

Hussein Sabit, PhD

Professor of Cancer Epigenetics,
College of Biotechnology, Misr University for Science and
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Professor of Cancer Epigenetics,
Chair, Department of Genetics, Institute for Research and Medical
Consultations (IRMC), Imam Abdulrahman Bin Faisal University,
Dammam, KSA.



PERSONAL INFOs

Name: Hussein Hassan Sabit Rashwan
Date of Birth: July 30 1974
Place of Birth: Cairo, Egypt
Business Address: College of Biotechnology, Misr University for Science and
Technology, Egypt.
Department of Genetics, Institute for Research and Medical
Consultations (IRMC), Imam Abdulrahman Bin Faisal University,
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SCOPE OF ACADEMIC

Current Interests

- Genome editing using CRISPR/Cas9 in Breast Cancer.
- Studying the anti-apoptotic genes and its relations with

Breast Cancer progression.

- Investigating the Epigenetic modulation in DNA methylation levels controlling carcinogenesis of Breast Cancer.
- Studying the chromatin remodeling as a main mechanism leading to cancer.

Prevoius Interests

- Working on bacterial genomes to get new insights regarding the production of bio-important substances.
- Applying the molecular approaches for using microbes to produce anticancer agents.

EDUCATION

- PhD, (Molecular Genetics) 2007, Ain Shams University, Cairo, Egypt.
- MSc, (Genetics) 2002, Ain Shams University, Cairo, Egypt.
- BSc, (Genetics) 1997, Ain Shams University, Cairo, Egypt.

PROFESSIONAL HISTORY

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| 2018-
Present | • Professor of Cancer Epigenetics, Institute for Research and Medical Consultations (IRMC), Imam Abdulrahman Bin Faisal University, Dammam, KSA. |
| 2017-
Present | • Professor of Cancer Epigenetics, College of Biotechnology, Misr University for Science and Technology, Cairo, Egypt. |
| 2014-2018 | • Vice Dean for Community Services, College of Biotechnology, Misr University for Science and Technology, Cairo, Egypt. |
| 2012-2017 | • Associate Professor of Genetics and Molecular Biology, College of Biotechnology, Misr University for Science and Technology, Cairo, Egypt. |

- 2007-2012 • Assistant Professor of Genetics and Molecular Biology, College of Biotechnology, Misr University for Science and Technology, Cairo, Egypt.
- 2002-2007 • Lecturer Assistant of Genetics and Molecular Biology, College of Dentistry & College of Biotechnology, Misr University for Science and Technology, Cairo, Egypt.
- 1997-2002 • Research assistant, ICGEB, Ain Shams University, Cairo, Egypt.

LEADERSHIP SKILLS

- I participated in the preparing the Postgrad Program at the College of Biotechnology, MUST, Egypt.
- I participated in the setting the Postgrad Program at IAU, KSA.
- During the last 10 years, I have been a member in the Postgrad and Scientific research Committee.
- During the last 8 years, I have been in charge as a team leader in the College accreditation program.
- I have held an executive position in the student exchange program for 5 years.
- For at least 10 years (2008-2018), I was in charge as a coordinator and director of the Community Services Committee.
- During the last 8 years, I was the secretary of the College Council.

COMMUNICATION SKILLS

- During my entire academic life (1997-now), I communicate with students and peers in the education and the research environment.
- I received -at MUST- several groups of international students from **Cuba, Turkey, Indonesia, Jourdan, Nigeria, Somalia, Argentina, Lithuania, Romania, Kurdistan, Ethiopia, Somalia, Oman** ... among others as trainees, for whom I offered lectures and tutorials.

INTERNATIONAL COLLABORATION

- I participated as **Co-PI** in 7 local and international collaborative research projects, for example:
 - Molecular Genetic Diagnosis and Characterization of Egyptian H5N1 Viral Antigenic Genes” funded from the Ministry of Higher Education and Scientific Research (**Egypt**) and the **German Government**.
- I served as **PI** in an international project include:
 1. Controlling Date Palm Red Weevil using CRISPR/Cas9-mediated Gene Drive. (in Collaboration with Prof. **Omar Akbari**, University of California, San Diego, **USA** and **Huseyin Tombuloglu**, **Turkey**). To be funded as Collaborative Research Projects, RDO, MOE, **KSA**.
 2. Screening the Epigenetic Pattern Changes in Saudi Female Breast Cancer Patients: A Step Forward towards Early Detection (in collaboration with **Manel Esteller**, Josep Carreras Leukemia Research Institute (IJC), Badalona, Barcelona, Catalonia, **Spain**) to be funded from RDO, MOE. **KSA**.
 3. Establishing a Mathematical Prediction Model for Early Warning of Breast Cancer using Epigenetic-Based Data Mining (in collaboration with **Emre Cevik**, Imam Abdulrahman Bin Faisal University, **KSA**) to be funded from KACST, **KSA**.

4. CRISPR/Cas9 approach to control Breast Cancer via activation of CDH1 in rats (in collaboration with **Fatma Al-Mulhim**, Imam Abdulrahman Bin Faisal University, KSA) to be funded from the DSR, IAU, KSA.
5. Characterization of PTEN and RASSF1A Methylation Landscape in Saudi Breast Cancer Patients (in collaboration with **Amany Alqosiabi**, Imam Abdulrahman Bin Faisal University, KSA) to be funded from DSR, IAU. KSA.

ADMINISTRATIVE EXPERIENCES

- From 2014-2018: Vice Dean for Community Services, College of Biotechnology, MUST, Egypt.
- From 2019-now: Chair, Dept. of Genetics, IRMC, IAU, KSA.

RESEARCH SKILLS

Genome editing *via* CRISPR technology, Chromatin remodeling assays, Real Time and conventional PCR, Cell line maintenance and tissue engineering, Methylation-based sequencing and MS-PCR, Cloning (expressional and molecular), Western blotting, RNAi handling and analysis (specially miRNA), Transfection protocols, MTT, Colony formation assay, Wound healing assay, Aorta ring assay, Trypan Blue assay, and Molecular Docking

SCIENTIFIC COMMUNITIES' MEMBERSHIPS

1. Member of the Middle East Molecular Biology Society (MEMBS)
2. Member of the International Environmental Mutagenesis Society (EMS), Canada
3. Member of Egyptian Genetic Society, Egypt
4. Member of Pan African Environmental Mutagen Society, South Africa
5. Member of Egyptian Environmental Mutagen Society, Egypt
6. Member of the Arab society of Biotechnology, Jourdan

TRAINING COURSES & WORKSHOPS

1. The role of Biotechnology in the conservation of genetic resources, Ain Shams University. **Egypt** 1998.
2. Application of PCR, Ain Shams University, **Egypt**, December 1998.
3. Conservation and characterization of Genetic Resources, Sheikh Zowayed, North Sainai. **Egypt**, October 2000.
4. Basics of Bioinformatics, MUST, **Egypt**, 2003.
5. Research Methodologies and its Application in Genetics research. Ain Shams University, **Egypt**, 2004.

6. Basics and application of molecular biology. Ain Shams University, **Egypt**, 2006.
7. Molecular Diagnosis of Cancer. MUST, **Egypt**, 2007.
8. Basics of genetic engineering. MUST, **Egypt**, 2007.
9. Basics and application of biotechnology. MUST, **Egypt**, June 2007.
10. International healthcare program. Dar-Essllam, **Tanzania**, 2008.
11. Writing scientific paper (Pan African Environmental Mutagen Society –PAEMS-, Fourth International Meeting. **South Africa**, 2008.
12. Development of a diagnostic kit to detect avian flu. MUST, **Egypt**, 2008.
13. Stem cell applications workshop (as trainer) the holding company for biological products, **Egypt**, 2010.
14. Student assessment and evaluation strategies (as trainer). MUST, **Egypt**, 2012.
15. Academic advising. MUST, **Egypt**, 2012.
16. Real time PCR, basics and applications. Training Course Istanbul, **Turkey**, 2012.
17. From gene to field, training course. MUST, **Egypt**, 2013.
18. Training of trainers (TOT)—Have been licensed as an Associate Trainer—**Egypt**, 2014.
19. Innovation generation for the healthcare products and services for Egypt. **Egypt**, 14-17 Feb. 2016.

20. The U.S.-Egypt S&T Joint Fund Global Lab to Market Forum. Cairo, **Egypt**, 6-7 Dec. 2016.
21. Writing & publishing high quality research article. IAU, Dammam, **KSA**, 9 March 2018.
22. Docker Workshop. IAU, Dammam, **KSA**, 18-19 March 2018.
23. E-Book searching. IAU, Dammam, **KSA**, 20 March 2018.
24. Training course for members of local committees of research ethics, Johns Hopkins Aramco Healthcare. Al-Dhahran, **KSA**, 8 April 2018.
25. Writing Systematic Literature Review. IAU, Dammam, **KSA**, 17 April 2018.
26. Endnote Desktop Workshop. IAU, Dammam, **KSA**, 24 April 2018.
27. Workplace-Based Assessment. IAU, King Fahd University Hospital, Al-Khobar, **KSA**, 25 April 2018.
28. Developing a Plan for Academic Program Assessment. Vice Presidency for Academic Affairs, IAU. Dammam, **KSA**, 2 Oct. 2018.
29. Scopus for Literature Searching and Research Impact, IAU, Dammam, **KSA**, 9 Oct. 2018.
30. Workshop on Web of Science. IAU, Dammam, **KSA**, 16 Oct. 2018.
31. How to Get Published in High Quality Journals, IAU, Dammam, **KSA**, Oct 12th, 2018.

32. EndNote searching strategies. IAU, Dammam, **KSA**, Dec 4th, 2018.
33. Animal Care and Use in Scientific Research. IAU, Dammam, **KSA**, March 21st, 2019.
34. How to publish in high impact factor journals. IAU, Dammam, **KSA**, March 26th, 2019.
35. Training course for members of local committees of research ethics. King Fahd Specialists Hospital, Dammam, **KSA**, Oct. 21st, 2019.
36. Writing a systematic review article, IUA, Dammam, **KSA**, Nov. 19th, 2019.
37. Key Performance Indicators in the E-learning Process. IAU, Dammam, **KSA**, Dec. 3rd, 2019.
38. Next generation sequencing and big data analysis symposium. Saudi Society of Medical Genetics and King Fahd Specialists Hospital, Dammam, **KSA**, Dec. 12th, 2019.
39. Research Quality and Process. Clarivate Analytics, IAU, **KSA**, Feb. 26, 2020.
40. Publication Ethics and research Misconduct. Clarivate Analytics, IAU, **KSA**, Feb. 27, 2020.
41. First Aid Online Workshop., Center of Community Medicine. IAU, **KSA**, March 1, 2020.
42. Derwent Innovation, Clarivate Analytics, online Webinar. IAU, **KSA**, March 9, 2020.

43. Research techniques and Tools, Clarivate Analytics, online Webinar. IAU, **KSA**, Nov. 24, 2020.
44. Models of Higher Education Practice Fit for a Post-Pandemic World. Online Webinar, IAU, **KSA**, Dec. 21, 2020.
45. Nature Research Academics: Effective Academic Writing. Online Webinar, MUST, **Egypt**, Jan. 10, 2021.
46. Nature Research Academics: Logical Manuscript Structure. Online Webinar, MUST, **Egypt**, Jan. 11, 2021.

INTERNATIONAL CONFERNCES

1. Prospective of Biotechnology in the Arab Countries **Egypt**, 2006.
2. Ain Shams University First Conference of Biotechnology, **Egypt**, 2006.
3. Pan African Environmental Mutagen Society (PAEMS) Fourth International Meeting, Cape Town, **South Africa**, 2008.
4. Biovision, Alexandria, **Egypt**, 2008.
5. The second Euro Mediterranean conferences of plant biotechnology, NRC, **Egypt**, 2009.
6. The first international conference of innovation in Biotechnology, Cairo University, **Egypt**, 2010.
7. The third international genetic engineering conference, Sharm El-Shiekh city, South Sinai, **Egypt**, 5-8 Oct. 2011.
8. The 42nd Annual Meeting of the EMS, Montreal, **Canada**, 15-19 Oct. 2011.

9. The sixth International Molecular Biology and Genetics Congress, Istanbul, Turkey, August 2012.
10. EMBO series: Chromatin and Epigenetics, Heidelberg, Germany, 8-12 May 2013.
11. The seventh International Conference on Environmental Development in the Arab Countries. Assuit University, Egypt. 23-25 March 2014.
12. The sixth MELODI conference, Barcelona, Spain, 7-9 Oct. 2014.
13. The second Middle East Molecular Biology Society Conference, Istanbul, Turkey, 17-20 Sep. 2015.
14. The second Danube Epigenetics Conference, Budapest, Hungary, 4-8 Oct. 2016.
15. The first Annual Conference on Molecular Biology and Biotechnology. Ain Shams University, Cairo, Egypt, 14-15 Oct. 2017.
16. Advances in Breast Cancer Research: Towards Precision Therapy, King Faisal Specialist Hospital & Research Centre, Riyadh, KSA, 7-8 Nov. 2018.
17. Era of Biotechnology and Personalized Medicine: The 5th international conference of Arab Society of Stem Cells & Molecular Biology. July 20-22, 2019, Cairo, Egypt.

LIST OF PUBLICATIONS

2021

1. Molecular Characterization and Phylogenetic Analysis of *Rhynchophorus ferrugineus* (Olivier) in Eastern Province, Hussein Sabit, Shaimaa Abdel-Ghany, Zamzam Al-Dhafar, Osama A. Said, Jawad Ali Al-Saeed, Yousef Ahmed Alfahaid,

- Mohamed Aly Osman. Saudi Arabia. Saudi Journal of Biological Sciences, 2021. <https://doi.org/10.1016/j.sjbs.2021.05.078>
2. **CRISPR/Cas9-mediated Activation of CDH1 Suppresses Metastasis of Breast Cancer in Rats.** Fatma Al-Mulhim, Amany I. Alqosaibib, Afnan Al-Muhnaa, Khalid Farid, Shaimaa Abdel-Ghany, Hamdy Rizk, Abdel-Bary Prince, Adaugo Isichei, **Hussein Sabit**. Electronic Journal of Biotechnology, 2021. <https://doi.org/10.1016/j.ejbt.2021.06.002>
 3. **Engineered EVs Mimetic Nanoparticles as Therapeutic Delivery Vehicles for High-grade Serous Ovarian Cancer.** Amal A. Al-Dossary, Essam A. Tawfik, Adaugo C. Isichei, Xin Sun, Jiahe Li, Abdullah A. Alshehri, Munther Alomari, Fahad A. Almughem, Ahmad M. Aldossary, **Hussein Sabit**, Abdulaziz M. Almalik. Cancers, 13, 3075, 2021. [10.3390/cancers13123075](https://doi.org/10.3390/cancers13123075).
 4. **Fate and impact of maghemite (γ -Fe₂O₃) and magnetite (Fe₃O₄) nanoparticles in barley (*Hordeum vulgare* L.).** Huseyin Tombuloglu, Norah Albenayyan, Yassine Slimani, Sultan Akhtar, Guzin Tombuloglu, Munirah Almessiere, Abdulhadi Baykal, Ismail Ercan, **Hussein Sabit** and Ayyar Manikandan. Environmental Science and Pollution Research, 2021. <https://doi.org/10.1007/s11356-021-15965-1>
 5. **The long-term impact of COVID-19 pneumonia on the pulmonary function of survivors.** Ayad Mohammed Salem, Noor Al Khathlan, Abdulelah Fawzi Alharbi, Turki Alghamdi, Saleh AlDuilej, Mohammed Alghamdi, Majed Alfudhaili, Ahmed Alsunni, Talay Yar, Rabia Latif, Nazish Rafique, Lubna Al Asoom, **Hussein Sabit**. International Journal of General Medicine.:14 3271–3280, 2021. [10.2147/IJGM.S319436](https://doi.org/10.2147/IJGM.S319436)
 6. **Knockdown of c-MYC Controls the Proliferation of Oral Squamous Cell Carcinoma Cells in vitro via Dynamic Regulation of Key Apoptotic Marker Genes.** **Hussein Sabit**, Huseyin Tombuloglu, Emre Cevik, Shaimaa Abdel-Ghany, Engy El-Zawahri, Amr El-Sawy, Sevim Isik, Ebtessam Alsuhaime. Int J Mol Cell Med, 10(1), 2021. [10.22088/IJMCM.BUMS.10.1.45](https://doi.org/10.22088/IJMCM.BUMS.10.1.45)
 7. **Development of multiplex real-time RT-PCR assay for the detection of SARS-CoV-2.** Huseyin Tombuloglu, **Hussein Sabit**, Ebtessam Al-Suhaime, Reem Al Jindan, Khaled R. Alkharsah, 2021. [10.1371/journal.pone.0250942](https://doi.org/10.1371/journal.pone.0250942)

8. **Multiplex real-time RT-PCR method for the diagnosis of SARS-CoV-2 by targeting viral N2, RdRP and human RP genes.** Huseyin Tombuloglu, **Hussein Sabit**, Ebtessam Al-Suhaimi, Hamoud Al-Khallaf, Juma Kabanja, Najat Al-Saleh. Res Sq preprint, 2021. <https://doi.org/10.21203/rs.3.rs-308136/v1>
9. **New insights on CRISPR/Cas9-based therapy for breast Cancer.** **Hussein Sabit**, Shaimaa Abdel-Ghany, Huseyin Tombuloglu, Emre Cevik, Amany Alqosaibi, Fatma Almulhim and Afnan Al-Muhanna. Genes and Environment, 43:15, 2021. [10.1186/s41021-021-00188-0](https://doi.org/10.1186/s41021-021-00188-0)
10. **The effect of Vorinostat (SAHA) and ERL on the expression profile of P21 and PARP in MCF-7 breast cancer cell line.** Maryam W. Aziz, Ghada M. Abd el Aziz, Mai Raslan, Walid Bakeer, Shaimaa Abdel-Ghany, and **Hussein Sabit**. Annals of Romanian Journal of Cell Biology, 25,6, 2021. ISSN:1583-6258
11. **Gut Microbiota Metabolites in Autistic Children: An Epigenetic Perspective.** **Hussein Sabit**, Husyin Tombuloglu, Shaimaa Abdel-Ghany, Emre Cevik, Surya Rehman, Noor B Almandil, Sanaa Rashwan, Mary Miu Yee Waye. Heliyon 7, e06105, 2021. <https://doi.org/10.1016/j.heliyon.2021.e06105>
12. **Temozolomide Modulates the Expression of miRNAs in Colorectal Cancer.** Amany I. Alqosaibi, Shaimaa E. Abdel-Ghany, and **Hussein Sabit**. Cancer Treatment and Research Communications, 100308, 2021. [10.1016/j.ctarc.2021.100308](https://doi.org/10.1016/j.ctarc.2021.100308)
13. **Triple Negative Breast Cancer in the Era of miRNA.** **Hussein Sabit**, Emre Cevik, Huseyin Tombuloglu, Shaimaa Abdel-Ghany, Guzin Tombuloglu, Manel Esteller. Critical Reviews in Oncology / Hematology 157, 2021. [10.1016/j.critrevonc.2020.103196](https://doi.org/10.1016/j.critrevonc.2020.103196)
14. **The effect of Vorinostat (SAHA) and ERL on the expression profile of P21 and PARP in MCF-7 breast cancer cell line.** Maryam W. Aziz, Ghada M. Abdel-Aziz, Mai Raslan, Walid Bakeer, Shaimaa Abdel-Ghany, and **Hussein Sabit**. Annals of R.S.C.B., 25, 6, 2021.

2020

15. **Titanium Oxide Nanoparticles Improve the Chemotherapeutic Action of Erlotinib in Liver Cancer Cells.** Shaimaa E. Abdel-Ghany, Eman El-Sayed, Nour Ashraf, Nada Mokhtar, Amany Alqosaibi, Emre Cevik, Ayhan Bozkurt, Eman W. Mohamed, **Hussein Sabit**. *Current Cancer Therapy Reviews*, Volume 16, Issue 4, 2020. [10.2174/1573394715666191204101739](https://doi.org/10.2174/1573394715666191204101739)
16. **Symmetric Supercapacitor Application of Anhydrous Gel Electrolytes Comprising Doped Tetrazole Terminated Flexible Spacers.** Seyda T. Gunday, Emre Cevik, Ismail Anil, Omar Alagha, **Hussein Sabit**, Ayhan Bozkurt. *Macromolecular Research*, 2020. <https://doi.org/10.1007/s13233-020-8150-9>
17. **Vorinostat-loaded titanium oxide nanoparticles (anatase) induce G2/M cell cycle arrest in breast cancer cells via PALB2 upregulation.** 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**. *3 Biotech* 10:407, 2020. doi: [10.1007/s13205-020-02391-2](https://doi.org/10.1007/s13205-020-02391-2)
18. **Malignant melanoma: Underlying epigenetic mechanisms.** **Hussein Sabit**, Feroze Kaliyadan, Ritesh G Menezes. *Indian J Dermatol Venereol Leprol*. 2020. [10.4103/ijdv.IJDVL_791_19](https://doi.org/10.4103/ijdv.IJDVL_791_19)
19. **Uptake, translocation, and physiological effects of hematite (α-Fe₂O₃) nanoparticles in barley (*Hordeum vulgare* L.).** Huseyin Tombuloglu, Yassine Slimani, Thamer Marhoon AlShammari, Muhammed Bargouti, Mehmet Ozdemir, Guzin Tombuloglu, Sultan Akhtar, **Hussain Sabit**, Khalid Rehman Hakeem, Munirah Almessiere, Ismail Ercan, Abdulhadi Baykal. *Environmental Pollution*, 266, 1, 2020. <https://doi.org/10.1016/j.envpol.2020.115391>
20. **Current scenario of COVID-19 in pediatric age group and physiology of immune and thymus response. Author links open overlay panel.** Suriya Rehman, Tariq Majeed, Mohammad Azam Ansari, Uzma Ali, **Hussein Sabit**, Ebtesam A. Al-Suhaimi. *Saudi Journal of Biological Sciences*, 27, 10, 2020. <https://doi.org/10.1016/j.sjbs.2020.05.024>

21. **Coronavirus diseases 2019: Current biological situation and potential therapeutic perspective.** Suliman Khan, Huseyin Tombuloglu, Sameh E. Hassanein, Suriya Rehman, Ayhan Bozkurt, Emre Cevik, Shaimaa Abdel-Ghany, Ghulam Nabi, Ashaq Ali, **Hussein Sabit**. *European Journal of Pharmacology* 886 173447, 2020. <https://doi.org/10.1016/j.ejphar.2020.173447>
22. **Direct electricity production from Microalgae Choricystis sp. and investigation of the boron to enhance the electrogenic activity.** Emre Cevik, Huseyin Tombuloglu, Ismail Anil, Mehmet Senel, **Hussein Sabit**, Sayed AbdulAzeez, J Francis Borgio, Mohammad Barghouthi. *International Journal of Hydrogen Energy*, 45, 19, 2020. <https://doi.org/10.1016/j.ijhydene.2020.02.077>
23. **microRNA-Based Vaccination and Treatment for COVID-19.** Shaimaa Abdel-Ghany and **Hussein Sabit**. *Current Trends in Vaccines and Vaccinology*, Volume: 3.1, 2020. [10.31021/ctvv.20203109](https://doi.org/10.31021/ctvv.20203109)
24. **A Wild Fomes fomentarius for Biomediation of One Pot Synthesis of Titanium Oxide and Silver Nanoparticles for Antibacterial and Anticancer Application.** Suriya Rehman, Romana Farooq, Rabindran Jermy, Sarah Mousa Asiri, Vijaya Ravinayagam, Reem Al Jindan, Zainab Alsalem, Manzoor A. Shah, Zafar Reshi, **Hussein Sabit**, and Firdos Alam Khan. *Biomolecules*, 10, 622, 2020. [10.3390/biom10040622](https://doi.org/10.3390/biom10040622)
25. **Size effect of iron (III) oxide nanomaterials on the growth, and their uptake and translocation in common wheat (Triticum aestivum L.).** Norah Al-Amri, Huseyin Tombuloglu, Yassine Slimani, Sultan Akhtar, Mohammad Barghouthi, Munirah Almessiere, Thamer Alshammari, Abdulhadi Baykal, **Hussain Sabit**, Ismail Ercan, Sezen Ozcelik. *Ecotoxicology and Environmental Safety*, 194, 110377. 2020. <https://doi.org/10.1016/j.ecoenv.2020.110377>
26. **Gold Nanoparticles Induce G2/M Cell Cycle arrest and Enhance the Expression of E-cadherin in Breast Cancer Cells.** Shaimaa Abdel-Ghany, Mennatallah Mahfouz, Nada Ashraf, **Hussein Sabit**, Emre Cevik, and Mokhtar El-Zawahri. *Inorganic*

and nano-metal chemistry.1728553. 2020.
<https://doi.org/10.1080/24701556.2020.1728553>

27. Iron oxide nanoparticles translocate in pumpkin and alter the phloem sap metabolites related to oil metabolism. Huseyin Tombuloglu, Ismail Anil, Sultan Akhtar, Halbay Turumtay, **Hussain Sabit**, Yassine Slimani, Munirah Almessiere, Abdulhadi Baykal. *Scientia Horticulturae*, 265, 109223. 2020.
<https://doi.org/10.1016/j.scienta.2020.109223>
28. Doxorubicin loaded on chitosan-protamine nanoparticles triggers apoptosis via downregulating Bcl-2 in breast cancer cells. Mohamed A. Abdel-Hakeem, Omnia M. Abdel-Haseb, Shaimaa E. Abdel-Ghany, Emre Cevik, **Hussein Sabit**. *Journal of Drug Delivery Science and Technology* 55, 101423. 2020.
<https://doi.org/10.1016/j.jddst.2019.101423>
29. Colorectal cancer: The epigenetic role of microbiome. **Hussein Sabit**, Emre Cevik, Huseyin Tombuloglu. *World J Clin Cases*, 7(22): 3683-3697. 2019. [10.12998/wjcc.v7.i22.3683](https://doi.org/10.12998/wjcc.v7.i22.3683)

2019

30. Alginate-guided size and morphology-controlled synthesis of MnO₂ nanoflakes. Sarah Asiri, Emre Cevik, **Hussein Sabit**, and Ayhan Bozkurt. *Soft Materials*, 1672192, 2019.
<https://doi.org/10.1080/1539445X.2019.1672192>
31. CRISPR/Cas9-based Editing of CDK4, p107, and TGFβ1 in Human Breast and Lung Cancer Cells. **Hussein Sabit**, Doha Alaa, Nourhan Jamal, Sodfa Tarek, Magda Fouda², Bassant Maher, Abdel-Bary Prince, Shaimaa E. Abdel-Ghany, Emre Cevik, Huseyin Tombuoglu, Osama A. Said, Abdulrahman Sabry, Afnan F Al-Muhanna⁵, Mokhtar El-Zawahri. *Oncogene* volume 2, issue 3, 2019. <https://doi.org/10.35702/onc.10015>
32. miRNA Profiling in MCF-7 Breast Cancer Cells: Seeking a New Biomarker. **Hussein Sabit**, Emre Cevik, Huseyin Tombuloglu, Katrine Farag, Osama AM Said, Shaimaa E Abdel-Ghany, Amany I Alqosaibi, Huseyin Bekir Yildiz, Ferhad Serag ElDeen,

Eman Wagih and Mokhtar El-Zawahri. Journal of Biomedical Sciences, 8 2:3, 2019. ISSN 2254-609X

33. **Cancer Epigenetics: Shifting to More Deep Action.** Hussein Sabit, Shaimaa Abdel-Ghany, Emre Cevik, Ferhad Serag El-Deen, and Mokhtar El-Zawahri. Nov Appro in Can Study. 2(5). NACS.000548, 2019.
<http://dx.doi.org/10.31031/NACS.2019.02.000548>
34. **Genome-wide identification of Lysin-Motif Receptor-Like Kinase (LysM-RLK) gene family in Brachypodium distachyon and docking analysis of chitin/LYK binding.** Guzin Tombuloglu, Huseyin Tombuloglu, Emre Cevik, and Hussein Sabit. Physiological and Molecular Plant Pathology. 106, 217–225, 2019. <https://doi.org/10.1016/j.pmpp.2019.03.002>
35. **Global Methylation Pattern Changes in Breast and Colorectal Cancer Cells Treated with Different Chemotherapeutic Drugs.** Sara S. Al-Taweel, Hussein Sabit, Hala Eissa, Shaimaa E. Abdel-Ghany, Ghada M. Nasr, and Mokhtar M. El-Zawahri. IAJPS, 06 (02), 4781-4789, 2019. ISSN 2349-7750
36. **CRISPR-mediated therapeutics: I. neurodegenerative diseases.** Hussein Sabit, Emre Cevik, Huseyin Tombuloglu, and Shaimaa Abdel-Ghany. IAJPS, 06 (02), 3912-3916, 2019. ISSN: 2349-7750
37. **Poly(ADP-ribose) Polymerase Promoter Hypermethylation Predispose Females to Breast Cancer.** Hussein Sabit, Shaimaa Nazir, Shaimaa E. Abdel-Ghany, Osama. A. M. Said, Ashraf El-Zayyat, and Mokhtar El-Zawahri. Asian pacific Journal of cancer Biology. APJCB. 4.1.1. 2019. [10.31557/APJCB.2019.4.1.1-5](https://doi.org/10.31557/APJCB.2019.4.1.1-5)
38. **Modulation of Epigenetic Profiles in Traffic Workers Exposed to Car Fumes in Egypt.** Shaat R, Abdel-Ghany SE, Nasr GM2, Hussein Sabit, and El-Zawahry M. Mol Biol, 7:4, 2019. 10.4172/2168-9547.1000225

2018

39. **Metformin Reshapes the Methylation Profile in Breast and Colorectal Cancer Cells.** Hussein Sabit, Shima E. Abdel-Ghany, Osama A. M. Said, Mohamed A. Mostafa and Mokhtar El-Zawahry. Asian Pac J Cancer Prev. 19(10), 2018. [10.22034/APJCP.2018.19.10.2991](https://doi.org/10.22034/APJCP.2018.19.10.2991)
40. **Electrochemical Glucose Biosensors: Whole Cell Microbial and Enzymatic Determination Based on 10-(4HDithieno[3,2-b:2'0',3'0'-d]Pyrrol-4-yl)Decan-1-Amine Interfaced Glassy Carbon Electrodes.** Emre Cevik, Alaaddin Cerit, Huseyin Tombuloglu, Hussein Sabit, and Huseyin Bekir Yildiz. Analytical Letters. 1521828. 2018. <https://doi.org/10.1080/00032719.2018.1521828>
41. **Antitumor Activity of Rosmarinic Acid Encapsulated in Chitosan Nanoparticles.** Yasmin Y. A. Darwish, Mohamed Abdelhakeem, Ahmed Ibrahim Abd El-Maksod, Hussein Sabit and Mokhtar El-Zawahri. Academic Journal of Cancer Research 11 (1): 01-08, 2018. [10.5829/idosi.ajcr.2018.01.08](https://doi.org/10.5829/idosi.ajcr.2018.01.08)
42. **Using SDS for Plasmid Curing to Study the Antibiotic Resistance of Bacteria Isolated from Acute Suppurative Otitis Media Subjects in Egypt.** Maryam Kotb, Maged Bahgat, Shabaan Hashem, Hussein Sabit and Marwan El-Bagoury. Rasayan J. Chem. Vol. 11, No. 1; 41-45, 2018. [10.7324/RJC.2018.1111958](https://doi.org/10.7324/RJC.2018.1111958)

2017

43. **Variation in Gene Expression of Leptin and Insulin-Like Growth Factor (IGF) in Response to Seasonal Variations in Camel.** Hend A. E. Ibrahim, Hussein Sabit, Asma M. Abushady, H. A. El-metwally, A. Z. Abdelsalam, and Alia El-Seoudy. Egypt. J. Genet. Cytol., 46: 61-73, 2017.
44. **Isolation and Characterization of Bacteria Causing Acute Suppurative Otitis Media in Egypt.** Maryam Kotb, Maged Bahgat, Shabaan Hashem, Hussein Sabit, and Marwan ElBagoury. Journal of Pure and Applied Microbiology. Vol. 11(4),1833-1837, 2017. <http://dx.doi.org/10.22207/JPAM.11.4.22>

45. Vorinostat Combined with DNA Methyltransferase Inhibitors Epigenetically Controls the Proliferation of Lung Cancer Cells A549. **Hussein Sabit**, Mostafa Fathy, Shiamaa Abdel-Ghany, Osama A. M. Said, Mokhtar M. El-Zawahry. International Journal of Science and Research, Volume 6 Issue 7, 2017.

2016

46. The Role of Sodium Phenylbutyrate in Modifying the Methylation of Breast Cancer Cells. **Hussein Sabit**, Aya T. El-Garhy, and Mokhtar M. El-Zawahry, International Journal of Scientific & Engineering Research, Volume 7, Issue 10, 2016. ISSN 2229-5518
47. Procaine Induces Epigenetic Changes in HCT116 Colon Cancer Cells. **Hussein Sabit**, Mariam B. Samy, Osama A. M. Said, and Mokhtar M. El-Zawahry. Genetics Research International. Volume 2016, Article ID 8348450, 2016. <https://doi.org/10.1155/2016/8348450>
48. Epigenetic Regulation of P21, RASSF1, PTEN, and P53 in Human Breast Cancer Cells using Different Chemotherapeutic Drugs. Sara Sobhy, Abdel-Wahab El-Ghareeb, Sherif Abdel-Aziz, and **Hussein Sabit**. Academic Journal of Cancer Research 9 (2): 26-34, 2016. 10.5829/idosi.ajcr.2016.9.2.10597
49. Molecular Genetic Diagnosis and Characterization of Egyptian H5N1 Viral Antigenic Genes. Mohamed M. M. Ibrahim, **Hussein Sabit**, Mohammad A. El-Ghor, Osama A. M. Said, Maye M. A. Khalifa, 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. Ibrahim, Marwa A. AbdElrahman, Nagwa E. Khaleel and Mokhtar M. El-Zawahry. Wulfenia. Vol. 23, No. 1; 2016.

2015

50. Cyclophosphamide with Adjuvant Chemotherapeutic Drugs Induces Epigenetic Changes in Hepatocellular Carcinoma Cells. **Hussein Sabit**, Arwa S. Abdel-Sattar, Shimaa E. Abdel-Ghany, Asmaa M. Abushady, and Osama A. M. Said. *Cancer Biology*. 5(4), 2015. [10.7537/marscbj050415.05](https://doi.org/10.7537/marscbj050415.05)
51. Immunomodulatory and antimicrobial efficacy of Lactobacilli against enteropathogenic infection of *Salmonella typhi*: In vitro and in vivo study. Basem Mazaya, Mohamed A Hamzawy, Mahmoud AF Khalil, Wael M Tawkol, and **Hussein Sabit**. *International Journal of Immunopathology and Pharmacology*, 1-10, 2015. [10.1177/0394632015592099](https://doi.org/10.1177/0394632015592099)

2014

52. Targeting Apollon via siRNA Induces Apoptosis in Different Human Malignancies. Layaly G. Mohamed, **Hussein Sabit**, Salwa Sabet, Reda El-Sayed Salem and Abdel-Wahab El-Ghareeb. *Academic Journal of Cancer Research* 7 (4): 233-238, 2014. [10.5829/idosi.ajcr.2014.7.4.8623](https://doi.org/10.5829/idosi.ajcr.2014.7.4.8623)
53. Biodegradation of Malathion by *Pseudomonas Spp.* and *Bacillus Spp.* Isolated from Polluted Sites in Egypt. Maryam W. Aziz, **Hussein Sabit**, and Wael Tawakkol. *American-Eurasian J. Agric. & Environ. Sci.*, 14 (9): 855-862, 2014. [10.5829/idosi.aejas.2014.14.09.867](https://doi.org/10.5829/idosi.aejas.2014.14.09.867)
54. Small Interference RNA-Mediated Down Regulation of Survivin Expression in Breast and Hepatocellular Carcinoma Cell Lines Cell Lines. **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. *World Journal of Medical Sciences* 10 (4): 421-426, 2014. [10.5829/idosi.wjms.2014.10.4.83224](https://doi.org/10.5829/idosi.wjms.2014.10.4.83224)

2013

55. SiRNA-mediated Down-regulation of Livin Expression in Breast Cancer Cells. **Hussein Sabit**, Mohamed M.M. Ibrahim and Nabil S. Awad. Academic Journal of Cancer Research 6 (2): 69-73, **2013**. [10.5829/idosi.wjms.2014.10.4.83224](https://doi.org/10.5829/idosi.wjms.2014.10.4.83224)

2012

56. Pharmacodynamic Activity of Probiotics on IgG and IgM in Immunodeficient Mice. Aly Farouk Shamseldin, Shaaban Hashem, Wael Tawakkol, **Hussein Sabit**, and Ingy Badawy. Arab Journal of Biotechnology, Vol. 15 (2), **2012**.
57. Construction and Genetic Evaluation of Stable Bacterial Biocontrol Agent via Protoplast Fusion. AA Hassan, RM Sayed, EE Ibrahim, **Hussein Sabit**, SA Ibrahim. Environmental and Molecular Mutagenesis. 52, S78-S78. **2012**.

2011

58. Molecular Characterization of Bifidobacteria and Lactobacillus and Their Role in Modulating Immune System and Alleviating Ulcerative Colitis in Mice. **Hussein Sabit**, Ali Farouk, Osama Said, Maha Yehia, and Aliaa Bishr. Global Journal of Molecular Sciences 6 (1): 09-14, **2011**.
59. Isolation, Characterization and Fingerprinting of Some Chlorpyrifos-Degrading Bacterial Strains Isolated from Egyptian Pesticides-Polluted Soils. Nabil S. Awad, **Hussein Sabit**, Reda Bayoumi, and Salah M. Abo-Aba. African Journal of Microbiology Research Vol. 5(18), pp. 2855-2862, 16, **2011**. <https://doi.org/10.5897/AJMR11.044>
60. Molecular Identification of Acinetobacter Isolated from Egyptian Dumpsite as Potential Bacteria to Degrade Malathion. **Hussein Sabit**, Osama A.M. Said, Ali F. Shamseldin, and Kholoud Elsayed. International Journal of Academic Research Vol. 3. No. 4. July **2011**.

61. Defensive Effect of Garlic as revealed by Molecular, Biochemical and Ultra Structure Print after Toluene Stress on Mice. Sahar Mosallam and [Hussein Sabit](#). Journal of American Science; 7(7). 2011.
62. Impact of Ultraviolet Radiation on the Genetic Background of Egyptian Freshwater Leech; *Barbronia assiuti*. Mohamed Mostafa, Naser El-Shimy, Zainab El-Bakry, and [Hussein Sabit](#). World Applied Sciences Journal 12 (11): 1974-1980, 2011.

[2010](#)

63. The Use of Real Time PCR Approach for Detecting Human Boca Virus (HBoV). Mohamed M.M. Ibrahim and [Hussein Sabit](#). Arab Journal of Biotechnology, Vol. 13 (2), 2010.
64. Molecular Characterization of Egyptian Isolates of Lactobacillus and Bifidobacterium. Shaaban Hashem, [Hussein Sabit](#), Magdy Amin, Wael Tawakkol, and Aly Farouk Shamseldin. Journal of American Science; 6(11) 2010.

BOOK CHAPTERS

Applications of CRISPR/Cas9 in Oil Crops to Improve Oil Composition. Samira Smajlovic, Azra Frkatovic, [Hussein Sabit](#), Huseyin Tombuloglu, and Turgay Unver. Oil Crop Genomics. Huseyin Tombuloglu, Turgay Unver Guzin Tombuloglu, Khalid Rehman Hakeem, editors, Springer, 2021.

AWARDS

Dr. Makram Muhanna for Creativity in Scientific Research: Life Science Call, 2017.

PUBLIC LECTURES & SEMINARS

1. **Cancer and carcinogenesis.** Faculty of Science, Mansoura University, Damietta Branch. 12 Apr. 2010.
2. **Stem cell research ethics.** Faculty of Science, Cairo University. 23 April 2011.
3. **Cell cycle and carcinogenesis.** Institute of Animal Production, ARC. 27 April 2012.
4. **Apoptosis: the secret of life.** Faculty of Pharmacy, Cairo University. 9 Nov. 2012
5. **The role of Biotechnology in Pharmaceutical Industry.** Faculty of Pharmacy, Cairo University. 16 Nov. 2013.
6. **Student assessment strategies.** College of Biotechnology MUST. 12 Aug. 2014.
7. **Epigenetics: is our diet important?** Institute of Animal Production, ARC. 17 Sep. 2015.
8. **Finding a research point.** Faculty of Medicine, Al-Azhar University. 9 Oct. 2015.
9. **Epigenetics and genomic imprinting.** Faculty of Agriculture, Ain Shams University. 6 April 2015.
10. **Biobusiness.** Faculty of Pharmacy, Cairo University. 27 April 2015.
11. **Personalized Medicine.** Faculty of Pharmacy, Cairo University, 10 Dec. 2015.
12. **Epigenetics era.** Egyptian Atomic Energy Authority. 29 Dec. 2015.
13. **CRISPR technology.** National Research Center. 17 March 2016.

14. **Scientific writing and presentation skills.** Faculty of Pharmacy MUST. 13 and 20 March 2016.
15. **Genome editing technology.** Egyptian Atomic Energy Authority. 29 March 2016.
16. **Human Evolution: an endless debate.** College of Biotechnology, 30 March 2016.
17. **miRNAs: A wide array of potentialities.** Arab contractor hospital. 21 April 2016.
18. **Online Webinar on CRISPR/Cas9.** MEMBS Educational Program. 21 May 2016.
19. **Epigenetics: deciphering the hidden code.** MUST Knowledge Center, Misr University for Science and Technology, 12 Dec. 2016.
20. **CRISPR-mediated disease curing.** 6th Biofans meeting, College of Medicine, Cairo University, 2 Feb. 2017.
21. **Epigenetics: The Unknown is being known.** The 2nd Arab Society for Stem Cell Conference, NRC, Cairo, Egypt. 7-9 Feb. 2017.
22. **Radiation and Epigenetics: concepts and applications.** Egyptian Atomic Energy Authority, 13 Feb. 2017.
23. **Genome editing tools.** Egyptian Atomic Energy Authority, 2 Mar. 2017.
24. **Biotechnology and the Future of the World.** Al-Sawy Culture Wheel, Cairo, 9 March 2017.
25. **Forensic Epigenetics: from theory to application.** College of Medicine, Assuit University, 8 Mar. 2017.
26. **Head Transplantation: the genetic implications and beyond.** College of Medicine, Misr University for Science and Technology, 10 Oct. 2017.
27. **Dietary Epigenetics.** National Center for Clinical and Environmental Toxicology, Cairo University, 28 Oct. 2017.
28. **Circadian Rhythm: the epigenetic role.** College of Medicine, Misr University for Science and Technology, 10 Nov. 2017.
29. **CRIPSR advances and future perspectives.** MUST Knowledge Center, Misr University for Science and Technology, 25 Dec. 2017.

30. **microRNA: from bench to application.** GIS Research Center, Giza. 5 Jan. 2018.
31. **Scientific Research from Lab to Market.** MUST Knowledge Center, Misr University for Science and Technology, 21 Jul. 2018.
32. **Cancer Epigenetics: Towards deep understanding of the disease.** Institute for Research and Medical Consultations, IAU, KSA. 28 Nov. 2018.
33. **Scientific Writing.** Misr University for Science and Technology, Egypt, July 17, 2019.
34. **Endnote: an introduction.** Misr University for Science and Technology, Egypt, July 17, 2019.
35. **Epigenetics: The ghost inside our genomes.** Misr University for Science and Technology, Egypt, July 22, 2019.

TAUGHT COURSES (Undergrad-MUST)

Principles of Genetics, Introduction to Biotechnology, Cell and molecular biology, General Biology I, General Biology II, Comparative Biology, Cytogenetics, Animal Molecular micro-techniques, Bioethics, Biosafety, Microbial Genetics, Commercial Biotechnology, and Presentation skills

TAUGHT COURSES (Postgrad)

Epigenetics (at MUST), Cell culture techniques (at MUST), Environmental mutagenesis (at MUST), Scientific writing (at MUST), Advanced presentation skills (at MUST), Molecular Biology (at IAU)

POSITIONS HELD

- 2018-2021
- Head, Dept. of Genetics, Institute of Research and Medical Consultation, Imam Abdulrahman Bin Faisal University, Dammam, KSA.

- 2007 - 2018
- Coordinator of Internal Reviewing Committee, Accreditation Committee, College of Biotechnology, MUST, Egypt.
 - Coordinator, Social Affairs Committee, College of Biotechnology, MUST, Egypt.

- 2008 - 2018
- Coordinator, Culture and Media Committee, College of Biotechnology, MUST, Egypt.
 - Member, Conference Organization Committee, College of Biotechnology, MUST, Egypt.

- 2011 - 2018
- Member, Bioethical Committee, MUST, Egypt.
 - Member, Postgrad Affairs Committee, MUST, Egypt.

- 2014 - 2018
- Member, lab affairs committee, College of Biotechnology, MUST, Egypt.
 - Vice Dean for Community Services, College of Biotechnology, MUST, Egypt.

- 2018-2019
- Member of the Ethical Committee, Bahia cancer Center.

RESEARCH PROJECTS

1. Co-PI, "Improvement of a diagnostic kit for Avian flu", AST, Egypt.
2. Team member, "Screening of G6PD in Egypt", AST, Egypt.
3. PI, "Multiple IAPs cassette designing as a therapeutic approach to control cancer", AST, Egypt.
4. PI, "Screening the Epigenetic Pattern Changes in Saudi Female Breast Cancer Patients: A Step Forward towards Early Detection", MOE, KSA.
5. Genome sequencing of garlic.
6. CRISPR/Cas9 approach to control Breast Cancer via activation of CDH1 in rats.
7. Development of fast multiplex SARS-COV-2 diagnosis
8. Direct electricity production by harvesting solar energy; Fabrication of novel high efficiency photo-anodes assembled photo-bioelectrochemical fuel cells.
9. A study on the telomere length for age estimation in a Saudi population.
10. Identification of Gut Microbiota Metabolites in Saudi Autistic Patients: A Step towards Customized Treatment.
11. microRNA-based vaccination and treatment against COVID-19.
12. miRnome profiling in patients with dental caries in Saudi population: Seeking a new biomarker.
13. Development and in-house production of COVID-19 new and novel diagnostic assays.

POSTGRD SUPERVISIONS

A total of 30 postgrad candidates as follows:

- **5** PhD. Candidates (at MUST, Egypt): fields include molecular microbiology, molecular pharmacology, CRISPR/Cas9 genome editing, cancer genetics, cancer epigenetics ... etc.
- **23** MSc. Candidates (in Egypt): fields include miRNA research, molecular microbiology, miRNA research, molecular pharmacology, CRISPR/Cas9 genome editing, cancer genetics, cancer epigenetics, molecular docking ... etc.
- **2** MSc. Students (at IRMC, KSA): in the field of cancer Biology.

OTHER SCIENTIFIC ACTIVITIES: BOOKS

TRANSLATED

1. **What is life? How chemistry become biology.** Addy Pross, (2014). Translated for the National Translation Center, **2015**.
2. **Biological mind: a philosophical introduction.** Justin Garson, (2015). Translated for the National Translation Center), **2016**.
3. **Stem cells An Insider's Guide.** Paul Knoepfler (2013). Translated for the National Translation Center, **2016**.
4. **The Age of Science** (Cornelia & Michael Bessie Series). Gerard Piel, (2001). Translated for the National Translation Center, **2019**.
5. **Pandemic, Publics, and narratives.** Mark Davis and Davina Lohm, (2020). Translated for the National Translation Center, **2020**.

ORIGINAL

6. **Botany and Genetics**, Misr University for Science and Technology, 2008.
7. **Scientific Research and the National Arab Security Issues** (in Arabic). Egyptian book organization, 2016.
8. **Breast Cancer, diagnosis, and treatment** (in Arabic), Ibdaa Publication and Translation, 2017.
9. **Adam: The Chimpanzee and the Common Ancestor** (in Arabic), Ibdaa Publication and Translation, 2018.
10. **CRISPR/Cas9 technology and its applications** (in Arabic), Academic Library, 2018.
11. **Breast Cancer, diagnosis, and treatment** (in Arabic), Ibdaa Publication and Translation, 2nd edition, 2019.
12. **6200 ways for failure and one way for success** (in Arabic), Ibdaa Publication and Translation, 2020.
13. **Adam: the myth of creation** (in Arabic), Ibdaa Publication and Translation, an edited and modified version of **Adam: The Chimpanzee and the Common Ancestor**, 2020.
14. **Coronaphobia** (in Arabic), Ibdaa Publication and Translation, 2020.
15. **CRISPR/Cas9: Revolutionizing the biological arena**. IAU Press, 2021.
16. **One hundred year from now** (in Arabic). General Egyptian Book Organization, Egypt. In progress.

Several scientific articles (from Scientific American and Nature) have been translated during the past 4 years. Here are some links:

**Translated
articles**

<http://www.ooloommagazine.com/Articles/ArticlesList.aspx?MID=141>

<http://www.ooloommagazine.com/Articles/ArticlesList.aspx?MID=136>

<http://arabicedition.nature.com/journal/2015/09/nature14636>

<http://arabicedition.nature.com/journal/2015/09/523532a>

TECHNICAL SKILLS

- Designing and supervising research points
- Writing for grants
- Fluent in English (writing & speaking)
- Licensed Associate Certified Trainer (IBTC- licensed)

SOCIAL ACTIVITIES

- Member in more than 6 Egyptian NGOs (for Christianity-Islam Dialogue and Poor & Homeless Aid)
- Former Member in Lions Club
- Former Member in RotarAct Club for youth
- Presenting scientific and political program on TV (some episodes links on YouTube):

<http://www.youtube.com/watch?v=suwJJKUfAY>

<http://www.youtube.com/watch?v=HTXjw8wAEKY>
<http://www.youtube.com/watch?v=cD-8uROqYmg>
<http://www.youtube.com/watch?v=pwETbwP40Xo>

OTHER INTERESTS

Writing 1. إنك سلمى وطني القادم، 2005
Poetry 2. ما تيسر من بكاء، 2008

Writing 3. حارة سردار، 2016
Novels

RESEARCH AND SOCIAL MEDIA IDENTIFIERS

Google Scholar scholar.google.com/citations?user=seoZyrQAAAAJ&hl=en
Researcher ID T-2084-2018
ResearchGate www.researchgate.net/profile/Hussein_Sabit2
ORCID orcid.org/0000-0001-9021-8334
Scopus ID 51864370000
LinkedIn sa.linkedin.com/in/hussein-sabit-871a3015b
Publons ID publons.com/researcher/1635165/hussein-sabit/
Facebook [Hussein Sabit](https://www.facebook.com/HusseinSabit)