CURRICULUM VITA

NAME: Dr. Abdelgadir Ahmed Osman (Associate professor)

Date of birth: 1953

EDUCATION :

Ph.D. Entomology, University of Arizona, U.S.A. 1989.

Dissertation title: Resistance to pyrethroid and organophosphate insecticides in the pink bollworm, Pectinophora gossypiella.

Major Advisor: Dr. T. F. Watson

M.Sc. Plant Protection, University of Arizona, U.S.A. 1983.

Technical Report: Use of gas and thin layer chromatographic techniques in the analysis of different pesticide residues in soil and alfalfa samples in Arizona.

Major Advisor: Dr. George Ware.

B.Sc.(honours) Agriculture , University of Khartoum, Sudan, 1979.

Current Position: Deputy dean , college of agricultural studies, Sudan University of Science and Technology.

Previous position: Head of the department of plant protection, Sudan University of Science and Technology.

Research Experience at University of Arizona, U.S.A:

1989-1990 A whitefly research project to evaluate the efficacy of different organophosphate, carbamate and pyrethroid insecticides to control whiteflies in Yuma, Arizona, U.S.A. The project was conducted in vast areas of cotton fields; however, the efficacy of the same insecticides was also tested on other hosts.

1991-1995 Involved in a four-year study on monitoring resistance of the silverleaf whitefly to organophosphorous+pyrethroid, cyclodiene, and pyrethroid insecticides in Arizona." Presented at the 'Fourth Annual Progress Review of the 5-Year Research and Action Plan for the Development of Management and Control Methodology for Silverleaf Whitefly'. San Antonio, Texas, Feb. 4-6, 1996.

July. 1995-May 1998.

Research on termite control - United States Department of Agriculture, Carl Hayden Research Laboratories, Tucson, Arizona, U.S.A.

The objective of this project was to evaluate the efficacy of different termiticides to control termite colonies in Southern Arizona.

July 1995-May 2001.

Adjunct Faculty, Pima Community College, West Campus, Tucson, Arizona, U.S.A.

Teaching Duties:

Courses on General Biology for Biology majors, (3 lectures and 3 laboratories per week) - covers principles of structure and function of living things at the molecular, cellular and organismic levels of organization. It includes scientific process; chemistry of the cell; cell structure, function, and reproduction; inheritance; molecular biology and biotechnology.

Computer Experience:

Classes in Fortran, Pascal and Microcomputers in agriculture during the doctoral degree study at the university of Arizona.

I have also obtained the following certificates:

1. MCSE (Microsoft Certified System engineer).
2. MCSA (Microsoft Certified system administrator).

Publications:

Refereed Journal Articles (in **U.S.A**)

Osman, A. A., T. F. Watson and S. Sivasupramaniam. 1991. Reversion of resistance in field strains and selection for azinphosmethyl and permethrin resistance in pink bollworm (Lepidoptera: Gelechiidae). J. Econ. Entomol. 84: 353-357.

Osman, A. A., T. F. Watson and S. Sivasupramaniam. 1991. Susceptibility of field populations of pink bollworm (Lepidoptera: Gelechiidae) to permethrin and azinphosmethyl and synergism of permethrin. J. Econ. Entomol. 84: 358-362.

Osman, A. A., T. F. Watson and S. Sivasupramaniam. 1992. Inheritance of permethrin resistance in the pink bollworm (Lepidoptera: Gelechiidae). J. Econ. Entomol. 85: 335-339

Sivasupramaniam, S., T. F. Watson and A. A. **Osman**. 1995. Factors affecting the overwintering physiology of Anthonomus Grandis Boheman in Arizona. Southwestern Entomologist: 20: 303-315.

Aldosari, S. A., T. F. Watson, S.Sivasupramaniam and A. A. **Osman**. 1996. Susceptibility of field populations of beet armyworm (Lepidoptera: Noctuidae) to cyfluthrin, methomyl and profenofos and selection for resistance to cyfluthrin. J. Econ. Entomol. 89: 1359-1363

Sivasupramaniam, S., S. Johnson, T. F. Watson, A. A. **Osman** and R. Jassim. 1997. A glass-vial technique for monitoring tolerance of the silverleaf whitefly (Homoptera: Aleyrodidae) to selected insecticides in Arizona. J. Econ. Entomol. 90: 66-74.

Presentations at Conferences:

A. A. **Osman** and T. F. Watson. 1989. "Susceptibility to permethrin and azinphosmethyl and reversion of resistance in field populations of pink bollworm, Pectinophora gossypiella." Presented at the 'National Meeting of the Entomological Society of America', San Antonio, Texas, Dec. 10-14, 1989.

S. Sivasupramaniam, S. Johnson, T. F. Watson, A. A. **Osman** and R. Jassim. 1996. "A four-year study on monitoring resistance of the silverleaf whitefly to organophosphorous+pyrethroid, cyclodiene, and pyrethroid insecticides in Arizona." Presented at the 'Fourth Annual Progress Review of the 5-Year Research and

Action Plan for the Development of Management and Control Methodology for Silverleaf Whitefly'. San Antonio, Texas, Feb. 4-6, 1996.

Research Reports and Conference Proceedings:

Sivasupramaniam, S., S. Johnson, T. F. Watson, A. A. **Osman** and R. Jassim. 1995. Monitoring of the resistance of the silverleaf whitefly to selected insecticides in Arizona. Proceedings of the Beltwide Cotton Conferences. January 1995, San Antonio, Texas. Addendum, pp. 74-79.

Awards:

Awarded Graduate Academic Scholarship by the Department of Entomology, University of Arizona, in 1986.

Awarded Certificate of Excellence by Arizona Research Laboratories. University of Arizona, in Dec. 1997.