

Curriculum Vitae
Osama Ahmed Mohamed Said

Mokkatam, Cairo.

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EDUCATION AND ACADEMIC QUALIFICATIONS

- Ph.D. Genetics, Ain Shams University (2012). Thesis title: "Genetic improvement of some important active ingredients in some medicinal plants".
- M. Sc. Genetics, Ain Shams University (2005). Thesis title: "Genetic characterization of some medicinal plants".
- B. Sc. in Genetics, Ain Shams University (1999).

PROFESSIONAL POSITIONS AND WORK EXPERIENCE

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| • From October 2020 to date | Head of Plant Biotechnology Department, College of Biotechnology, Misr University for Science and Technology. |
| • From December 2019 to date | Associate Professor of Genetics, Department of Plant Biotechnology, College of Biotechnology, Misr University for Science and Technology. |
| • From May 2012 to December 2019 | Assistant Professor Genetics, Department of Plant Biotechnology, College of Biotechnology, Misr University for Science and Technology. |
| • From October 2012 to March 2013 | Visiting Scientist at Animal Genetics Department, Faculty of Veterinary, Cordoba University (Spain), in the framework of FP7-IRSES project "Improving, Transference and Applicability of Knowledge in conservation and characterization technologies in cattle breeds from Egypt and the Iberian Peninsula". |
| • September 2005 to May 2012 | Teaching Assistant, College of Biotechnology, Misr University for Science and Technology. |

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| <ul style="list-style-type: none"> • 2001 to 2005 | <p>Research Assistant at Genetics and Cytology Laboratory, Desert Research Center.</p> |
| <ul style="list-style-type: none"> • 1999-2001 | <p>Junior Research Assistant at Ain Shams Center for Genetic Engineering and Biotechnology and the laboratories of Genetics Department, Faculty of Agriculture, Ain Shams University.</p> |

SCIENTIFIC AND ACADEMIC EXPERIENCE

I. International and National congress, conferences and workshops

- Participated in a training course entitled “Conservation of Plant Genetic Resources” organized by the Egyptian Desert Gene Bank (Desert Research Center, Sheikh Zouaid) in 2001.
- Attended the First International Conference in Egypt on Plant Tissue Culture and its application (2002).
- Participated as an instructor at several practical training courses in the field of Molecular Genetics and Genetic Engineering which took place at Faculty of Biotechnology (M.U.S.T.).
- Attended a workshop entitled “Molecular Diagnosis of Disease”, which took place at Faculty of Biotechnology (M.U.S.T.) on 27th to 31st of January 2008.
- Attended a workshop in “System Biology & its Bioinformatics tools” held at Faculty of Pharmacy, Cairo university, from 12th to 15th of December 2011.
- Attended a training course entitled “Conservation and Utilization of Cattle Genetic Recourses” Ain Shams University on the 27th of June to the 4th of July-2012.
- Attended a workshop entitled, “Next Generation Sequencing for Beginners”, Sponsored by CATTLECON-IKTA a Marie Curie Action, 10th of December 2012, Cordoba, Spain.
- Conference "BioVision Alexandria 2014, <http://www.bibalex.org/BVA2014>
- Conference & Forum "BioVision Lyon, France 2015, <http://biovision.inviteo.fr>
- Participated in the 2nd Danube Conference on Epigenetics from October 5th to 8th, 2016 in Budapest, Hungary.
- The Human Genetic Day 2019 At Fairmont Nile City Hotel, Cairo.
- Introduction To The Modern Knowledge Cycle And Cell Press Collection At Misr University For Science & Technology (MUST).
- Attended the 13th Breast-Gynecological & Immunooncology International Cancer Conference, 21-22 January 2021.

II. Membership of Research projects

- Molecular Genetic Diagnosis of H5N1 Virus via PCR. (2006 to 2007, M.U.S.T.)
- Molecular Genetic Diagnosis of G6PD Mutation in Egyptian Population (2006- 2008, M.U.S.T.)
- Molecular Genetic Diagnosis and Mutation Detection of the Egyptian H5N1 & H1N1 Viruses. (German Egyptian Research Fund, 2011-2013).

MEMBERSHIPS OF ACADEMIC AND SCIENTIFIC SOCIETIES

- The Egyptian Society of Genetics.
- Member of the Arab Society for Biotechnology.

POSITIONS HELD AT MUST

- Coordinator of the student's union election committee.
- Member, Cultural and Media committee.
- Coordinator of the Scientific research and scientific activities committee.
- Head of the Postgraduate examinations organizing committee

LANGUAGE / SPECIFIC SKILLS

- Have a very good command of English (Written and Spoken)
- Have a good command of German (Written and Spoken)

TEACHING EXPERIENCE

Participated in the teaching process in the following courses:

- Principles of Genetics
- Microbial Genetics
- Biochemical Genetics
- Animal Micro-techniques and Tissue Culture
- Molecular Genetics
- Genetic Engineering
- Biotechnology Seminars
- Research in Biotechnology

LIST OF PUBLICATIONS

- **H. Sabit, A. Farouk, O. Said, Maha Yehia and Aliaa Bishr (2011).** Molecular Characterization of Bifidobacteria and Lactobacillus and Their Role in Modulating Immune System and Alleviating Ulcerative Colitis in Mice. *Global Journal of Molecular Sciences* 6 (1): 09-14.
- **H. Sabit, O. A. M. Said, A. F. Shamseldin, Kholoud Elsayed (2011).** Molecular Identification of Acinetobacter Isolated from Egyptian Dumpsite as Potential Bacteria to Degrade Malathion. *International Journal of Academic Research* 3 (4): 84-90.
- **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.
- **Hussein Sabit, Arwa S. Abdel-Sattar, Shimaa E. Abdel-Ghany, Asmaa M. Abushady, Osama A. M. Said (2015).** Cyclophosphamide with Adjuvant Chemotherapeutic Drugs Induces Epigenetic Changes in Hepatocellular Carcinoma Cells. *Cancer Biology*, 5(4) 26 – 34.
- **Mohamed M.M. Ibrahim, Hussein H. Sabit, Mohammad A. El-Ghor, Osama A.M. Said, Maye M. Abdulatif, Nouran A. Yousef, Kholod E. Abo-Elkher, Moez M. Elsaadani, Omar S. Abd El-Ghaffar, Abeer E. Mohamed, Doaa A. Yousef, Marihan A. Ahmed, Silvia G. Kamel, Mounir M. Elsafty, Sahar E. Aoda, Najla Bint Saud Al-Saud, Shimaa E. Ibrahimf, Marwa A. AbdElrahman, Nagwa E. Khaleel, and Mokhtar M. Elzawahri (2016).** Molecular Genetic Diagnosis and Characterization of Egyptian H5N1 Viral Antigenic Genes. *Wulfenia Journal Klagenfurt, Austria*, V. 23, No. 1; 33-51.
- **Hussein Sabit, Mariam B. Samy, Osama A. M. Said, and Mokhtar M. Elzawahri (2016).** Procaine Induces Epigenetic Changes in HCT116 Colon Cancer Cells. *Genetics Research International*, 1-7.
- **Hussein Sabit, Mostafa Fathy, Shimaa E. Abdel-Ghany, Osama A. M. Said, Mokhtar M. El-Zawahry (2017).** Vorinostat Combined with DNA Methyltransferase Inhibitors Epigenetically Controls the Proliferation of

Lung Cancer Cells A549. International Journal of Science and Research (IJSR), 855 -860.

- **Hussein Sabit, Shimaa E. Abdel-Ghany, Osama A. M. Said, Mohamed A. Mostafa, Mokhtar El-Zawahry (2018).** Metformin Reshapes the Methylation Profile in Breast and Colorectal Cancer Cells. Asian Pacific Journal of Cancer Prevention. Asian Pac J Cancer Prev, 19 (10), 2991-2999.
- **Hussein Sabit, Shaimaa Nazir, Shimaa Abdel-Ghany, Osama A. Said, Eman W. Mohammed, Omnia M. Badawy, Ashraf El-zayyat, Amany I. Alqosaibi, Emre Cevik, Huseyin Tombuloglu, Mokhtar Elzawahri (2019).** Poly (ADP-ribose) Polymerase Promoter Hypermethylation Predispose Females to Breast Cancer. Asian Pacific Journal of Cancer Biology, 4 (1), 1-5.
- **Hussein Sabit, Doha Alaa, Nourhan Jamal, Sodfa Tarek, Magda Fouda, Bassant Maher, Abdel-Bary Prince, Shimaa E. Abdel-Ghany, Osama A. M. Said, Abdulrahman Sabry, and Mokhtar El-Zawahry (2019).** CRISPR/Cas9-based Editing of CDK4, p107, and TGF β 1 Genes in Human Breast and Lung Cancer Cells. Journal of Biomedical Science. Oncogen 2(3): 15.
- **Hussein Sabit, Katrine Farag; Shaimaa EAbdel-Ghany; Amany Alqosaibi; Emre Cevik; Huseyin Tombuloglu; Huseyin Bekir Yildiz; Ferhad Serag ElDeen; Osama Said; Mokhtar El-Zawahri (2019).** miRNA Profiling in MCF-7 Breast Cancer Cells: Seeking a New Biomarker. Journal of Biomedical Sciences, Vol.8 No.2:3.
- **Shaimaa Abdel-Ghany, Sara Raslan, Huseyin Tombuloglu, Aly Shamseddin, Emre Cevik, Osama A. Said, Engy F. Madyan, Mehmet Senel, Ayhan Bozkurt, Suriya Rehman & Hussein Sabit (2020).** Vorinostat-loaded titanium oxide nanoparticles (anatase) induce G2/M cell cycle arrest in breast cancer cells via PALB2 upregulation. 3 Biotech 10, 407.
- **Hussein Sabit, Shaimaa Abdel-Ghany, Zamzam Al-Dhafar, Osama A. Said, Jawad Ali Al-Saeed, Yousef Ahmed Alfehaid, Mohamed Aly Osman (2021).** Molecular characterization and phylogenetic analysis of *Rhynchophorus ferrugineus* (Olivier) in Eastern Province, Saudi Arabia, Saudi Journal of Biological Sciences, Volume 28, Issue 10, October 2021, Pages 5621-5630.
- **Ahmed M. Ramadan, Osama A. M. Said & Asmaa M. Abushady (2021).** Salinity stress reveals three types of RNA editing sites in mitochondrial

Nad7 gene of wild barley both in silico and in qRT-PCR experiments. Theor. Exp. Plant Physiol. <https://doi.org/10.1007/s40626-021-00225-x>.