

Tharwat Abdullah Selim Mohammed

Lecturer of Medical Entomology and Diseases Vectors

Zoology Department, Faculty of Science, Al-Azhar University, Cairo, Egypt.



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Born: August 28th, 1977

Married and has three kids

EDUCATION

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| Ph.D. | 2018 | Medical Entomology and Diseases Vectors , Zoology Department, Faculty of Science, Al-Azhar University, Cairo, Egypt.
Thesis title : “ Evaluation of experimental transmission of Hepatitis C Virus (HCV) by irradiated and non-irradiated <i>Culex pipiens</i> (Diptera: Culicidae) ”.
Supervisors : Prof. Dr. Mostafa I. Hassan, Prof. of Medical Entomology and Director of Diseases Vectors Unit, Faculty of Science (Boys) Al-Azhar University & Prof. Dr. Ali F. Mohammed Head of Reproduction and Development sector, VACSERA & Dr. Kotb M. Hammad Associated Prof. of Medical Entomology, Faculty of Science (Boys) Al-Azhar University & Dr. Ahlam G. Abd El.Wahed Associated Prof. of Entomology, National Center for Radiation Research and Technology, Atomic Energy Authority. |
| M. Sc. | 2015 | Medical Entomology and Diseases Vectors , Zoology Department, Faculty of Science, Al-Azhar University, Cairo, Egypt .
Thesis title : “ Influence of gamma radiation on some biochemical parameters and inherited sterility in <i>Culex pipiens</i> L. (Diptera: Culicidae) ”.
Supervisors : Prof. Dr. Mostafa I. Hassan, Prof. of Medical Entomology and Director of Diseases Vectors Unit, Faculty of Science (Boys) Al-Azhar University & Prof. Dr. Mounier S. Amer Prof. of Entomology, Faculty of Science (Boys) Al-Azhar University & Dr. Kotb M. Hammad Associated Prof. of Medical Entomology, Faculty of Science (Boys) Al-Azhar University & Dr. Ahlam G. Abd El.Wahed Associated Prof. of Entomology, National Center for Radiation Research and Technology, Atomic Energy Authority |
| Post Graduate Preliminary Studies | 2012 | Entomology , Zoology Department, Faculty of Science, Al-Azhar University, Cairo, Egypt.
Insect physiology – Insect Taxonomy – Biostatistics and Experimental Designs – Ecology and Fauna- Insecticides – Research and Essay Designs – How to write and publish a scientific paper. |
| B.Sc | 2002 | Entomology , Zoology Department, Faculty of Science, Al-Azhar University, Cairo, Egypt.
Very good grade
Graduation Project: “ Blood Sucking Insects ” |

RESEARCH AND PROFESSIONAL AFFILIATIONS

2018-Present	Lecturer of Medical Entomology and Diseases Vectors, Zoology Department, Faculty of Science, Al-Azhar University, Cairo, Egypt.
2015- 2018	Assistant Lecturer, Medical Entomology, Zoology Department, Faculty of Science, Al-Azhar University, Cairo, Egypt.
2012- 2015	Demonstrator, Biological Sciences, Zoology Department, Faculty of Science, Al-Azhar University, Cairo, Egypt.
2008 - 2012	Partner in the dairy products factory in Sharkia Governorate
2006 - 2008	Director of the Dairy Products Factory in Sharkia Governorate
2004- 2006	Medical Presentative of some pharmaceutical companies
2003- 2004	Work in the tourism sector in Hurghada
2002- 2003	Pharmacist Assistant in Magdy Higazy Pharmacy.

TEACHING

I have teaching with over 10 years of experience at Al-Azhar University taught students from various social and cultural backgrounds. Currently, I am teaching Medical Entomology and Diseases Vectors, Insect morphology, Insect Anatomy and Insect Control(e.g. genetic control) to graduate and undergraduate students in Faculty of Science at Al-Azhar University. In addition, I am teaching the principles of Entomolgy for undergraduate students of faculty of Education.

UNDER GRADUATE AND GRADUATE TRAINING

2018	Exepermental Infection Techniques	Zoology Department, Faculty of Science, University of Al-Azhar, Cairo, Egypt. Actively participated in training of many undergraduate and graduate students .
2012	Practical Part of Undergraduate Courses of Cytology, Histology, Physiology, Anatomy (Invertebrates and Vertebrates), Embryology, Molecular Biology, Parasitology and Medical Entomolgy	Zoology Department, Faculty of Science, Al-Azhar University, Cairo, Egypt.

Societies MEMBERSHIP

- Board Member in Association of Graduates and Lovers of Al-Azhar Al-Sharif
- Member of Egyptian Society for Radiological Sciences and its Applications
- Member of ARID SCIENTIFIC PLATFORM.
- Member in Egyptian Society of parasitology.

LANGUAGES

Arabic Native language.

English Passed **TOEFL** and American English Language Resource Center (**ELRC**). In addition, all scientific subjects during my undergraduate and graduate academic years were studied in English.

PUBLICATIONS

1. Latent effect of gamma irradiation on reproductive potential and ultrastructure of males' testes of *Culex pipiens* (Diptera; Culicidae)
Mostafa I. Hassan a, Mounier S. Amer a, Kotb M. Hammad a, A. Gabarty b, **Tharwat A. Selim**
2. Experimental Evaluation of The Role of Symbiotic and Aposymbiotic, *Culex Pipiens* Mosquitoes In The Transmission of Hepatitis C Virus (HCV)
Mostafa I. Hassan¹, Aly F. Mohammed², Kotb M. Hammad¹, A. Gabarty³, and **Tharwat A. Selim**
3. Evaluation of the Role of Irradiated, *Culex pipiens*, Mosquito (Diptera; Culicidae) in the Transmission of Hepatitis C Virus (HCV)
Mostafa I. Hassan¹, Aly, F. Mohamed², Kotb M. Hammad¹, Gabarty, A.³ and **Tharwat A. Selim¹**
4. Distribution of Mosquitoes Along Wadi El-Rayan Protected Area
Selim T.A.* a, Hammad K. M¹, Boraie M. S
5. Distribution of Medical Flies along Wadi El-Rayan Protected Area
Kotb M. Hammad ¹, **Tharwat A. Selim** ¹ Mhmoud S. Boraey ^{2, *}
6. Effects of blood sources and artificial blood feeding membranes on the biological parameters and hepatitis C virus infectivity of *Culex pipiens* (Diptera: Culicidae)
F.I. Abdallah^{1*}, M.H. Rady¹, B.A. Merdan¹, F.A. Shaarawi¹, A.F. Mohammed², K.A. Alshammery³, A.A. Al-Khalaf⁴, **T.A. Selim⁵** & A.A. Dahab⁶
7. Lethality and vitality efficiency of different extracts of Salix safsaf leaves against the house fly, *Musca domestica* L. (Diptera: Muscidae)
A.I. Hasaballah¹ §, **T.A. Selim^{1*}**, M.A. Tanani¹ & E.E. Nasr²
8. Eco-friendly Synthesis of Zinc Oxide Nanoparticles by Marine Sponge, *Spongia officinalis*: Antimicrobial and Insecticidal Activities Against the Mosquito Vectors, *Culex pipiens* and *Anopheles pharoensis*
Ahmed I. Hasaballah¹ · Hussein A. El-Naggar¹ · Salah Abdelbary · Mansour A. E. Bashar;
Tharwat A. Selim¹
9. Aquatic insects as a biomonitoring and bioindicators for trace metals in the contaminated Al Mahmoudia Canal, River Nile, Egypt
Mohammed A. Mahmoud¹, Hussein A. El-Naggar^{1*}, Ahmed I. Hasaballah¹, Asmaa A. Haggag² and **Tharwat A. Selim^{1*}**
10. Effect of gamma irradiation on protease and nuclease enzymes activity and egg oviposition of *Culex pipiens* mosquito engorged with Hepatitis C Virus (HCV)
Gabarty, A., **Tharwat A. Selim**, and Ahmed I. Hassaballah.

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11. Mosquitocidal Activity of the Methanolic Extract of *Annickia chlorantha* and Its Isolated Compounds against *Culex pipiens*, and Their Impact on the Non-Target Organism Zebrafish, *Danio rerio*.

Tharwat A. Selim 1,† , Ibrahim E. Abd-El Rahman 2, Hesham A. Mahran 3,4, Hamza A. M. Adam 5, Vincent Imieje 6, Ahmed A. Zaki 7 , Mansour A. E. Bashir 1 , Hossam Hwihy 1, Abdelaaty Hamed 8 , Ahmed A. Elhenawy 8 , Eman S. Abou-Amra 9 , Samia E. El-Didamony 1 and Ahmed I. Hasaballah 1,*;†

12. Unveiling Antimicrobial and Insecticidal Activities of Biosynthesized Selenium Nanoparticles Using Prickly Pear Peel Waste

Amr H. Hashem 1,*; **Tharwat A. Selim 2,***, Mohammed H. Alruhaili 3, Samy Selim 4, Dalal Hussien M. Alkhalifah 5, Soad K. Al Jaouni 6 and Salem S. Salem 1,*

Future outlook:

Through my previous research, it became clear that mosquitoes do not transmit the hepatitis C and B virus, because the mid-gut bacteria secrete enzymes such as proteases and nucleases that break down the virus and turn it into food that the mosquito ingests..... So I look forward to researching this in depth the point and knowledge of what enzymes are secreted by the mid-gut bacteria of mosquitoes and their mechanism of action to break down viruses and their role in not transmitting the pathogen.

REFERENCES

Prof. Dr. Mostafa I. Hassan
Ph.D.

Ph.D. Supervisor Professor of Medical Entomology and Director of Diseases Vectors Unit, Faculty of Science (Boys) Al-Azhar University
Phone: +2 01223840969
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Dr. Ahlam G. Abd El.Wahed
Ph.D.

Ph.D. Supervisor Professor of Entomology, National Center for Radiation Research and Technology, Atomic Energy Authority
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