

CURRICULUM VITAE

Dr. Nabil Saied Awad

**Aswan University, Faculty of Agriculture and Natural
Resources, Departemnt of Genetics**

Family name : Awad

First name : Nabil.

Middle name : Saied

Date of birth : 2/2/1968

Place of birth : Cairo.

Nationality : Egyptian.

Marital status : Married.

Present position : Assistant professor

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Employment

:

(1991-1993) Research assistant at environmental mutagenesis unit, genetic department, faculty of agriculture, Ain shams university. Cairo , Egypt

(1993-1998) Research assistant at molecular epidemiology unit, department of public health, faculty of medicine, Ain shams university.

(1998-2005) Molecular genetic specialist, Ain shams center of genetic engineering and biotechnology (ACGEB). Ain shams university. Cairo , Egypt.

(2005-2008) lecturer of genetics, college of biotechnology , Misr university for science and technology (MUST)

(2008-2013) Assistant professor of Molecular genetics, biotechnology center, scientific research deanship, Taif University, Taif .KSA

(2013- May,2014) Associate professor of Molecular genetics, biotechnology center, scientific research deanship, Taif University, Taif .KSA

***INTRODUCED
EXPERIENCES***

(june,214-now) assistant professor of genetics, Department of Genetics, Faculty of Agriculture and Natural Resources, Aswan University,Egypt

Lecturer and trainer in the following training courses:

- Conservation and characterization of Genetic Resources (animal, plant and microbes)
- Biochemical and Molecular genetic Fingerprinting
- Evaluation of Mutagenic Effects of pesticides
- Molecular Biology Educational Course: techniques and applications
- 4th Alexander Hollander Training Courses. “Training Course in Genetic Toxicology” “Practical Training in Contemporary Genetic Toxicology
- Basics of Biotechnology
- Applications of PCR
- Basics and application of molecular biology
- Principles and applications of bioinformatics
- Application of modern biotechnology
- Molecular diagnosis and early detection of animal

diseases

- Farm animals biotechnology

Assistant professor in the following courses at Faculty of Biotechnology Misr University of Science & Technology (MUST):

- **Assistant professor of "Cytogenetic"** under graduate course at faculty of biotechnology, Misr University for science & Technology.
- **Assistant professor of "Cancer Genetic"** under graduate course at faculty of biotechnology, Misr University for science & Technology.
- **Assistant professor of "Molecular Genetics"** under graduate course at faculty of biotechnology, Misr University for science & Technology.
- **Assistant professor of "General Biology"** under graduate course at faculty of biotechnology, Misr University for science & Technology.
- **Assistant professor of "Comparative Biology"** under graduate course at faculty of biotechnology, Misr University for science & Technology.
- **Assistant professor of "Animal Biotechnology"** under graduate course at faculty of biotechnology, Misr University for science & Technology.
- **Assistant professor of "Introduction to biotechnology"** under graduate course at faculty of biotechnology, Misr University for science & Technology. Lecturer of "Animal micro techniques" under graduate course at faculty of biotechnology, Misr University for science & Technology.

Assistant professor in the following courses at

Department of Biotechnology, Faculty of Science Taif University:

- **Assistant professor of “Introduction to biotechnology** “under graduate course at Department of Biotechnology, Faculty of Science Taif University.
- **Assistant professor of “Gene Transfer** “under graduate course at Department of Biotechnology, Faculty of Science Taif University.

Attended Courses ***Training***

- Research Methodologies and Its Application in Genetics research
- How to write a research proposal
- Basic sequencing and fragment analysis (Applied biosystem, England).

Special Skills

Computer Skills

Good commands in the following

- Internet skills.
- Image Analyzer software for cytogenetic tests
- DNA and Protein analysis software.
- Sequencing and Genotyping software.
- Real Time PCR analysis software

Languages

- Native speaker of Arabic

- Fluent in English

Selected Conferences ***Attended***

- 1- Prospective of Biotechnology in Arab Countries.
- 2- Ain Shams University First Conference of Biotechnology
- 3- Pan African Environmental Mutagen Society (PAEMS) Fourth International Meeting
- 4-The Second Conference of Africa Genome Initiative

Selected memberships ***Scientific***

- 1- Member of Egyptian genetic society
- 2- Member of Pan African Environmental Mutagen Society
- 3- Member of Egyptian Environmental Mutagen Society

Selected Projects

*** Team member**

1. “Evaluation of Mutagenic potentialities of Pesticides using cytogenetic and biochemical genetic techniques on different living systems ”
2. “Evaluation of Cancer Risk in Schistosomiasis by different cytogenetic and molecular genetic approaches”
3. “Genetic and Environmental Factors in the Etiology of Bladder Cancer in Egypt”

- **Team leader**

1. “Biological Screening of sheep and goat breeds in Egypt”
“Genetic Characterization of Sheep and Goat Breeds in Egypt
2. “Use of functional Genomic analysis for the improvement of Arabian Camel Breeds”
3. “Molecular cytogenetic characterization of Pediatric Congenital malformations in Egypt”
4. “Epidemiological and Molecular Study for Screening and Early Detection of Genetic Diseases in Egyptian Children- Establishment of A Database for Beta thalassemia as a Model”
5. “A Biotechnological approach for the reduction of chlorinated pesticides pollution”

- * **Principle investigator (PI)**

1. Genetic Screening and Early Detection of Cardio Vascular Diseases via Modern Molecular Genetic Approaches
2. Early detection of diabetes mellitus among Saudi population using recent molecular genetic techniques
3. Application of molecular genetic techniques on the detection of sexually transmitted diseases.
4. Genetic variability in fecundity genes among small ruminants at high altitude
5. Improvement of the folic acid production among indigenous lactic acid bacteria via biotechnological techniques

- * **Co- Principle investigator (CO-PI)**

- 1- Genetic studies on anticancer potentialities of some Saudi Arabia medicinal plants
- 2- Investigation of Genetic Factors in the Etiology of Autism in Saudi Arabia
- 3- Application of Biotechnology and Genetic

Engineering in the early detection of breast cancer among Saudi women

- 4- Genetic fingerprinting of fish breeds in Saudi Arabia
- 5- Genetic characterization of Saudi native chicken breeds
- 6- Investigation of Molecular Genetic and Environmental Risk Factors in the Etiology of Attention-deficit hyperactivity disorder (ADHD) in Saudi Arabia children
- 7- Genetic Screening, Early Detection and Molecular Diagnosis of Swine flu via Modern Molecular Genetic Approaches
- 8- Development and establishment of a laser protocol for human gene therapy
- 9- Screening for causing genetic variants among Metabolic Disorders Newborn
- 10- Genetic basis of the relation between cardiovascular diseases and altitude.
- 11- Genetic Basis of Childhood Asthma in Saudi Arabia

Thesis Supervision

- One of the supervision committee members for 2 M. Sc. Thesis in the Biology Department, faculty of Science – Ain shams university
- One of the supervision committee members for 1 M. Sc. Thesis in the faculty of Agriculture- Cairo university
- One of the supervision committee members for 1 Ph.D.

Thesis in the faculty of Medicine - Ain shams
university

Thesis evaluation

External examiner of the following (M sc.)thesis

SalehElarishi (2010) Studies on some human chromosomal aberrations. Faculty of science, king Abdul-Aziz university, Jeddah – Saudi Arabia.

Torki Masoud AL-Ahmadi (2012) Studies on nitrogen fixation efficiency of someRhizobium spp.using molecular genetics techniques. Faculty of science, king Abdul-Aziz university, Jeddah Saudi Arabia.

Khadijah M Mahfouz (2103) Early detection and molecular diagnosis of some most common bacterial genus in cystic Fibrosis patients in Jeddah. Faculty of science, king Abdul-Aziz university, Jeddah Saudi Arabia.

Publications :

A) Thesis

- Molecular Genetic Fingerprinting for Habitual Criminal Persons (M. Sc. Thesis, Biology Department, Faculty of Science, Ain Shams University)
- Cytogenetic studies on mutagenic potentialities of some chemicals using different living systems (M. Sc. Thesis, Genetic Department, Faculty of Agriculture, Ain Shams University)
- Assessment of Genetic Variability and Breed Identification of Some sheep Breeds using RAPD-PCR and PAGE. (Ph.D. Thesis, Genetic Department, Faculty of Agriculture, Ain Shams University)
- Antigen B genetic variability among different Egyptian strains of *Echinococcus granulosus* and its diagnostic potential. (M.D. Thesis, Parasitology. Department, Faculty of Medicine, Ain Shams University)

- Molecular characterization and identification of Varroa mites in Egypt (Ph.D. Thesis , Agricultural Zoology and Nematology Department, Faculty of Agriculture, Cairo University)

B) Project reports

- Molecular Genetic screening and Early detection of B-Thalassemia carriers(project report, Egyptian Academy of Scientific Research and Technology)
- Genetic Screening and Early Detection of Cardio Vascular Diseases via Modern Molecular Genetic (project report, Taif University, KSA)
- Investigation of Genetic Factors in the Etiology of Autism in Saudi Arabia (project report, Taif University, KSA)
- Genetic Fingerprinting of camel breeds (project report, Egyptian Academy of Scientific Research and Technology)
- Evaluation of Mutagenic potentialities of Pesticides. (project report, Egyptian Academy of Scientific Research and Technology)
- “Evaluation of Cancer Risk in Schistosomiasis by different cytogenetic and molecular genetic approaches. (project report, Egyptian Academy of Scientific Research and Technology)
- Genetic and Environmental Factors in the Etiology of Bladder Cancer in Egypt. (project report, Egyptian Academy of Scientific Research and Technology)

C) Original Research articles

- 1- **Gomaa A.M., Abo-Aba S.E.M , Awad N.S (2008)**
Isolation, Characterization and Genetic Differentiation

of Frankia Sp. Isolated from Ecologically Different Egyptian Locations Research Journal of Cell and Molecular Biology, 2(1): 6-17

- 2- El-Hamshary, O.I.M., Abo-Aba, S. E.M, **Awad, N. S.** , Gomaa, A.M. (2008) Genetic Profile of Bacillus cereus and Bacillus subtilis Indigenous Isolates and Their Performance as Bio-control Agent Against the Plant Pathogen Fusariumoxysporum. Research Journal of Cell and Molecular Biology, 2(2): 30-38
- 3- El-Hamshary, O.I.M., **Nabil S Awad** (2008) Enhancement of the antagonistic properties of azospirilum strains against plant pathogens via cell manipulation. Egyptian Journal Applied Science. 23(10B) 466-481.
- 4- Gihan M. Tawfeek, , Hala S. Elwakil, **Nabil S. Awad**, Laila El-Hoseiny, , Hala S. Thabet, Rania M. Sarhan, Samar K. Darweesh , Wagida A. Anwar (2009) Genetic Variability of Antigen B among Echinococcus granulosus Egyptian Isolates. Korean J Parasitol. 47, 3: 259-264.
- 5- **Nabil. S. Awad**, Sally F. M. Allam, Margueriet A. Rizk4, Morad. F. Hassan and Ayman.Y. Zaki (2010) Fingerprinting and assessment of genetic variability of Varroa destructor in Egypt. Journal of Apicultural Research 49(3): 251-256..
- 6- Bayoumi, R.A.; **Awad N. S.**; and Ibrahim M. M.M (2010) Molecular genetic characterization of some biosurfactant producing bacteria isolated from Egyptian red sea mangrove forests. Arab J. Biotech., 13, (2): 209-222.
- 7- Tawfeek GM, Elwakil HS, El-Hoseiny L, Thabet HS, Sarhan RM, **Awad NS**, Anwar WA (2011) Comparative analysis of the diagnostic performance of crude sheep hydatid cyst fluid, purified antigen B and its subunit (12 Kda), assessed by ELISA, in the diagnosis

of human cystic echinococcosis. Parasitol Res. 108(2):371-6.

- 8- **Nabil Saied Awad** and Adel El-Sayed El-Tarras (2011) Analysis of the APO B R3500Q Mutation and APOE Polymorphism in Taif Saudi Population using Polymerase Chain Reaction- Reverses Hybridization Technique. Molecular Biomarkers & Diagnosis.
- 9- Adnan A. Alsulaimani, **Nabil S. Awad**, Adel E. El-Tarras (2011) Detection of genomic instability in hypospadias patients by random amplified polymorphic DNA-polymerase chain reaction (RAPD-PCR) method. African Journal of Biotechnology. 10(20), 4029-4032 (Impact Factor 0.57) <http://www.academicjournals.org/AJB>
- 10- **Nabil S. Awad** and Adel E. El-Tarras (2011) Genetic Analysis of Protein Phosphatase 1 Regulatory Subunit 1B (PPP1R1B) Gene among Autistic Patients. Australian Journal of Basic and Applied Sciences, 5(6): 1-5
- 11- **Awad N S**, Allam F M, Rizk M A, Hassan M F, Zaki AY(2011) identification of Varroa mite (Acari: Varroidae) parasitizing honeybee in Egypt using DNA sequencing ,morphometric and SEM analysis. Arab J. Biotech., 14, (1):41-48.
- 12- Adel E. El-Tarras and **Nabil S. Awad** (2011) investigation of association between PstI polymorphism of tyrosine hydroxylase (TH) gene and autism using PCR-RFLP technique. World journal of Medical Sciences 6(3):131-135.
- 13- **Nabil S. Awad** , Hussein H. Sabit, Salah E. M. Abo-Aba, and Reda A. Bayoumi (2011) Isolation,

characterization and fingerprinting of some chlorpyrifos- degrading bacterial strains isolated from Egyptian pesticides-polluted soils. African Journal of Microbiology Research 5(18), 2855-2862.

14- Adel E. El-Tarras, **Nabil S. Awad**, Nahla Mitwaly, Adnan A. Alsulaimani and Manal M. Said (2012) Association between polymorphisms of SLC6A3 and DRD1 genes and autism among Saudi Arabia Taif population using PCR-restriction fragment length polymorphism (PCR- RFLP). African Journal of Biotechnology 11(54), 11665-11670.

15- Adel E. El-Tarras, Adnan A. Alsulaimani, **Nabil S. Awad**, Nahla Mitwaly, Manal M. Said, Ayman M. Sabry (2012) Association study between the dopamine-related candidate gene polymorphisms and ADHD among Saudi Arabia population via PCR technique. Molecular Biology Reports 39:11081–11086

16- Adel E. El-Tarras, **Nabil S. Awad**, Manal M. Said and Nahla Mitwaly (2012) Detection of FXIII gene V34L and fibrinogen β -gene -455G/A polymorphisms among Saudi Arabia population via polymerase chain reaction-reverse hybridization technique. African Journal of Biotechnology 11(80), 14536-14541.

17- Adel E. El –Tarras, Ahmad F. Shahaby, **Nabil S. Awad**, A.S. Bahobial, O.A. El abib (2012) In vitro screening for oil degrading bacteria and evaluation of their biodegradation potential for hydrocarbon African Journal of Microbiology Research Vol. 6(49), pp. 7534-7544.

18- Shahaby A F, **Awad, NS**, El-Tarras, A.E. and A.S.

Bahobial (2012) Mobile phone as potential reservoirs of bacterial pathogens. African Journal of Biotechnology 11(92)15896-15904

- 19- Nabil Saied Awad** , Adel El-Sayed El-Tarras (2012) Prevalence of H1299R polymorphism in the Factor V gene among the Taif-Saudi Arabia population using polymerase chain reaction-reverse hybridization technique Molecular Biology Reports 39:439–443.
- 20- Ayman Sabry** , Manal M Said , **Nabil S Awad**, Adel El-Tarras (2013) Bioinformatics analysis of Growth hormone (GH1)in several species. life science journal 10: 1202-1206
- 21- Abdel Elah Banaja**, Ameen A Ashour, **Nabil S Awad**, Mansour H Al-jody, Adel E El-tarras (2013) Ultrastructural and genetic characterization of the two Ascaridiagalli and A. columbae from birds in Taif, Saudi Arabia. life science journal. 10(2):1794-1800.
- 22- Nabil S. Awad**, Manal M. Said, Alaa A. Mohamed and Adel E El-Tarras (2013) Detection of Some Sexually Transmitted Bacterial Infection Using Molecular Genetic Technique. World Journal of Medical Sciences 9 (3): 142-146.
- 23- Jamal S.M. Sabir**, Ayman M. Sabry, **Nabil S. Awad**, Alaa A. Mohamed and Mohammed H.Z. Mutawakil (2013) Najdi Harri and Aradi Saudi Goat Breeds Possess Genetic Variation Required for Genetic Improvement. World Applied Sciences Journal 26 (7): 867-872.
- 24- Jamal M. Sabir**, **Nabil S. Awad**, Ehab E. Alhallous, Alaa A. Mohamed and Mohammed H. Z. Mutawakil

(2013) Assessment of Genetic Diversity among Saudi Sheep Breeds for Characterization and Conservation Purposes. *Global Veterinaria* 11 (5): 634-639.

- 25- Ahmad F Shahaby, **Nabil S. Awad**, and Adel E El-Tarras (2013) Isolation and Molecular Characterization of Novel Bacterial Strains Possessing High Efficiency to Degrade Mineral Oil. *Life Sci J*;10(3):2563-2572.
- 26- **Nabil S. Awad**, Talal A. Almalki, Ayman M. Sabry, Alaa A Mohamed, Manal M. Said and Adel E. El-tarras (2013) Screening of Factor V G1691A (Leiden) and Factor II/prothrombin G20210A Polymorphisms among Apparently Healthy Taif-Saudi Arabia Population Using a Reverse Hybridization Strip Assay Approach. *World Journal of Medical Sciences* 9 (4): 202-207.
- 27- Hussein Sabit, Mohamed , M.M. Ibrahim and **Nabil S. Awad** (2013) SiRNA-Mediated Down-Regulation of Livin Expression in Breast Cancer Cells. *Academic Journal of Cancer Research* 6 (2): 69-73.
- 28- **Nabil S Awad**, Adel E El-Tarras, Talal A. Almalki, Abdel hameed Alghamdi , Ayman M Sabry, Dalal Nemenqani (2014) Prevalence of A6224G Insulin Receptor Substrate-1 and mitochondrial DNA tRNA)Leu(UUR) 3243 polymorphisms in type II diabetes mellitus Saudi Patients. *World Journal of Medical Science* 10 (3): 279 – 284.
- 29- Hussein Sabit, Hala B. Al-Sharkawy, Mariam Al-Zaidy, Mohamed A. Abdel-Baseer, **Nabil S. Awad**, Walid N. Al-Mazny, Najla Bint Saud Al-Saud, Moez M. Elsaadani, Mohamed M.M. Ibrahim and Osama A.M. Said (2014) Small Interference RNA-mediated Down regulation of Survivin Expression in Breast and Hepatocellular Carcinoma Cell Lines. *World Journal of Medical Sciences* 10 (4): 421-426.

- 30-** Ayman Sabry, Alaa Ahmed Mohamed, **Nabil Said Awad** (2014) A Comprehensive in silico DNA Sequence Analysis of Sperm Surface ADAM Genes Collected from RefSeq Database. American Journal of Bioinformatics Research 4(2): 23-32.
- 31-** Abdul Elah Banaja, Nabil Awad, Adel El-Terras, (2014) Fingerprinting and assessment of genetic variability of *Subulura brumpti* recovered from domestic fowls in Taif, KSA. Int.J.Curr.Microbiol.App.Sci 3(11) 1017-1027.
- 32-** Nabil S Awad, Mohamed M Soliman, Alaa A Mohamed, Ayman M Sabry, Ahmad F. Shahabyand Adel E. El –Tarras. (2015) Effect of altitude on some male fertility related traits in Saudi ovine and caprine species . (Accepted) annals of animal sciences. 15. 2 2015, 2 issue (Vol. 15, no. 2).
- 33-** Mohammed S. Al Saeed , Nabil S Awad and Adel E El-Tarras (2015) Prevalence of Some Genetic Polymorphisms among Cardiovascular Patients Residing At High Altitude and Sea Level (accepted).international journal of human genetics
- 34-** Adel E. El-Tarras, Attia O. Attia, Nabil S. Awad, EL Dessoky S. Dessoky, Alaa A. Mohamed. (2015) Genetic Characterization and in vitro propagation of three medicinal plants collected from high altitude Taif governorate, KSA (accepted).international journal of biodiversity and environmental science.

Awards

- 1- Scientific publication award (2010). Taif University.
- 2- Distinguish research article award (2010). Taif University.
- 3- Prestigious Author award (2011). Molecular biomarker and diagnosis journal.
- 4- Scientific publication award (2011). Taif University.
- 5- Scientific publication award (2012). Taif University.