

CURRICULUM VITAE



Prof. Reda Fadeel Ali Bakr

Professor of Insect toxicology and pest control
Ain Shams University, Egypt.

Name: Reda Fadeel Ali Bakr

Academic Rank: Professor of Entomology **Nationality:** Egyptian

Languages: Arabic and English **Date of Birth:** 25/8/1955

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II. Academic Qualifications

- 1- B. Sc. In Entomology (very good) May 1978 Ain Shams University
- 2-M. Sc. in Entomology (insect toxicology).26/12/1982.Ain Shams University-Faculty of Science.
- 3-Ph. D. in Entomology (insect toxicology). 28/7/1986.Ain Shams University-Faculty of Science

III. Employment History:

- 1- Demonstrator: Entomology Department-Faculty of Science-Ain Shams Univ. 1/10/ 1978.
- 2- Assistant lecturer: Entomology Department- Faculty of Science- Ain Shams University- 26/1/ 1983.

4. 3- Assistant Professor (lecturer): Entomology Department-Faculty of Science-Ain Shams University. 25/8/ 1986.
5. 4- Associate Professor: Entomology Department-Faculty of Science- Ain Shams University.30/12/ 1991.
6. 5- Professor of Entomology (Toxicology & Pest control). Entomology Department- Faculty of Science-Ain Shams University.28/7/ 1997.

IV. Research Interests:

- 1- The effectiveness of modern insecticides on insects and other organisms and their impact on environmental pollution.
- 2- Survey for pests of figs (North Coast) and its control.
- 3- The impact of agricultural and industrial waste and their use in insect control.
- 4- Extract safe alternatives pesticides in pest control.
- 5- Survey and classification of insect ants at the level of the governorates of the Arab Republic of Egypt.
- 6- Survey and identification of sand fly and their control of some Arab countries.
- 7- The use of insect as biological indicator of environmental pollution.
- 8 - The use of insects in the field of forensic entomology to prove the crime of murder which kill by Insecticides.
- 9- Calibration and evaluation of ground sprayers in the control of insect pests.
- 10- Survey and identification of micro-organisms that cause disease on ants and the effect of Pesticides on them.
- 11- To maximize the field of biological control and the discovery of some insect predators and studied their effectiveness.
- 12- The use of molecular biology in identifying the mode of action of pesticides and their impact on Living cell.
- 13- The use of cell culture in the living tissue to detect the impact of pesticides.
- 14 - The use of the electron microscope of both types to identify the impact of insecticidal agent on the insect.
- 15- The use of radiation in the control of insects.
- 16- The use of modern methods in the control of insect museums, mummies.
- 17-Use the new mathematical models as a method for pest control.
- 18- Has a patented of insecticide from some industrial waste

Training programmes:

- 1- Training programme on Electron Microscope. (six-month 1988).
- 2- Specialized programme for preparing experts of the evaluation of the environment residue scope.
- 3- Specialized programme for preparing experts of the evaluation of the environment residue for industry projects.
- 4- Legal aspects in universities. Date 4-5/12/2004.
- 5- Management of time and work stresses. Date 6-8/12/2004.
- 6- Decision making and problem solving. Date 11-13/12/2004.
- 7- Management of human resource. Date 16-19/7/2005.
- 8- Skills of management. Date 25-28/7/2005.
- 9- External reviewer for high education organizations (National Authority for Quality Assurance and Accreditation of education). Date 9-13/11/2008.
- 10- Strategy planning for high education organizations (National Authority for Quality Assurance and Accreditation of education). Date 30/11- 1/12/2008.
- 11- Information System for reviewer for high education organizations (National Authority for Quality Assurance and Accreditation of education). Date 13/1/2009.
- 12- Simulation system for reviewer for high education organizations (National Authority for Quality Assurance and Accreditation of education). Date 15-19/2/2009.
- 13- Evaluation of outcomes of education to higher education institutions 8-9/3 /2009.
- 14- Effective education for institutions of higher education 10-12/3 /2009.

- 15- Application of the National Academy of reference standards 21-23/4 /2009.
- 16- Intensive Course of the external auditors - Institutions of Higher Education 14- 16/12/2010.
- 17- E-learning skills at King Khalid University 15/10/2011.
- 18- Elluminate live, King Khalid University 17/10/2011.
- 19- Quality assurance and institutional evaluation at King Khalid University (2012).
- 20- Strategic planning for King Khalid University colleges (17-18/2/2013).
- 21- University Teaching Strategies at King Khalid University (3-4 / 3/2013).
- 22- Development of research capabilities at King Khalid University (3/5/2013).
- 23- Online Test, Deanship of E-Learning & Distance education, University of Bisha 12-13/3/2017.
- 24- Publishing ISI journals, Bisha University in cooperation with the Center for University Education Development at King Abdulaziz University in Jeddah 13-14/6/2017.
- 25- Developing online courses according to quality Matters rubric QM. Deanship of E-Learning & Distance education, University of Bisha 17-19/12/2017.
- 26- Saudi open education resources network (SHMS)-1st. level, Deanship of E-Learning & Distance education, University of Bisha.12-13/2/2018.

V. Research Publications

1. PhD thesis information.

Morphological and physiological aberration induced by insect growth regulators against the common house fly *Musca domestica*.

2. MSc thesis information.

Effect of insect growth regulators against *Culex pepiens*

3. Books or book chapters information

Reference Books:

- 1- Practical Insect Biology in English and Arabic Languages.
- 2- Practical guide for insecticides.
- 3- Fundamental of insecticide toxicology and Resistance.
- 4- The faces of miracles in the verses of Bees (language - scientific - medical)
- 5- Lessons learned from the verses of bees

Scientific awards:

- 1 - award for best research (University of Ain Shams).
- 2 - award for best presentation of teaching methods (Ain Shams University).

Membership of local or international scientific Societies related to the field of specialization:

- 1-Member of the Egyptian Society of Entomology (Member)
- 2 - Member of the Egyptian Society of Parasitology (member)
- 3- Member of the Egyptian Society of Genetic Sciences (Member)
- 4 - Member of the Egyptian Canadian Society (memb)
- 5 - Member of the Egyptian German Society of Zoology (member)
- 6 - Member of the Association of Scientific Miracles of the Book and Sunnah (member)
- 7 - Member of the Egyptian Society for Environmental Development (Editor)
- 8- President of the Egyptian Society for Biological Sciences

Research projects:

- 1-Toxicological and biochemical studies on the effect of some agricultural and industrial waste products as insecticidal agent on the mosquito (2008/2009).

- 2-Examination of some plant extracts and seaweed from Asir region, as biological pesticides on the mosquito larvae of *Culex pipiens* (2011/2012 King Khalid University - Center for Talent and Creativity).
- 3- Studies on Biodiversity and Nutritional Relationships of Parasitic Insects of the Avidin Family (Hymenoptera: Braconidae) - (No. of Project kku_s281_33) King Khalid University - Deanship of Scientific Research 2012/2013.
- 4- Toxicological Studies on the Effect of some Agricultural and Wild Plants Extract as Insecticidal Agent on the Common House Mosquito, *Culex pipiens* in Bisha Region, Saudi Arabia, supported by the Research Sponsorship Program, University of Bisha, Kingdom of Saudi Arabia, grand Number (UB-02-1438) (2017/2018).

Organizing conferences

- 1 – Chairman of the First International conference of Biological Sciences about future trends for biological sciences and their applications (27 -29 September 2010 Cairo – Egypt)
- 2- Chairman of the Second International conference of Biological Sciences on "Future Trends of Biological Sciences and their Application" which will be held in the Dar Eldiafa - Ain Shams University, during the period from 1 - 3 / 7 / 2013.

Community Service:

- 1 - Develop a method for the selection of materials to assess the resistance of the woolen textile dementia (Egyptian Organization for Standardization) - Cairo.
- 2- Seminar on harmful and beneficial insects (the preparation of leaders) Ain Shams University.
- 3- Seminar on the houses of the living organisms (comparative study) Department of Entomology.
- 4 - A Lecture on the Scientific Miracles in the Quran for the bees, Faculty of Science
- 5- A lecture on the Scientific Miracles in the Quran (Radio Station of Quran)
- 6 - Recordings for insects on Egyptian television, educational channels of higher education.
- 7 - Many articles on newspaper science and belief.
- 8 - an activist of the Ministry of Youth, where the contribution of scientific awareness in the villages of Upper Egypt and cultural deficiencies.
- 9 - Contributed to the convoy, Ain Shams University to raise awareness of medical and scientific 2008
- 10-Preparation of articles on the Web in the field of specialization.
- 11 - Training courses for students of entomology from other universities for:
 - 1 - extraction plant pesticides.
 - 2 - Methods to use pesticides.
 - 3 - Evaluation of some pesticides and plant extracts

4-Published papers.

- 1- **Bakr, R. F. A.**; M.S.Hamed and N.A.Abdel-Razik (1984): Ovicidal activity of certain insect growth regulators (IGRs) against *Culex pipiens* (Diptera: Culicidae). *Ain Shams Sci. Bull.* No.25B pp 349-362.
- 2- **Bakr, R. F. A.**; N.A. Abdel-Razik and M.S.Hamed (1984) : Larvicidal effect of certain insect growth regulators (IGRs) against *Culex pipiens* (Diptera: Culicidae). *Ain Shams Sci. Bull.* No.25B pp 363-379.
- 3- Abo-Gabal, N.M. and **Bakr, R. F. A.** (1987): A comparative study of dehydrogenase in *Anopheles pharoensis* and *Culex pipiens* during insect development. *Egypt. J. of Genetics & Cytolgy, Vol.17: 217-228.*
- 4- **Bakr, R. F. A.** and N. M. Abo-Gabal (1987): Changes in dehydrogenase activities of the house fly, *Musca domestica* after Dimilin treatments during development. *Egypt. J. of Genetics & Cytolgy, Vol.17: 229-238.*

- 5- **Bakr, R. F. A.** and M. A. Hussein (1988): Morphogenic and histopathological studies on the effect of the chitin synthesis inhibitor, Chlorfluazuron against *Musca domestica* (L.) by using methacrylate embedding technique. *J. of Egypt. Soc. of Parasitology*, Vol. 18 No. 2, pp 635-645.
- 6- **Bakr, R. F. A.**; N. A. Abdel-Razik; M.S.Hamed and A. M. Guneidy (1989): Physiological effect of some insect growth regulators (IGRs) on the respirometric measurement, total protein and free amino acids of the house fly, *Musca domestica* (L.). *Ain Shams Sci. Bull. No. 28 pp.169-183.*
- 7- **Bakr, R. F. A.**; N. M. Abo-Gabal and M. A. Hussein (1989): Insectgrowth regulators: I. Biological activity of some IGRs against the susceptible and resistant strains of *Culex pipiens* larvae.II. Pattern of cross resistance of IGRs in carbaryl-resistant strain. *J. of Egypt. Soc. of Parasitology* , Vol. 19 No.2,pp589-597.
- 8- El-Bermawy, S. M.; A. H. M. Hassanein; **Bakr, R. F. A.** and N.A. Abdel-Razik (1989): Activity of some insect growth regulators (IGRs) on *Tribolium confusum* Jacquelin Duval. *J. of the faculty of education*, No. 14, pp. 527- 558.
- 9- Hussein, M. A. and **Bakr, R. F. A.** (1990): Methacrylate embedding as a new technique for histopathological studies on the effect of *Bacillus thuringiensis* against *Culex pipiens* . *J. of Egypt. Soc. of Parasitology*, Vol. 20 No. 1, pp.197-201.
- 10- **Bakr, R. F. A.** (1990): Latent effects of gamma radiation on, *Musca domestica* (L.). *Ain Shams Sci. Bull. No.28 pp 213-224.*
- 11- Isa, A. M. A. ; M. S. Gabry ; **Bakr, R. F. A.**; and M. A. Hussein (1990): Ovicidal activity of some juvenile hormone mimics (JHm's) against *Culex pipiens* (Diptera: Culicidae) . *Ain Shams Sci. Bull No.28 pp 225-240.*
- 12- Hafez, J. A. ; M. A. Hussein and **Bakr, R. F. A.** (1990): Acid phosphatase activity during the life cycle of the house mosquito, *Culex pipiens* L. (Diptera: Culicidae) . *J. of the faculty of education*, No. 15, pp 293-302.
- 13- Isa , A. M. A. ; **Bakr, R. F. A.**; and M. S. Gabry (1992): Studies on the larvicidal effect and morphogenic aberrations induced by some insect growth inhibitors against larvae of *Culex pipiens* L. (Diptera: Culicidae). *J. of the faculty of education*, No. 17, pp 329-343.
- 14- Guneidy, A. M.; L. S. El-Sherif ; **Bakr, R. F. A.**; and E. M. Barakat (1993) : The cross-resistance spectra of Baygon-resistance strain of mosquito larvae, *Culex pipiens* to various insecticides. *Ain Shams Sci. Bull. No.31 pp 207-215.*
- 15- Abo-Gabal, N.M.; A. M. El-Shafei; **Bakr, R. F. A.**; A. M. Guneidy and Z.M. Mostafa (1994): Effect of certain insect growth regulators on the house fly *Musca domestica* mortality during different development stages. *19th international congress for statistics, computer Science, social and demographic research pp., 125-144.*
- 16- Abedl-Rahman, H. A.; **Bakr, R. F. A.**; M. A. Hussein and T. M. Abdel- Khalik (1995): Synergistic effects of two surfactants on the susceptibility of, *Culex pipiens* larvae to some insecticides. *Ain Shams Sci. Bull. No.33 pp 262-279.*
- 17- **Bakr, R. F. A.** (1995): Biological activity of insect growth regulators combined with synergistic agents (surfactants) against larvae of susceptible and carbaryl-resistant strains of *Culex pipiens*. *Ain Shams Sci. Bull. No.33 pp 355-374.*
- 18- **Bakr, R. F. A.** (1995): Survey and ecological study of sandflies in relation to dermal Leishmaniasis, in Hail, Northern province, Saudi Arabia. *Ain Shams Sci. Bull. No.33 pp 375-390.*
- 19- Saleh, N. A.; **Bakr, R. F. A.**; A. H. M. Hassanein and S. M. El-Bermawy (1995): Biochemical alterations induced by two insect growth regulators in the house fly, *Musca domestica* L. (Muscidae–Diptera). *Proceeding of 3rd congress of toxicology in developing countries, Cairo Egypt, pp 1-14.*
- 20- **Bakr, R. F. A.**; M. A. Hussein; A. M. Wakid and I. A. Soliman (1996): Effect of gamma radiation on male sterility, female fecundity, adult emergence and lethality in immature stages of mosquito larvae, *Culex pipiens* L. *Ain Shams Sci. Bull. No.34pp 265-280.*
- 21- Hassanein, A. M.; **Bakr, R. F. A.**; N. A. Saleh and S. M. El-bermawy (1996): Biochemical aberration induced by three insect growth regulators in the house fly, *Musca domestica* L. (Muscidae - Diptera). *Ain Shams Sci. Bull. No. 34 pp.*

- 22- **Bakr, R. F. A.** (1996): Field trials on two commercial formulations of sharpstow super against sand fly species in Hail, Northern province, Saudi Arabia. *J. Egypt. Ger. Soc. Zool., Vol. 21 (E), pp., 53-67.*
- 23- Hafez, J. A. and **Bakr, R. F. A.** (1996): Synergism between Fenpyroximate NNI-850 Sc.(IGR) and two biological agents *Bacillus thuringiensis* and *Bacillus sphaericus* against larvae of *Culex pipiens*. *J. Egypt. Ger. Soc. Zool., Vol. 21 (E), pp., 187-209.*
- 24- **Bakr, R. F. A.**; A.S.Kh. Soliman and Th. F. Kotb (1996): Electrophoretic patterns of certain isozymes of *Culex pipiens* as sensitive markers for water pollution. *J. Egypt. Ger. Soc. Zool., Vol. 21 (E), pp, 225-241.*
- 25- **Bakr, R. F. A.**; and H. M. Abdel-Fattah (1997): Effect of gamma irradiation on the susceptibility of the black cut worm *Agrotis ipsilon* (Hufn.) to the IGR (Fenpyroximate NNI-850 Sc.) treatment. *J. Egypt. Ger. Soc. Zool., Vol. 22 (E), pp, 1-25.*
- 26- **Bakr, R. F. A.**; A. M. Isa; M. S. Gabry; and A. M. Guneidy (1997): Histopathological changes in *Culex pipiens* L. (Diptera: Culicidae) induced by juvenile hormone mimics. *J. Egypt. Ger. Soc. Zool., Vol. 22 (E), pp, 27-45 .*
- 27- **Bakr, R. F. A.**; N. A. M. Guneidy; S. M. El-bermawy; N. A. Helmy; and I. A. Soliman (2000): Toxicological effect and ultrastructural changes in *Musca domestica* larvae (Muscidae-Diptera) induced by the insect growth regulators (Admiral) combined with the new pyrethroid insecticide (Gokilaht). *Union Arab Biol., Cairo Vol. 13 (A) pp 177-191.*
- 28- Guneidy, N. A. M.; S. M. El-bermawy ; **Bakr, R. F. A.** ; N.A. Helmy ; and I. A. Soliman (2002): Protein, ATPase, Cholinesterase and Nucleic acids content as a reflex to *Musca domestica* larvae treatment with Admiral and Gokilaht apart or together. *2nd international conference, plant protection Research Institute, Cairo, Egypt, 21-24 December, pp.*
- 29- **Bakr, R. F. A.**; S. M. El-bermawy; S. A. Emara; I. A. Soliman and H. H. Abdel-Wahab (2002): Biochemical studies on *Spodoptera littoralis* developmental stages after larval treatment with different botanical extracts. *2nd international conference, plant protection Research Institute, Cairo, Egypt, Vol (1) 886-897.*
- 30- El-Bermawy S. M.; S. A. Emara; **Bakr, R. F. A.**; I. A. Soliman and H. H. Abdel-Wahab (2002): Haemolymph protein electrophoretic pattern of *Spodoptera littoralis* 6th instar larvae treatment of 2nd larval instar with four botanical extracts. *2nd international conference, plant protection Research Institute, Cairo, Egypt, Vol. (1) 899- 903.*
- 31- Emara, S. A.; **Bakr, R. F. A.**; S. M. El-bermawy ; I. A. Soliman and H.H.Abdel-Wahab (2002): Biological effects of four botanical extracts on the different developmental stages of cotton leaf worm,*Spodoptera littoralis* (Boisd),*2nd international conference, plant protection Research Institute ,Cairo,Egypt, Vol. (1): 904 - 912*
- 32- **Bakr, R. F. A.**; Zahia K. Mostafa; Nagi S. Badawy and Zeinab F. El Sokkary (2004): The effect of different insect growth regulators on the main Metabolites in the hemolymph of the desert locust, *SCHISTOCERCA GREGARIA* (FORSKAL). *Egypt. Acad. Soc. Environ. Develop., Vol. 5 , No.(1) :51 - 68 (2004).*
- 33- **Bakr, R. F. A.**; Noha, A. M. Genidy; Mohamed, A. Hindy and Rehab, A. Dar (2004): Biological and qualitative studies of some insecticidal agents on the cotton leaf worm larvae under lab.Conditions. *Egypt. Acad. Soc. Environ. Develop., Vol. 5 , No.(2): 1-36 (2004).*
- 34- Mohamed, A. Hindy; **Bakr, R. F. A.**; Noha, A. M. Genidy and Rehab, A. Dar (2004): Qualitative distribution of certain insecticides deposits and artificial targets on the cotton leaf worm larvae by using certain ground spraying equipment on cotton plants. *Egypt. Acad. Soc. Environ. Develop., Vol. 5 , No.(2) : 91 -112 .*
- 35 - Noha, A. M. Genidy; **Bakr, R. F. A.**; Mohamed, A. Hindy and Rehab, A. Dar (2005) : Bioresidual activity of certain insecticides against *Spodoptera littoralis* (Boisd) by using low volume ground spraying equipment on cotton plants.*Egypt. Acad. Soc. Environ. Develop.,Vol.6,No.(1):1-26*
- 36- **Bakr, R. F. A.**; Noha, A. M. Guneidy¹; Saadya, M. ElBermawy²; Saed, A. Emara ³and Heba, W.Hassan (2005): Toxicological and biological activities of three IGRs against

- fourth larval instars of the cotton leafworm, *SPODOPTERA LITTORALIS* (BOISD.). *Egypt. Acad. Soc. Environ Develop.*, Vol. 6, No. (4): 103 – 132.
- 37- **Bakr, R. F. A.**; Hafez, G. A.; Ibrahim, I. A. and Abdou, M. A. (2005): Toxicological effects of pyriproxyfen and chlorfluazuron (IGRs) on *Monomorium pharaonis* (Hymenoptera: Formicidae) in laboratory and field. *African J. Biol. Sci. Vol 1 no (1): 49 - 58.*
- 38- **Bakr, R. F. A.**; Saed A. Emara; Noha, A. M. Geneidy; Saadya, M. El Bermawy and Heba W. Hassan (2006): Changes in Aldehyde oxidase (AO) pattern through the different developmental stages of *Spodoptera littoralis* (Boisd.) after treatment the 4th instar larvae with IGRs and plant extracts. *Egypt. Acad. Soc. Environ. Develop.*, Vol. 7, No.(1) : 29 – 44.
- 39- **Bakr, R. F. A.**; Saadya, M. El Bermawy; Noha, A. M. Geneidy; Saed A. Emara and Heba W. Hassan (2006): Occurrence of the biological effects of some plant extracts on the cotton leaf worm *Spodoptera littoralis* (Boisd.) and their physiological. *Egypt. Acad Soc. Environ. Develop.*, Vol.7, No.(1) : 109 – 147.
- 40- **Bakr, R. F. A.**; Fadl H. H.; Badawy R. M.; and Sharaf M. R. (2006): Four new records of ants (Hymenoptera: Formicidae) from Egypt. *Egypt Acad. Soc. Environ. Develop.*, Vol. 7, No.(2) : 29 - 39 .
- 41 - Fadl H. H.; **Bakr, R. F. A.**; Badawy R. M.; and Sharaf M. R. (2006): New records of ants (Hymenoptera: Formicidae) from Egypt. *Egypt. Acad. Soc. Environ. Develop.*, Vol.7, No.(2): 99 - 108.
- 42 - **Bakr, R. F. A.**; Ibrahim, I. A.; Hafez, G. A. and Abdou, M. A. (2007): RAPD-PCR and protein electrophoresis of *Monomorium pharaonis* worker after IGR,s treatments. *Egypt. Acad. Soc. Environ. Develop.*, Vol. 8, No.(2) : 33 - 49.
- 43 - **Bakr, R. F. A.**; Fadl H. H.; Badawy R. M.; and Sharaf M. R. (2007): Myrmecophile insecta associated with some ant species (Hymenoptera: Formicidae) in Egypt. *The second international conference of economic entomology, Cairo, Egypt, Vol (1)207-235.*
- 44- Fadl H. H.; **Bakr, R. F. A.**; Badawy R. M. and Sharaf M. R. (2007): Six new species of ants (Hymenoptera: Formicidae) fom Egypt. *The second international conference of economic entomology, Cairo, Egypt, Vol (1)237-251*
- 45- **Bakr, R. F. A.**; Soliman F. EL.; EL-Sayed M. F.; Hassan H. Abd- W.; and Zohry N. M. H. (2007): Effect of sub lethal dosage of Flufenoxuron and Chlorfluazuron on haemocytic, inorganic ions and total protein changes in haemolymph of 6th larval instar of *Spodoptera littoralis* (Boisd.) (Lepidoptera: Noctuidae). *The second international conference of economicentomology, Cairo, Egypt, Vol. (2) 211-238.*
- 46 - Ahmed, N. S.; **Bakr, R. F. A.**; Geneidy N. A. M.; Hindy M. A. and Dar R. A. A. (2007): Residual activity of Pyriproxyfen against *Spodoptera littoralis* (Boisd) as affected by certain ground application parameters in cotton field . *African J. Biol. Sci. Vol. 3 no (2) : 45 - 52.*
- 47-**Bakr, R. F. A.**; Abdel-Fattah H. M. and Mohamed E. K. (2007): Effect of chitin synthesis inhibitor, Lufenuron on the development, haemolymph and antennal sensilla of *Schistocerca gregaria* (Forsk.) (Orthoptera: Acrididae). *African J. Biol. Sci. Vol. 3no (2): 35 – 43.*
- 48 – **Bakr, R. F. A.**; Hamouda L. S.; Soliman F. El. S.; El-Sayed M. F. and Zohry N. M. H. (2007): Effect of flufenoxuron and chlorfluazuron on acid phosphatase and transaminase activities of *Spodoptera littoralis* (BOISD). *African J. Biol. Sci. Vol. 8 no (2): 53 - 60.*
- 49 – **Bakr, R. F. A.**; Hussein M A.; Hamouda L. S.; Hassan H. A. and Elsokary Z. F. (2007): Toxicity and ultrastructural studies of thoracic muscles of *Schistocerca gregaria* (Forsk.) treated with some insecticidal agents *J. Egypt. Acad. Soc. Environ. Develop.*, Vol. 8 No. (3): 45-54.
- 50 - Ghoneim, K.S.; Al-Dali, A.G.; **Bakr, R. F. A.**; Tanani, M. A. and Bream, A. S. (2008): Development and morphogenic responses of *Schistocerca gregaria* (Orthoptera : Acridide) to the juvenoid pyriproxyfen (S-31183). *Al.Azhar Bull. Sci. Vol. 18 No. 2 (Dec.) pp 59 – 81.*
- 51-Ghoneim, K.S.; Al-Dali, A.G.; **Bakr, R. F. A.**; Tanani, M. A. and Bream, A. S. (2008): Histopathological and ultrastructural changes in some tissues of the desert locust,

- Schistocerca gregaria* by the juvenoid pyriproxyfen. *Al-Azhar Bull. Sci. Vol. 18 No. 2(Dec.) pp 83-98.*
- 52-Ghoneim, K.S.; **Bakr, R. F. A.**; Tanani, M. A. Al-Dali, A.G.; and Bream, A. S. (2008): An ultrastructural study on the desert locust, *Schistocerca gregaria* as affected by Tebufenozide (RH-5992). *Int. J. Agri. Biol. 10 : 479-480.*
- 53-Al-Dali, A.G.; Ghoneim, K. S.; **Bakr, R. F. A.**; Bream, A. S. and Tanani, M. A. (2008): Egg productivity of *Schistocerca gregaria* as affected by the non-steroidal ecdysone against tebufenozide (RH-5992). *Egypt. Acad. Soc. Environ. Develop., Vol. 9 , No. (1) 27-38*
- 54- **Bakr, R. F. A.**; Hussein M A.; Hamouda, L. S.; Hassan H. A. and Elsokary, Z. F. (2008): Effect of some insecticidal agents on some biological aspects and protein patterns of desert locust, *Schistocerca gregaria* (Forsk.). *Egypt. Acad. Soc. Environ. Develop., Vol. 9, No.(2) 29-42*
- 55 - **Bakr, R. F. A.**; Ghoneim, K. S.; Al-Dali, A.G.; Tanani, M. A. and Bream, A. S. (2008): Lethal efficacy of the chitin synthesis inhibitors flufenoxuron (cas-101463) and lufenuron (cga-184699) on *Schistocerca gregaria* (orthoptera: acrididae). *Egypt. Acad. J. Biolog. Sci. 1(1) 1-12.*
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- 57 - **Bakr, R. F. A.**; Ghoneim, K. S.; Bream, A. S.; Al-Dali, A. G. and Tanani, M. A. (2008) Ultrastructural changes in certain nymphal tissues of *Schistocerca gregaria* (orthoptera:acrididae) by some chitin synthesis inhibitors. *Egypt. Acad. J. Biolog. Sci. 1(1) 21-37.*
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VI. Teaching experience

Undergraduate:

1. General Entomology
2. Physiology Course
3. Toxicology Course
4. Pest control Course
5. Economic and medical Entomology Course
6. Pest Management Course
7. Ecology Course
8. Insect Behavior course
9. Insect taxonomy course

Graduate

1. Advanced toxicology
2. Pest Management course
3. Social insects course
4. Forensic entomology
5. Special topics

VII. Teaching Philosophy:

فلسفة التدريس

الحمد لله , والصلاة والسلام على رسول الله , أما بعد

أولاً : رؤيتي الفلسفية للتدريس :

تتمثل فلسفتي في النظر إلى التعليم والتدريس على النحو الآتي :

أ - سمو رسالة العلم والتعلم والتعليم : لما يؤديه المعلم بالتعليم من إحياء للنفس , وتنوير للعقول والبصائر , ورفع للجهل , وجلب للخير , ودفع للشر , إلى غير ذلك من الفضائل العظيمة. ومن أنى أرى ضرورة الاهتمام بربط الطالب بالكتاب الذي هو المصدر الأصلي للمعرفة , وحثه على اقتنائه , وكذلك ضرورة التعامل مع الوسائل الحديثة للتعلم والتعليم , لكل من الأستاذ والطالب , وبخاصة الإلكترونية منها ,

ب- أن العلم والتعلم نشاط إنساني , وليس فقط مادة وطريقة: ومن هنا فإن المبادئ والمركبات التي تقوم عليها طرق التدريس

الجامعي الفعالة , والتي سأعمل على تحقيقها . إن شاء الله تعالى . ما يأتي:

- 1 - المشاركة النشطة من قبل الطلاب .
 - 2- تقديم المعرفة العلمية بطريقة مفهومة , وواضحة المعنى بالنسبة إلى الطالب , وبما يوافق خبراته السابقة , وطبيعة العلم , وبنيته , وأهداف تدريس المادة العلمية .
 - 3- تنظيم المعرفة المقدمة بطريقة مترابطة ومتسقة , بحيث يتاح للمتعلم فهم كل خطوة , وتطبيقها , وتحولاتها ,
 - 4- تضيق الفجوة بين النظرية التدريسية والمنطق البنائي والتنظيمي للمادة .
 - 5- اعتماد التغذية الراجعة المناسبة , لإحداث التغييرات , أو التعديلات في التدريس الجامعي , بما يوافق ظروف المتعلمين وحالاتهم وتوجهاتهم واهتماماتهم .
 - 6 - أن تكون طريقة التدريس المتبعة مرنة وقابلة للتعديل في ضوء المستجدات التي تحدث في قاعات التدريس
- ج - طريقتي في التدريس :** تتركز الطرق الشائعة في التدريس الجامعي بشكل عام على استراتيجيات ثلاث :

1 - استراتيجية تركز على المتعلم .

2 - استراتيجية تركز على الأستاذ .

3 - استراتيجية تركز على التفاعل بين الأستاذ والمتعلم .

فإن الطريقة التي يراد اتباعها لا بد من أن تتسم ببعض السمات , والتي من أهمها :

- 1 - ربط التعلم الجديد بالتعلم السابق ذي العلاقة .
 - 2 - استخدام التعلم الجديد في مواقف جديدة ذات علاقة بحياة المتعلم اليومية (التعلم الوظيفي) قدر الإمكان .
 - 3 - تنمية شخصية المتعلم في تحقيق التعلم من جوانبها المختلفة : المعرفية والمهارية , والانفعالية هذا بالإضافة إلى ربط ذلك كله بضرورة التحلي بأداب طالب العلم وصفاته الحسنة
- د- أساليب التقويم:** أتبع عدة أساليب للتقويم , ومن أبرزها :

1 - الاختبارات (الشفهية و التحريرية) المرحلية والنهائية .

2 - إجراء البحوث الصغيرة , وتلخيص المعلومات من المراجع .

3 - أداء النشاطات التدريسية (الشفهية والتحريرية) التي أقترحها .

وأقوم بتحديد جدول زمني يجرى فيه التقويم , وهو موضح في ملف كل مقرر .

أؤمن بأن مسؤولياتي كأستاذ في جامعة الملك خالد أن أقدم لطلابي ما يلي:

- الجو التعليمي الراقي الذي يفعل عملية التعلم.
 - المعلومات والمعرفة العلمية والعملية التي تساعدهم على أن يكونوا أكثر تفوقاً ونجاحاً في حياتهم.
 - المواد التعليمية والكتب والمراجع العلمية غير المتوفرة في مكتبة الجامعة،
 - التغذية الراجعة لهم كي أكون أكثر فاعلية في عملية التعلم.
 - إثارة دافعيتهم وتعزيزها بصورة تجعلهم أكثر نجاحاً وتفوقاً في حياتهم العلمية والعملية.
- كما إنني أؤمن بأن لدى طلبتي المميزين واجبات تجاه أستاذ المقرر وتجاه زملائهم ونحو أنفسهم، الأمر الذي يساعدهم على القيام بأعمالهم بصورة فاعلة وذات كفاءة عالية.

