



Salah Mahmoud Abdel-Rahman
Professor

PERSONAL INFORMATION	<p>Full Name: Prof. Dr. Salah Mahmoud Ali Abdel-Rahman Affiliations: Nucleic Acid Research Department, Genetic Engineering and Biotechnology Research Institute, City of Scientific Research and Technological Applications. Address: Research Area, New Borg El-Arab, Post Code 21934, Alexandria, Egypt. Mobile No.: +2 01112727468 E-mail: salahmaa@gmail.com Important links: No</p>
EDUCATION	<ul style="list-style-type: none"> ● Ph.D. (2003), Department of Molecular Animal Breeding, Institute of Animal Science, Faculty of Agriculture and Horticulture, Humboldt University, Berlin, Germany. ● M.Sc. (1996), Department of Genetics, Faculty of Agriculture, Ain Shams University, Cairo, Egypt. ● B.Sc. (1990), Department of Genetics, Faculty of Agriculture, Assiut University, Assiut, Egypt.
ACTIVITIES	<p>Scientific Activities</p> <ul style="list-style-type: none"> ● Effect of low frequency electromagnetic field (LF-EMFs) on human health (especially cancer diseases). ● Study the possibility of breast cancer treatment using compounds extracted from medicinal plants. ● Mapping of quantitative trait loci (QTL) affecting production traits on different chromosomes in farm animals using microsatellite markers. ● Improvement of quantitative production traits (meat, milk, fertility and wool) in farm animals using marker-assisted selection (MAS). ● Detection of adulteration and identification of meat and milk species plus genetically modified organisms (GMOs) using molecular genetics techniques. ● DNA fingerprinting and national animals and plants genetic sources preservation. <p>Administrative Activities</p> <ul style="list-style-type: none"> ● Head of Nucleic Acid Research Department from 12/12/2011 to 24/12/2016. ● Head of Nucleic Acid Research Department from 03/10/2017 until now. <p>Extra-curriculum Activities List your Extra-curriculum Activities here... e.g. (Leadership, Community services & Volunteer work)</p>

<p>GRANTS & AWARDS</p>	<p>List your Grants here...(start with the most recent) (Grant's Name – Date – Location)</p> <hr/> <p>Awards List your Awards here...(start with the most recent) (Award's Name – Date – Location)</p>
<p>LIST OF PUBLICATIONS</p>	<p>[1] Salah Abdel-Rahman, Yehia Mustafa, Hagar Abd Errasool, Hanim Heikal, Ayaat Elmaghraby (2019). FSHR (exon 10) gene polymorphisms and its association with fertility trait in Egyptian Ossimi sheep. <i>Biotechnology in Animal Husbandry</i>, 35 (2): 127-140.</p> <p>[2] Hamdy Swelim, Omnia Mansour, Salah Abdel-Rahman, Mohamed Shwaireb and Amani Kazem (2018). Relative Transcription Expression Level of SIRT1, SIRT2 and SIRT3 in Correlation to the Expression of a Set of Selected Cancer Related Genes in Human Breast Cancer. <i>OnLine Journal of Biological Sciences</i>, 18 (2): 147-157.</p> <p>[3] Sahar S. Ahmed, Salah M. Abdel-Rahman, Paul J. Grobler, Antoinette Kotzé (2018). Allelic diversity of DQA2 exon 2 gene in Egyptian goat populations. <i>Indian Journal of Animal Research</i>, 52: 1101-1106.</p> <p>[4] Azza Makhlof, A.M. Abd El-hady, S.M. Abdel-Rahman, A.M. El-Raffa (2018). Single-strand conformation polymorphism of myostatin gene linked to slaughter traits and some blood constituents in rabbits. <i>Egypt. J. Genet. Cytol.</i>, 47: 123-137.</p> <p>[5] Fayed Koutb, Salah Abdel-Rahman, Ehab Hassona, Amany Haggag (2017). Association of C-myc and p53 Gene Expression and Polymorphisms with Hepatitis C (HCV) Chronic Infection, Cirrhosis and Hepatocellular Carcinoma (HCC) Stages in Egypt. <i>Asian Pacific Journal of Cancer Prevention</i>, 18: 2049-2057.</p> <p>[6] Makhlof A., Abd El-Hady A.M., Abdel-Rahman S.M. and El-Raffa A.M. (2017). Analysis of rabbit growth hormone gene polymorphisms to evaluate its impact on live body weight, hemato and biochemical parameters. <i>Arab J. Biotech.</i>, 20 (2): 77-90.</p> <p>[7] Nadia Z. Shaban, Walaa A. Hegazy, Salah M. Abdel-Rahman, Olfat M. Awed, Sofia A. Khalil (2016). Potential Effect of Olea europea Leaves, Sonchus Oleraceus Leaves and Mangifera Indica Peel Extracts on Aromatase Activity in Human Placental Microsomes and CYP19A1 Expression in MCF-7 Cell Line: Comparative Study. <i>Cellular and Molecular Biology</i>, 62: 11-19.</p>

- [8] Salah Abdel-Rahman (2016). Detection of adulteration and identification of meat and milk species. LAP LAMBERT Academic Publishing, Düsseldorf, Germany, ISBN: 978-3-659- 5690-7 (Book).
- [9] Nadia Shaban, Salah Abdel-Rahman, Amany Haggag, Doaa Awad, Ahmad Bassiouny, Iman Talaat (2016). Combination between Taxol-encapsulated liposome and *Eruca Sativa* seed extract suppress mammary tumors in female rats induced by 7,12 dimethylbenz(α)anthracene. *Asian Pacific Journal of Cancer Prevention*, 17: 117-123.
- [10] Salah Abdel-Rahman, Nadia Shaban, Amany Haggag, Doaa Awad, Ahmad Bassiouny, Iman Talaat (2015). Inhibition of NF- κ B, bcl-2 and COX-2 genes expression by *Eruca Sativa* seeds extract in rat mammary gland carcinogenesis. *Asian Pacific Journal of Cancer Prevention*, 16: 8411-8418.
- [11] Ali S., N. Soliman, S. Abdel-Rahman (2015). Isolation and Molecular Differentiation of *Brucella* Isolates in Some Foods in Egypt. *Australian Journal of Basic and Applied Sciences*, 9: 103-109.
- [12] Abdel-Rahman S.M., A.M. Elmaghraby, A.S. Haggag (2015). Fast and sensitive determination of camel's and goat's meat and milk using species-specific genetic markers. *Biotechnology in Animal Husbandry*, 31: 415-423.
- [13] Abdel-Rahman S., A. Haggag, A. Elmaghraby (2015). Activation of PTEN tumor suppressor gene expression by *Eruca Sativa* seeds extract against rat mammary gland carcinogenesis induced by DMBA. *Australian Journal of Basic and Applied Sciences*, 9: 431-436.
- [14] Mustafa Y.A., Riad S.A., Abdel-Rahman S.M., El-Demellawy M.A., El-Messeiry S.M. (2015). The expression level of c-myc oncogene affected by exposure to low frequency electromagnetic fields (LF-EMFs) in mouse mesenchymal stem cells (MSCs). *Applied Cell Biology*, 4: 6-11.
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- [20] Abdel-Rahman, S.M., S.A. Hemeda, M.M. Fouda and A.I. Ateya (2011). Efficiency of bovine IGF-I gene in the improvement of milk productivity using marker-assisted selection (MAS). *Biotechnology in Animal Husbandry*, 27: 159 - 169.
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- [24] Salah M. Abdel-Rahman, Mohamed A. El-Saadani, Khallid M. Ashry and Amany S. Haggag (2009). Detection of Adulteration and Identification of Cat's, Dog's, Donkey's and Horse's Meat Using Species-Specific PCR and PCR-RFLP Techniques. *Australian Journal of Basic and Applied Sciences*, 3: 1716-1719.
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