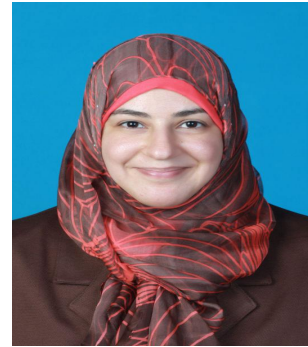


Curriculum Vitae (CV)



Name: FATHIA ABDEL KARIM ABDEL MAABOUD SOUDY.

Nationality: Egyptian.

Gender: Female.

Data of Birth: 26-11-1986.

Work Status: Lecturer at Genetics and Genetic Engineering department- Benha University.

<http://bu.edu.eg/staff/fathiasoudi6>

Interests: Agricultural Science- Genetics and genetic engineering- Animal genetics, breeding and reproduction and animal biotechnology.

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Education

- Ph.D. Animal Science-Animal Genetics, Breeding and Reproduction, Huazhong Agricultural University (HZAU), China (2017).
- M.Sc. Science, Animal Genetics, Huazhong University OF Science and Technology (HUST), China, (2012).
- B.Sc. Genetics and Genetic Engineering- Agricultural Science, Benha University, Egypt, (2008).

Membership: The Egyptian Society of Genetics, Egypt.

Experience Record

- Assistant Professor of Genetics and Genetic Engineering (Animal Genetics, Breeding and Reproduction, Benha University, Egypt (2017-)
- Lecturer, Genetics and Genetic Engineering (Animal Genetics, Breeding and Reproduction), Benha University, Egypt
- Assistant Lecturer, Animal Genetics, Benha University, Egypt (2013- 2017).
- Teaching Assistant of Lecturer, Animal Genetics, Benha University, Egypt (2010-2012).
- Master candidate at Max-Planck Joint Laboratory in college of Life science and Technology in Huazhong University OF Science and Technology (HUST), China

(2010–2012).

- Ph.D. candidate at National key Laboratory of animal genetics, breeding & reproduction in Huazhong Agricultural University (HZAU), China (2012–2017).

Academic Background

Research Experience:

- Genomics and Bioinformatics as a biological information science (Sequence analysis, comparative genomics and evolutionary, analysis of mutation and analysis of gene expression).
- DNA and RNA isolation.
- Reverse transcription polymerase chain reaction (RT-PCR) as a laboratory technique of molecular biology.
- NanoDrop and spectrophotometer.
- The polymerase chain reaction (PCR) as a biochemical technology in molecular biology.
- Plasmid Vector Construction as a crucial method in modern genetic manipulation.
- The Gateway cloning Technology as a Recombination Cloning system.
- RNA Interference Technology as a rapid method of identification gene functions by silencing the mRNA molecules (dsRNA- miRNA).
- Overexpression Technology.
- Genotyping Transgenic by PCR.
- Blood glucose normal parameters.
- Molecular fluorescent Imaging by Laser Scanning Confocal Microscopy.
- Real-time polymerase chain reaction (qRT-PCR).
- Cell line Culture.
- Luciferase Reporter Assay.
- Animal husbandry and nutrition efficiency.

Studied Courses:

Molecular genetics- Plant breeding- mutagenesis- Population genetics-quantification genetics- Biometrics- Cytology- Cytogenetic- microbial genetics- Chemistry of nuclear acids- Chemistry of proteins- Animal breeding- Breeding plants resistant to disease- physiological Genetics and biochemistry- Progress in genetics- Genomics- Molecular Development biology- Ecotoxicology- Advanced Ecology- Proteomics- Gene Technology- Genetic Immunology- Progress in Animal research- Animal breeding and Reproduction- Gene Engineering- Animal Biochemistry Topics- Bioinformatics- Photobioreactor and optogenetics- Developmental biology.

Research Publications:

1. A Study on The function of cysteine proteases in *Caenorhabditis elegans* Embryogenesis. **Fathia Soudy**, Master Dissertation, 2012, China.

<http://kns.cnki.net/KCMS/detail/detail.aspx?dbcode=CMFD&dbname=CMFD201302&filename=1013011829.nh&v=MjgxMTRxVHJXTTFGckNVUkwyZVprUnRGeXprVUwvQVZGMjZiYk81SDluT3>

2. **The investigation of nicotinamide nucleotide transhydrogenase gene in glucose and energy metabolism.** [Fathia Soudy](#), Ph. D. Dissertation, 2017, China.
3. **The nicotinamide nucleotide transhydrogenase gene could impair blood glucose level stability and increase basal metabolism.** [Fathia Soudy](#), Akhtar Rasool Asif, Yuanxin Miao, Lu Jing, Yu Luan, Ali Haider Saleem, Ali Zohaib, Sayyed Aun Muhammad, Zulfiqar Ahmad, Shuhong Zhao and Xinyun Li. *Pak. J. Agri. Sci., Vol. 55(3), 603-609; 2018. ISSN (Print) 0552-9034, ISSN (Online) 2076-0906 DOI: 10.21162/PAKJAS/18.6449. (Impact Factor:0.69)*
4. **Candidate Gene Identification of Feed Efficiency and Coat Color Traits in a C57BL/6J × Kunming F2 Mice Population Using Genome-Wide Association Study.** Yuanxin Miao, [Fathia Soudy](#), Zhong Xu, Mingxing Liao, Shuhong Zhao, and Xinyun Li. *BioMed Research International*, vol. 2017, Article ID 7132941, 7 pages, 2017. **(Impact Factor: 2.476)**
5. **Variability in fecal egg count of Haemonchus contortus infection to native goat breeds of China and Bangladesh under natural grazing condition.** AI Omar, MBB Alam, MO Faruque, MM Mondal, MS Raihan, AA Adetula, Z Wu, AA Bhuiyan, [F Soudy](#), J Cao, S Zhao, X Du. *Progressive Agriculture* 27 (4): 473-481, 2016.
6. **The nicotinamide nucleotide transhydrogenase gene could play important role in glucose stability and be targeted by microRNA-221 and 222 in C2C12 myoblast cells.** [Fathia Soudy](#), Huan huan Zhou, Shuhong Zhao and Xinyun Li. (Awarded the best paper). *The International Conference on Advanced Technologies and their Applications in Agriculture*, 2017, Egypt.
7. **Silencing *cpl-1* gene plays a potent role on *C. elegans* embryogenesis and effective sterility for mutants.** [Fathia Soudy](#), Wei Wang, Lanlan Li, LingFeng Meng and Zheng-Xing Wu. (Awarded the best paper). *The International Conference on Advanced Technologies and their Applications in Agriculture*, 2017, Egypt.
8. **knocking down of Cathepsin L- like cysteine protease -Induces Internal egg hatching in *Caenorhabditis elegans* during embryogenesis.** [Fathia Soudy](#) and Zheng-Xing Wu. 2nd International Sino Egyptian Congress on Agriculture, Veterinary Sciences & Engineering, Benha University 7-10 October 2017, Egypt.
9. **The Molecular and Cytogenetic Characterization of Benha Line Chickens.** Iraqi, M. M.; Bekhit, M. M. M; Refaat, M.H.; [Soudy, F.](#); El-Attrouny, M. M; Mansour, A.; Abdelrhann, M.M.; Abdelkreim, O.F.; Aboshady, A.A; Ibrahim, O.M. *BENHA Veterinary medical journal*, Vol. 34, No. 3, August 2018.

Training and Workshops:

- From Stem Cells and Systems Biology to Pig Production, Joint Huazhong Agricultural University- University of Nottingham workshop- Supported by BBSRC and British Council (2014).
- National Academic Graduate Student Symposium of Animal Science and Veterinary Medicine of HZAU (2013).
- University Code of Ethics, Benha University, Egypt (2013).
- Self Evaluation and External Reviewing, Benha University, Egypt (2013).
- University Management, Benha University, Egypt (2013).

- Research Ethics, Benha University, Egypt (2013).
 - Using Computers and Managing files (2011).
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Skills

Computer literate: A Good knowledge of Microsoft office (Word, PowerPoint and Excel), as well as e-mail and the internet.

Language Capabilities

	Excellent	Good	Fair
Arabic	✓		
English		✓	
Chinese		✓	
German		✓	