles gambiae*: effect of blood meal, and mechanisms of reproductive costs.

6)- The 3rd International Conference of Applied Entomology:

Organized by Department of Entomology, Faculty of Sciences, University of Cairo, EGYPT, from 23rd – 24th of March 2005.

Title: The humoral anti-bacterial response of *Anopheles gambiae* and the immunity-reproduction trade-off: between the hope and limitation of the malaria immuno-control strategy.

II)- In Britain & International:

1)- The 10th Malaria Meeting:

Organised by the British Society for Parasitology (BSP), September, 21–23, 1998, at the University of Edinburgh, Edinburgh, UK.

Title: Effect of *Plasmodium*-infection on the reproductive fitness of *Anopheles gambiae*.

2)- The 11th Malaria Meeting:

Organised by the British Society for Parasitology (BSP), 20th – 22nd of December, 1999, at Imperial Collage, London, UK.

Title: Effect of malaria infection on vitellogenin gene transcription in *Anopheles gambiae* during two gonotrophic cycles.

3)- The XXXI International Congress of Entomology:

20th – 26th of August, 2000, in Iguassu Falls, Brazil.

Title: Effect of malaria infection on mosquito vitellogenesis.

4)- Research In Progress (Short Presentations & Posters)

Organised by The Royal Society of Tropical Medicine and Hygiene, 7th of December, 2000, at Manson House, London, UK.

Title: Effect of malaria infection on vitellogenin mRNA abundance in *Anopheles gambiae*.

5)- Joint Malaria and Spring Meeting

Organised by British Society for Parasitology (BSP), 17th – 20th of April, 2001, at Keele University, Stock-On-Trent, UK.

Title: The effect of immune stimulation on the reproductive fitness of the malaria vector, *Anopheles gambiae*.

6)- Workshop on Ecological Immunity of Arthropods

Organised by the European Society Foundation, 6th – 9th of December, 2001, at Losehill Hall, Sheffield, UK).

Title: Malaria vector, *Anopheles gambiae*: the costs of mounting an immune response.

7)- Joint Malaria and Spring Meeting:

Organized by the British Society for Parasitology (BSP) at the University of Nottingham, Nottingham, UK, from 3rd - 6th of April, 2005.

Title: Immune stimulation and malaria infection impose reproductive costs in *Anopheles gambiae* via follicular apoptosis.

8)- XI International Congress of Parasitology (ICOPA XI):

Organized by the British Society for Parasitology (BSP) at Scottish Exhibition & Conference Centre (SECC), Glasgow, Scotland from 6-11 August 2006.

Title: A dual effect for the black seed oil on *Anopheles gambiae*: enhances immunity and reduced reproductive cost.

9)- NACON VIII: 8th International Meeting on Recognition Studies in Nucleic Acids:

Organized by Biochemistry Department, Sheffield University on 12-16th September, 2010, UK

Title: Development of rDNA-ITS2 real-time PCR assay for differential molecular detection of *Aedes aegypti* and *Aedes caspius* in Saudi Arabia

10)- BSP Annual Spring Meeting, Nottingham:

Organized by British Society for Parasitology, Monday 11th April to Thursday 14th April, 2011.

Title: Controlling the filaria vector, *Culex pipiens*, in Saudi Arabia by a novel bacterial extract: a promising environment-safe biomosquitocide.

11)- BSP Annual Spring Meeting, University of Strathclyde, Glasgow:

Organized by British Society for Parasitology, Monday 2nd of April to Thursday 5th April 2012.

Title: Immune and antioxidant defences in an autogenous *Aedes caspius* mosquito upon infection with *Bacillus thuringiensis kurstaki*.

12)- BSP Annual Spring Meeting, University of Bristol:

Organized by British Society for Parasitology, Monday 8th of April to Thursday 11th of April 2013.

Title: Immune and cellular impacts in the autogenous *Aedes caspius* larvae after experimentally-induced stress: Effects of *Bacillus thuringiensis* infection.

III)- In Saudi Arabia

1. The 3rd Saudi Scientific Conference (new horizons in science and their applications):

Organized by the College of Science, King Saud University KSA from 10-13th of March, 2007.

2. The twenty-fourth annual meeting of the Saudi Society for the Life Sciences entitled:

Biotechnology, the reality and Applications:

Organized by the College of Science, King Saud University and Tibah University, Al-Madinah Al-Monawwara (7-9/4/2009)

3. The International Conference on Nanotechnology industries – the leading technology for the 21st Century:

Organized by King Abdullah Institute of Nanotechnology (5-7/4/2009).

4. The twenty-fifth annual meeting of the Saudi Society for the Life Sciences, entitled "Nanotechnology in life sciences":

Organized by Saudi Biological Society in collaboration with Gaml Research center, King Faisal University and King Abdullah Institute for Nanotechnology at King Saud University (11-13/5/2010).

5. The 2nd International Conference of e-learning titled " Unique learning for Next Generation":

Organised by e-learning and Distance Learning National Centre, Riyadh (21-24/2/2011).

8)- Workshops & Training Courses attended

I)- In Egypt:

a) Electron Microscopy

Location: Faculty of Sciences, Assiut University

Duration / Date: March, 25-30, 1995.

a) Training course of Faculty and Leadership Development Project for staff members (FLDP) (26th – 31st of January 2005: Organized by Minia University, El-Minia, EGYPT

- I. Improving presentation skill.
- II. Improving communication skills.
- III. Publishing articles in ISI Journals.
- IV. Working in a research team.
- V. Writing a scientific proposal.

II)- In Saudi Arabia:

a)- Training sessions (at King Saud University):

- 1- Raptivity Interactive Builder program. National Centre for e-learning and distance education. Riyadh (5 – 8/2/1430 H).
 - 2- ISO 9001: 2000 Quality Internal Auditor Course. Faculty of Pharmacy, (19-20/7/2008).
 - 3- E-learning construction. Deanship of E-learning and distance education, KSU (4-6/11/2008).
 - 4- Effective use of smart rooms. Deanship of Skills Development, KSU (17/1/2010).
 - 5- E-learning management system. Deanship of E-learning and distance education, KSU (13 - 14/3/2010)
 - 6- Specification and report of the academic program. Deanship of Skills development, KSU (10 - 11/4/2010).
 - 7- Constructing a teaching digital course for general Zoology (9-20/3/2013).
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b)- Workshops (at King Saud University):

- 1- The role of a faculty member in the external review of the academic program (19/10/2008).
- 2- Course file and accreditation. Development and Quality Agency, College of Science (14 – 15/3/2009).
- 3- Graduated and employers: Feedback. College of Science (1 – 2/6/2009).
- 4- The updated study plan (the ambitions and hopes). Committee of Student Guidance, Zoology department (15/03/2010).
- 5- Requirements of the institutional academic accreditation. College of Science (17/5/2010).
- 6- The profession day (a partnership for the better), the Alumni Affairs Committee (01/06/2010).

III)- In Britain:

1)- Methods of Statistical Analysis of Particular Relevance to Biology

Location: School of Life Sciences, Keele University, UK.

Duration / Date: July - September 1998, 12 Hours Total (6 x 2 hrs).

2)- First Aid Course

Location: School of Life Sciences, Keele University, UK.

Duration / Date: June 1998, 8 hours Total (2 x 4 hrs).

3)- Training course for using hazardous isotopes in laboratory work

Location: School of Life Sciences, Keele University, UK.

Duration / Date: December, 1998.

4)- Teaching and Learning In Higher Education Programme (Science Demonstrators)

Location: School of Life Sciences, Keele University, UK.

Duration / Date: October, 1999, 4 hours (2 x 2 hrs).

9- MEMBERSHIP IN SCIENTIFIC SOCIETIES

1. A member of the British Society for Parasitology (no. 5985).
2. A member of the Egyptian German Society for Zoology.
3. A member of the International Malaria Discussion Group.
4. An Honorary Research Fellow Member at Keele University, UK from 2004 until now (web site: <http://www.keele.ac.uk/caep/people/collaborators/ahmedashraf/>).
5. A member of the Saudi Biological Society.

10)- RESEARCH PROJECTS & PERSONAL ACTIVITIES

I)- Funded Research Projects:

1. A project titled as "The Use of Insect Venoms as Major New Tools in the Fight of Breast Cancer in Saudi Arabia". Funded by King Saud University [ongoing; One Million US Dollars (\$1000,000), from 2009].
 2. A project titled as "Development and Production of Molecular Identification kits for Monitoring of Mosquitoes Vectors in Open Fields". Funded by The Excellent Centre for Biotechnology Research, King Saud University [Nine Hundred Thousand Saudi Riyals (SR 900,000), 2009-2011].
 3. A project titled as "Ecological survey of Samsun ant in Riyadh Region". Funded by King Saud University [Five Hundred Thousand Saudi Riyals (SR 500,000), 2008-2010].
 4. A project titled as "Enhancing the humoral and melanisation responses of *Aedes aegypti* mosquito: a step towards the utilization of immune system against dengue fever". Funded by the research Centre, Faculty of Science, King Saud University [Fifty Thousand Saudi Riyals (SR 50,000), from 2007-2008].
 5. A project titled as "The Immune Enhancer, Thymoquinone, and The Hope of Utilizing the Immune System of *Aedes caspius* Against Disease Agents". Funded by the research Centre, Faculty of Science, King Saud University [Thirty Five Thousand Saudi Riyals (35,000), 2008-2009].
 6. A project titled as "Humoral immune responses of the native honeybee, *Apis mellifera jementica*: towards developing natural antibiotics against infectious food-borne diseases". Funded by the National Plan for Science and Technology Program (NPSTP) at King Saud
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University [One Million and Seven Hundreds Seventy One Thousand Saudi Riyals (SR 1,771,000)]. Ongoing from September, 2012-August, 2014.

7. A project titled as "Native mosquito larvicidal bacteria as new candidates in the control of mosquito-borne diseases in Saudi Arabia". Funded by the National Plan for Science and Technology Program (NPSTP) at King Saud University [One Million and Five Hundreds Forty One Thousand Saudi Riyals (SR 1,541,000)]. Ongoing from September, 2012-August, 2014).

II)- Activities:

1. General lecture in intelligence of animal and insect behaviour, held in Zoology Department on March, 2004. This lecture was a part of students' society activity in the Faculty of Sciences, El-Minia University, Egypt.
2. General lecture titled "The Scientific Miracle of Entomology" held in Zoology Department Faculty of Sciences King Saud University on November, 2006.
3. A scientific lecture titled "A dual effect for the black seed oil on *Anopheles gambiae*: enhances immunity and reduces the concomitant reproductive cost" held in Biological Sciences Department, Keele University, UK on 3rd of August, 2006.
4. External examiner for several PhD & MSc theses at King Saud University and Haa'el University (Saudi Arabia).
5. Active member in the program "**Attracting Nobel Laureates to King Saud University**" (see attached photo gallery): helped in inviting up to 10 Nobel Laureates to King Saud University. Have successfully joined research project with Prof. Gunter Blobel (Nobel Prize, 1999 in Medicine).

III)- Reviewing papers, projects and books

1. A reviewer for Saudi and International scientific Journals (e.g. Journal of Entomology, African Journal of Biotechnology, African Journal of Microbiology Research, Saudi Journal of Biological Sciences, Journal of King Saud University (Science Branch) and Pakistan Journal of Zoology).
 2. A reviewer for some research projects:
 - a. From National Plan for Science and Technology Program, Vice President Office of Graduate Studies and Research, King Saud University (npst4@ksu.edu.sa, Tel:
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00966014696203), titled as: **Ecological studies on flies of medical importance in Riyadh City, Saudi Arabia.**

- b. From Deanship of Scientific Research, King Abdulaziz University Requested by Department of Academic Council's Affairs, King Abdulaziz University, Jeddah (promotion@kau.edu.sa; Tel: 0096626952747/ 6952016/ 6952039; Fax: 0096626400421), titled as **"Estimation of Field Density of Mosquitoes Using Clark's Traps With Investigating the Efficacy of Some Pesticides on the Mosquito *Ae. Aegypti*, the Vector of Dengue Fever in Jeddah.**
 - c. From Aljouf University, Ministry of Higher Education Saudi Arabia (vpsr@ju.edu.sa; Mobile: 00966594922573) titled as: **Biological control of olive Pests, using entomopathogenic nematodes and Fungi at Al Jouf region.**
 - d. From Applied Education and Researches Sector, Faculty of Education, Kuwait (P.O.Box: 34053 Alodayliyah; Kuwait: 73251; Mob: 00965 99684825) titled as:
 - **Black mulberries (*Morus nigra*) as a natural dye for nervous tissues staining.**
 - **Observations on the morphology and adaptation of mudskippers (Amphibious fishes) in the kuwait bay.**
3. A reviewer for the book titled **"A summary on True Spiders With Special Lights on the Environment and Fauna of the Kingdom of Saudi Arabia"**. Requested by Department of Academic Council's Affairs, King Abdulaziz University, Jeddah (promotion@kau.edu.sa; Tel: 0096626952747/6952016/6952039; Fax: 0096626400421).

11)- List of Publications (arranged according to publication year)

1. El-Kersh, T. A; **Ahmed, A. M**; Al-Sheikh, Tripet, T.; Ibrahim, M. S and Metwally, A, M. (2016). Isolation and molecular characterization of *Bacillus thuringiensis* strains native to Saudi Arabia with naturally improved larvicidal toxicity against the mosquito vector *Anopheles gambiae* s.l. (submitted to Parasites and Vectors).
 2. **Ahmed, A. M**; Hussein, H.; El-Kersh, T. A; Al-Sheikh, Y. A; Ayaad, T. H; El-Sadawy, H; Al-Mekhlafi, F. A; Ibrahim, M. S; Al-Tamimi, J. and Nasr, F. A. (2016). Larvicidal Activities of Indigenous *Bacillus thuringiensis* Isolates and Nematode Symbiotic Bacterial Toxins against the Mosquito Vector, *Culex pipiens* (Diptera: Culicidae). Journal of Arthrode-Borne Diseases (accepted).
 3. Al-Ghamd, A.; Ansar, M. J.; Mohamed' A. A.; Khan' K.; Nuru, A.; **Ahmed, A. M**. and Ayaad, T. H (2016). Diagnosis and molecular detection of *Paenibacillus larvae*, the causative agent of American Foulbrood in honeybees in Saudi Arabia. Saudi Journal of Biological Science (accepted).
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4. El-Sadawy, H. A., Forst, S., Abouelhag, H. A., **Ahmed, A. M.**, Alajmi, R. A. and Ayaad, T. H. (2016). Molecular and Phenotypic Characterization of Two Bacteria, *Photorhabdus luminescens* subsp. *Akhurstii* HRM1 and HS1 Isolated from Two Entomopathogenic Nematodes, *Heterorhabditis indica* RM1 and *Heterorhabditis* sp. S1. *Pakistan Journal of Zoology*. 48(2): 51-58.
5. **Ahmed, A. M.**; Abdel Megeed, A. M. and Al-Qahtaney, H. M. (2014). A Novel Mosquitocidal Bacterium as a Biocontrol Agent in Saudi Arabia: II - A Promising Larvicide Against *Culex pipiens* Mosquito. *Pakistan Journal of Zoology*. 46(3): 773-782.
6. **Ahmed, A. M.**; Abdel Megeed, A. M. and Al-Qahtaney, H. M. (2014). A Novel Mosquitocidal Bacterium as a Biocontrol Agent in Saudi Arabia: I - A Promising Larvicide Against *Aedes caspius* Mosquito. *Pakistan Journal of Zoology*. 46(1): 191-201.
7. Mashaly, A. M. A., **Ahmed, A. M.**, Nunes, T. M. and Morgan, E. D. (2014). Secretions of Dufour's gland in some ants (Hymenoptera: Formicidae). *African Entomology* 22(4): 779-782.
8. **Ahmed, A. M.** (2013). *Bacillus thuringiensis* Induces Cellular Stress in the Mosquito Vector, *Culex pipiens*, Prior to Death. *Pakistan Journal of Zoology*. 45(1): 129-139.
9. **Ahmed, A. M.** (2013). Immune and cellular impacts in the autogenous *Aedes caspius* larvae after experimentally-induced stress: effects of *Bacillus thuringiensis* infection. *Journal of Basic and Applied Zoology*. 66: 1-11.
10. **Ahmed, A. M.** (2013). Mosquito autogeny in *Aedes caspius* (Diptera: Culicidae): alterations of larval nourishments reservation upon bacterial infection. *Insect Science*. 20: 472-484.
11. **Ahmed, A. M.** (2012). Lipid peroxidation and oxidative protein products as biomarkers of oxidative stress in the autogenous mosquito, *Aedes caspius*, upon infection with the mosquitocidal bacteria, *Bacillus thuringiensis kurstaki*. *Pakistan Journal of Zoology*. 44(2): 525-536.
12. **Ahmed, A. M.** (2011). Immune and antioxidant defenses in an autogenous *Aedes caspius* mosquito upon infection with *Bacillus thuringiensis kurstaki*. *African Journal of Microbiology Research*. 5(22): 3848-3857.
13. **Ahmed, A. M.**; Shaalan, E. A.; Aboul-Soud, M. A. M. Tripet, F. and Al-Khedhairi, A. A. (2011). Mosquito vectors survey in AL-Ahsaa district, eastern region, Kingdom of Saudi Arabia. *Journal of Insect Science*. 11(176): 1-11.
14. Al-Roba1, A. A.; Aboul-Soud, M. A. M.; **Ahmed, A. M.** and Al-Khedhairi, A. A. (2011). The gene expression of caspases is up-regulated during the signaling response of *Aedes caspius* against larvicidal bacteria. *African Journal of Biotechnology*. 10(2): 225-233.
15. Sediqi, M. I.; Mashaly, A. M. A.; **Ahmed, A. M.** and Al-Khalifa, M. S. (2010). Ultrastructure of Antennal Sensilla of the Samsum ant, *Pachycondylla sennaarensis* (Hymenoptera: Formicidae: Ponerinae) from Saudi Arabia. *African journal of biotechnology*. 9(41): 6956-6962.
16. Mashaly, A. M. A.; **Ahmed, A. M.**; Al-Abdullah, M. A.; Al-Khalifa, M. S.; Siddiqui, M I. (2010). The trail pheromone of the venomous samsum ant, *Pachycondyla sennaarensis*. *Journal of Insect Science*. 11: 1-12.

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17. Mashaly, A. M. A.; **Ahmed, A. M.**; Al-Khalifa, M. S.; Nunes, T. M. and Morgan, E. D. (2010). Identification of the alkaloidal venoms of some *Monomorium* ants of Saudi Arabia. *Biochemical Systematics and Ecology*. **38**: 875–879.
 18. Al-Khalifa, M. S.; **Ahmed, A. M.**; Mashaly, A. M. A.; Al-Mekhalfi, F. A.; Khalil, G.; Siddiqui, M. I. and Ali, M. F. (2010). Studies on the Distribution of *Pachycondyla sennaarensis* (Hymenoptera: Formicidae: Ponerinae) in Saudi Arabia. 1. Ar-Riyadh Region. *Pakistan Journal of Zoology*. **42(6)**: 707-713.
 19. **Ahmed, A. M.**; Al-Olayan, E. M.; Aboul-Soud, M. A. M. and Al- Khedhairi, A. A. (2010). The immune enhancer, thymoquinone, and the hope of utilizing the immune system of *Aedes caspeus* against disease agents. *African Journal of Biotechnology*. **9(21)**: 3183-3195.
 20. **Ahmed, A. M.**; Al-Olayan, E. M. and Amoudy, M. A. (2008). Enhancing the humoral and melanization responses of *Aedes aegypti* mosquito: a step towards the utilization of immune system against dengue fever. *Journal of Entomology*. **5(5)**: 305-321.
 21. **Ahmed, A. M.** and El-Katatny, M. H. (2007). Entomopathogenic fungi as biopesticides against the Egyptian cotton leaf worm, *Spodoptera littoralis*: between biocontrol-promise and immune-limitation. *Journal of Egyptian Society of Toxicology*. **37**: 39-51.
 22. **Ahmed, A. M.** and Hurd, H. (2006). Immune stimulation and malaria infection impose reproductive costs in *Anopheles gambiae* via follicular apoptosis. *Microbes and Infection*. **8**: 308–315.
 23. **Ahmed, A. M.** (2007). A Dual Effect for the Black Seed Oil on the Malaria Vector *Anopheles gambiae*: Enhances Immunity and Reduces the Concomitant Reproductive Cost. *Journal of Entomology*. **4(1)**: 1-19.
 24. **Ahmed, A. M.** (2005). The humoral anti-bacterial response of *Anopheles gambiae* and the immunity-reproduction trade-off conflict: between the hope and limitation of the malaria immuno-control strategy. *Proceedings of The 3rd International Conference of Applied Entomology*, Cairo University, 23rd – 24th of March (2005), 351-374.
 25. **Ahmed, A. M.** (2005). Melanization of Sephadex beads by the malaria vector, *Anopheles gambiae*: effect of blood meal, and mechanisms of reproductive costs. *The Egyptian German Society of Zoology*. **47(E)**: 69-85.
 26. **Ahmed, A. M.** (2004). Activation of the immune system of *Anopheles gambiae* against malaria parasite: a comparison between bacterial infection and a botanical extract. *The 3rd International Conference on Biological Science. University of Tanta, Tanta, EGYPT, 28 – 29 April. Proc. I.C.B.S., 3(1)*: 122 - 141
 27. **Ahmed, A. M.**, Baggott, S.; Maingon, R. and Hurd, H. (2002). The costs of mounting an immune response are reflected in the reproductive fitness of the mosquito, *Anopheles gambiae*. *OIKOS*. **97**: 371–377.
 28. Hopwood, J. A.; **Ahmed, A. M.**; Polwart, A.; Williams, G. T. and Hurd, H. (2001). Malaria-induced apoptosis in mosquito ovaries: a mechanism to control vector egg production. *The Journal of Experimental Biology*. **204**: 2773-2780.
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With my complements,

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