

MEMORANDUM

TO: Library

FROM: Dr. Lotfi Gaafar
Dean of School of Sciences and Engineering

SUBJECT: Master of Science Thesis

DATE: January 18, 2023



Please find the attached signed copy of thesis submitted by Sara Hashish partial fulfillment of Master of Science in Global Public Health Degree, which has satisfied the requirements of the Global Public Health Graduate Program and is ready for binding and display in the library.

Name of student: Sara Hashish

Department: Global Public Health Graduate Program

Advisor: Dr. Mohamed Salama

Thesis title "Human Gut Microbiota and Parkinson's Disease in an Egyptian Population "

CC. Candidate
Department Chair
Registrar
Dean of Graduate Studies

The American University in Cairo
School of Sciences and Engineering

" Human Gut Microbiota and Parkinson's Disease in an Egyptian Population"

A Thesis Submitted by

Sara Hashish

To

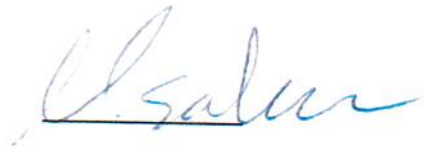
The Global Public Health Graduate Program

January 12, 2023

In partial fulfillment of the requirements for the degree of

Master of Science in Global Public Health
Has been approved by

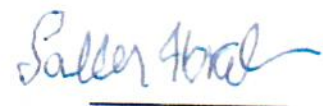
Dr. Mohamed Salama (Advisor)
Associate Professor and Associate Director
Institute of Global Health and Human Ecology (IGHHE)
American University in Cairo



Dr. Hassan El-Fawal (Internal Examiner)
Professor, Chair and Director
Institute of Global Health and Human Ecology (IGHHE)
American University in Cairo



Dr. Saleh Ibrahim (External Examiner)
Professor
Physiology and Immunology
Khalifa University



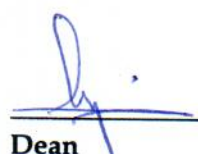
Dr. Sara El Farrash (External Examiner)
Assistant Professor
Medical Physiology, Faculty of Medicine
Mansoura University



Dr. Ahmed Moustafa (Moderator)
Professor
Biology Department
American University in Cairo



Graduate Program Director

January 17th, 2023
Date 
Dean

Jan 22, 2023
Date



THE AMERICAN UNIVERSITY IN CAIRO
الجامعة الأمريكية بالقاهرة

Proof of IRB Approval or Waiver for Completed Graduate Thesis

To be submitted with completed thesis and other forms requested below

All research involving living human beings or bodily tissue samples requires advance approval from AUC's Institutional Review Board (IRB). Each student's thesis advisor is responsible for ensuring that this form is filled in accurately. Until this form is completed and approved, the thesis cannot be posted on DAR, and the student is not eligible to graduate. *Please attach to this form, a copy of the IRB approval letter, the abstract of the student's thesis and thesis copyright and availability form.*

Student Name: Sara Hashish	Email: sarahashish@aucegypt.edu
AUC ID # 900142611	Mobile # 01111467161

Department/Unit: Institute of Global Health and Human Ecology

School: School of Sciences and Engineering

Thesis Title: Human Gut Microbiota and Parkinson's Disease in an Egyptian Population

Date: January, 12, 2023

Name of Thesis Advisor: Dr. Mohamed Salama

Thesis Advisor's Email: mohamed-salama@aucegypt.edu

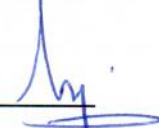
The advisor should check one of the following boxes.

IRB approval has already been obtained for this thesis. (Please attach a copy of the IRB approval letter.)

IRB approval is not necessary for this thesis, since the research is not concerned with living human beings or bodily tissue samples.

Signature of Student:  **Date:** January, 12, 2023

Signature of Thesis Advisor:  **Date:** January, 12, 2023

Name and Signature of School Dean:  **Date:** Jan 22, 2023

Step 1: Student to Department or Program which needs to submit to the Dean of the School:

- (1) The Proof of IRB Approval /Waiver together with a (2) copy of the IRB approval letter from IRB chair (3) thesis abstract and (4) the thesis copyright and availability form

Step 2: The Office of the Dean of the School needs to submit to the library:

The above four documents in addition to (5) the School Dean's memo (6) with the thesis final copy



To: Sara hashish
Cc: Sherihan Hassan
From: Atta Gebril, Chair of the IRB
Date: March 12 , 2021
Re: IRB approval

This is to inform you that I reviewed your revised research proposal entitled "**Human Gut Microbiota and Parkinson's Disease in Egypt**" and determined that it required consultation with the IRB under the "expedited" category. As you are aware, the members of the IRB suggested certain revisions to the original proposal, but your new version addresses these concerns successfully. The revised proposal used appropriate procedures to minimize risks to human subjects and that adequate provision was made for confidentiality and data anonymity of participants in any published record. I believe you will also make adequate provision for obtaining informed consent of the participants.

This approval letter was issued under the assumption that you have not started data collection for your research project. Any data collected before receiving this letter could not be used since this is a violation of the IRB policy.

Please note that IRB approval does not automatically ensure approval by CAPMAS, an Egyptian government agency responsible for approving some types of off-campus research. CAPMAS issues are handled at AUC by the office of the University Counsellor, Dr. Ashraf Hatem. The IRB is not in a position to offer any opinion on CAPMAS issues, and takes no responsibility for obtaining CAPMAS approval.

This approval is valid for only one year. In case you have not finished data collection within a year, you need to apply for an extension.

Thank you and good luck.

A handwritten signature in black ink that reads "Atta Gebril".

Dr. Atta Gebril
IRB chair, The American University in Cairo
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T: 02-26151919
Email: agebril@aucegypt.edu



Institutional Review Board
The American University in Cairo
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