UNIVERSITY OF TRIPOLI
Faculty of Veterinary Medicine
Department of Preventive Medicine

CURRICULUM VITAE

Professor

ASHRAF MOHAMED ALI WARD

Ph.D. Joint supervision with the Institute of Genetics in East Germany – Ukraine - Russian

Professor of Genetics and Breeding

Department of Preventive Medicine

Faculty of Veterinary Medicine,

UNIVERSITY OF TRIPOLI, **TRIPOLI, LIBYA**

TRIPOLI – LIBYA 2025

CAREER VISION

PERSONAL DATA:

Full name: **Ashraf Mohamed Aly**

Surname: **Ward**

Nationality: **Libyan**

Occupation: **University Staff Member**
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          A.WARD@uot.edu.ly   ,wardashraf@mail.ru

Twitter: Ashraf ward,

Skype: Ashraf ward,

Facebook: ASHRAF WARD

QUALIFICATIONS & SCHOOLS ATTENDED:

Joint supervision with the Institute of Genetics in East Germany

Ph. D. Genetics & Breeding.

Kharkov State Zoo-veterinary Academy (1991).

Kharkov State Zooveterinary Academy

www.zoovet.kharkov.ua

State Scientific Institution All-Russian Research Institute of Genetics

and Breeding

www.vniigen.ru

M. Sc. Genetics & Breeding.

Kharkov State Zoo-veterinary Academy. (1986).

www.zoovet.kharkov.ua

TEACHING COURSES FOR GRADUATE & UNDERGRADUATE STUDENTS:

Teaching (lectures, Lab., and farm supervision), and all exams and testing duties to both undergraduate and graduate students of the following, subjects:
.Genetics Engineering
.Animal Breeding Plans

• **Breeding and Genetic Theory**

• **Calculation of Breeding Values**

• **Eukaryote Molecular Biology**

• **Experimental Design and Analysis in Animal Science and Aquaculture**

• **General Aquacultures – Genetics and Breeding**

- **Genome Analysis, Methodology**

- **Laboratory course in Molecular Biology**

- **Molecular Biology**

. **Quantitative genetics**

. **Population genetics**

. **Cytogenetic**

. **Animal production**

.**Preventive medicine**

- **Molecular Genomics**

- **Molecular Markers for Genomics**

- **Optimizations of Fish Breeding Programs**

- **Population Genetics and Molecular Evolution**

- **Statistical Analysis**

. **Animal health and management**

. **Animal husbandry**

.**Animal behavior**

- **Statistical Data Analysis**

- **Statistical Genomics**

- **Theory and Application of Inbreeding Management**

. **Russian Language**

. **Analysis of Animal Production Experiments**

Career in descending order:

(1) production engineer with cattle development project (1983-1984).

(2) the records of the College of technology animal Kiev Ukraine (1986-1990).

(3) General director of commercial center Lithuania- Vilnius (1991-1994)

(3) development project Advisor, cows, poultry (1992-1994).

(4) faculty member in the Faculty of veterinary medicine 1996 till now.

Shares and membership of committees:

-Member of the Scientific Committee for the study of genetic diseases and disabilities in basic Association for disabled persons 1997-2000.

-Member of the Committee on evaluation of compound fur aquaculture 2007.

-Member Evaluation Committee Draft Valley as of 2007.

Member of the Committee for the assessment of marine research center and set up a vision for restructuring 2007.

-Member of the Scientific Committee to study Oncology with riding school 2008.

-Within the research project "the use of preventive and natural environmental factors, biological treatment and reduction of mastitis without using antibiotics" Ukraine-Kiev, starting from October 2006

-Member of the Scientific Committee for the study of genetic diseases and disabilities in basic Association for disabled persons 1997-2000.

-Member of the Committee on evaluation of compound fur aquaculture 2007.

-Member Evaluation Committee Draft Valley as of 2007.

Member of the Committee for the assessment of marine research center and set up a vision for restructuring 2007.

-Member of the Scientific Committee to study Oncology with riding school 2008.

-Member of the Scientific Committee for the study of genetic diseases and disabilities in basic Association for disabled persons 1997-2000.

-Member of the Committee on evaluation of compound fur aquaculture 2007.

-Member Evaluation Committee Draft Valley as of 2007.

Member of the Committee for the assessment of marine research center and set up a vision for restructuring 2007.

-Member of the Scientific Committee to study Oncology with riding school 2008.

-Member of the quality team and preparing the scientific research file Administrator of the Department of Preventive Medicine
-Head of Department Research, Consultant and Training.
=Member of the committee for preparing the structure of the veterinary educational hospital

Work experience and teaching:

1. **Production engineer in cattle Development Project(Tripoli)**
2. **The development of cattle and poultry project consultant(Tripoli)**
3. **Higher Institute for Comprehensive careers (Al-Zahra)**
4. **Prepare teachers Institute (Al- zawia)**
5. **faculty of Agriculture (University of Tripoli)**
6. **faculty of Agriculture (Al – riaina)**
7. **faculty of science (Zitouna University)**
8. **Faculty of Animal Technology(Ukraine)**
9. **Kolkhoz Senior Researcher(Ukraine)**
10. **Lecturer collaborator(Ukraine)**
11. **Social Security Researcher(Tripoli)**

12.Journalist and reporter

13.General Association for the Disabled(Benghazi)

14.Teaching anatomy at Al Jafara University

15.Teaching Immunology at Al Jafara University

16.Teaching Genetics at Al Jafara University

17.Teaching Genetics at Al Jafara University

18.Teaching Medical Genetics at Al Jafara University

19.Teaching Toxicology at Al Jafara University

20.Teaching of cell science at Al Jafara University

21.Teaching Embryology to Postgraduate Students at the Libyan Academy

22.Teaching preventive medicine to students of the Faculty of Agriculture

23.Teaching as a scientific writing decision

24.Teaching microbial genetics course to Postgraduate Students at the Libyan Academy

25.Teaching a course in histology for graduate students at the Academy of Graduate Studies

26.Teaching a course in Embryology for graduate students at the Academy of Graduate Studies

PROGRAMMING SKILLS:

Development of programs:

1- A FORTRAN program for simulation of phenotypes and marker genotypes in a finite population under genetic drift

2- QTLTER (a FORTRAN program for mapping quantitative trait loci using linkage disequilibrium).

3- FORTRAN program for estimation of population demographic parameters with implementation of MCMC methods.

Courses and programs to strengthen and develop self:

- **Project Management**

- **Successful planning projects**
- **Education and Psychology**
- .   **The art of management.**
- **leadership skill**
- **Teaching methods**
- **International Business**
- **Study population**
- **Educational consultant**
- **Public Relations**
- **Planning Projects**
- **Agricultural Extension**
- **Human Development**
- **Self-immunization**
- **Etiquette and ways of dealing with others**
- **Capacity Development**
- **Career Excellence**
- **International business**
- **Successful planning projects**
- **Professional leadership**
- **Human Resource Management**
- **Business Administration**
- **Marketing, Production, Finance Strategic**
- **Management and Accounting and Investment**

LABORATORY EXPERTISE:

I have gained expertise in the following techniques:

1. **Protein extraction**

2. **RNA and DNA extraction**

3. **Reverse transcriptase polymerase chain reaction (RT-PCR).**

4. **Microscopic techniques such as light, phase-contrast and confocal microscopy**

5. **Analysis of blood parameters, hemoglobin, hematocrit measurements etc.**

6. **ELISA techniques**

7. **High pressure liquid chromatography**

8. **Atomic absorption spectrophotometry**

9. **DNA isolation and purification (from blood, tissue, hair, semen and culture), RNA extraction, Plasmid extraction, PCR & its various modifications/applications, Multiplex PCR, Agars gel electrophoresis & Polyacrylamide gel electrophoresis (PAGE) and documentation, spectrophotometer, Culture media, Karyotyping and Microscopy etc.**

10. **Bio Edit, BLAST, Primer 3, Chromes, Oligo Calc, Pop Gene 3.2, Power STAT 2.1, DNA and protein sequence alignments and analyses, Multiple Alignment, DNA sequencing and genotyping analysis, phylogenetic analysis, MEGA 5.05, Blast2 Sequence and Cyclic.**

PROFESSIONAL MEMBERSHIPS:

(1) Association Scholar - United States zigma xi, USA
(2) the Egyptian Society of Animal Production Science .
(3) The Arab Society for Biotechnology alexasb.8m.com
(4) American Society of mutation environmental IAEMGS
(5) the Egyptian Society of Genetic Science .
(6) Association of Mujahedeen and Veterans
(7) the main network to maintain the genetic origins of domestic rabbits in the Mediterranean countries
(8) editorial board magazine Zahra 2002 and to date.
(9) The Arab Organization for Agriculture Development aoad.org
(10) Genetics Society of America

EXPERIENCE IN USING EXISTING SOFTWARE:

- **SAS statistical package for data analysis**

- **SPSS and MINITAB statistical software**

- **MTDFREML: implementation of BLUP for estimation of variance components and prediction of random effects.**

- **Several programs used in population genetics (e.g. FDIST2, BOTTLENECK, IM, MIGRATE)**

- **Microsoft Windows applications, Word-Processors, Spread Sheets (Excel), Databases- NCBI, UCSC genome browser and Internet Explorer.**

RESEARCH AND PROFESSIONAL INTERESTS:

- **Genetic fingerprinting**
- **PCR Techniques**
- **Animal Breeding and Genetic Improvement of Livestock.**
- **Studying the Environmental and Management Factors Affecting Productivity of Farm Animals.**
- **DNA-Parentage testing of livestock and wild life animals.**
- **DNA-Marker Assistant Selection and Quantitative trait loci (QTL) detection**
- **Genetic conservation of livestock and wild life animals.**
- **Using Computer simulation software in modeling future**
- **Animal genetics and dynamics for conservation genetics programs (e.g. Population viability analysis)**
- **Genetic identification of farm animals**
- **Quantitative and molecular analysis of livestock genetics and breeding.**

LANGUAGES:

- **Arabic: Maternal Language**

- **English: Written and Spoken (excellent)**

- **Russian: Written and Spoken (excellent)**

- **Polish: Spoken (good) and Written (fair)**

- **Ukrainian: Spoken (good) and Written (fair)**

- **German: Spoken (good) and Written (fair)**

PUBLICATIONS IN SCIENTIFIC JOURNALS AND CONFERENCE:

Full Papers in National and International Journals: 43

Abstracts Published in National and International Journals: 18

Abstracts Presented in National and International Conferences: 22

Conferences/Seminars: 19

Supervision of scientific theses:9

EXPERTISE:

 Statistics and data analysis and Genetics Engineering

Research projects:

 the preparation of the work programmer serves livestock according to modern technology which determines the genotypes and genome and implement an electoral programmer standards and genetic combinations and this requires the preparation of a plan of Libyan-Ukrainian joint search is through cooperation with research centers and laboratories in both countries and the publication of results in international journals and research programme was presented to the Scientific Council of Kharkov Veterinary Academy and was relying and approval of the Scientific Council of the Academy during the meeting and released its decision date 12-11-2012 Protocol No. 48-37 to be coordination between Institute of genetics and animal breeding, Kyiv Institute of animal breeding and genetic-NAAS and biotechnology at the University of Kharkov and the umbrella Academy (Kharkov State zoo veterinary Academy – Kharkov – Ukraine).

This Curriculum Vitae is duly signed and dated by

Professor. Dr. *ASHRAF WARD*

Ward

TRIPOLI – LIBYA 2025