

MEMORANDUM

TO: Library

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

SUBJECT: Master of Science Thesis

DATE: November 6, 2022



Please find the attached signed copy of thesis submitted by Abdelkadr Salih Ahmed in partial fulfillment of Master of Science in Nanotechnology Degree, which has satisfied the requirements of the Nanotechnology Graduate Program and is ready for binding and display in the library.

Name of student: Abdelkadr Salih Ahmed

Department: Nanotechnology Graduate Program

Advisor: Dr. Mayyada El Sayed

Thesis title Waste-derived hybrid nanocomposite for the simultaneous removal of antibiotics and dyes from water bodies

CC. Candidate
Department Chair
Registrar
Dean of Graduate Studies

The American University in Cairo
School of Sciences and Engineering

**“Waste-derived hybrid nanocomposite for the simultaneous
removal of antibiotics and dyes from water bodies”**

A Dissertation Submitted by

Abdelkadr Salih Ahmed

To the

Nanotechnology Graduate Program

October 22 2022

In partial fulfillment of the requirements for the degree of

Master of Science in Nanotechnology

Has been approved by

Dr. Mayyada El Sayed (Advisor)
Associate Professor, Department of Chemistry
American University in Cairo

Mayyada El Sayed

Dr. Tarek Madkour (Internal Examiner)
Professor, Department of Chemistry
American University in Cairo

tarek madkour

Dr. Sahar Kamal Mohamed (External Examiner)
Associate Professor of Physical Chemistry, Helwan University.

Sahar Kamal

Dr. Hatem Tallima (Moderator)
Assistant Professor & Graduate Pgram Director ,Department of Chemistry
American University in Cairo

Hatem Tallima

Nageh Allam
Graduate Program Director Date

Abdelkadr Salih Ahmed
Dean

Nov. 7th 2022
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: Abdelkadr Salih Ahmed **Email:** abdu192019@aucegypt.edu

AUC ID # 800183102

Mobile # 01113363096

Department/Unit: Nanotechnology M.Sc. Program

School: School of Sciences and Engineering

Thesis Title: "Waste-derived hybrid nanocomposite for the simultaneous removal of antibiotics and dyes from water bodies"

Date: 22/10/2022


Name of Thesis Advisor: Dr. Mayyada El-Sayed

Thesis Advisor's Email: mayyada@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: 22/10/2022

Signature of Thesis Advisor: 

Date: 10/24/2022

Name and Signature of School Dean: 

Karim G. Seddik

Date: Oct. 24, 2022

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