

PERSONAL DATA البيانات الشخصية

د. نادية م. حمدي م. الحفني
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Professor of Pharmaceutical Clinical Biochemistry & MB
(November 2017)
أستاذ الكيمياء الحيوية الاكلينيكية
الصيدلية والبيولوجيا الجزيئية (نوفمبر ٢٠١٧ م)
Biochemistry and MB Dept.
Faculty of Pharmacy, Ain Shams University
<https://www.asu.edu.eg/staffPortal/en/staffProfile/1010>



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EDUCATION المؤهلات العلمية

- **May 2003 - Aug. 2007** **دكتوراه الفلسفة في العلوم الصيدلية تخصص كيمياء حيوية**
[Philosophy Degree in Biochemistry] Faculty of Pharmacy, Ain Shams University, titled:
"Influence of Vitamin E Supplementation In Type 2 Diabetes Mellitus Patients Underwent Coronary Artery Bypass Graft; CABG"
- **Oct. 2000- Feb. 2003** **ماجستير العلوم الصيدلية تخصص كيمياء حيوية**
[Master Degree in Biochemistry] Faculty of Pharmacy, Ain Shams University, titled:
"Diagnostic Value of Urinary Molecular Markers in Bladder Cancer"
- **1993-1998** **بكالوريوس العلوم الصيدلية دور مايو إمتياز مرتبة شرف والأولي علي الدرجة**
[Bachelor of Pharmaceutical Science]
□ Faculty: Pharmacy. □ University: Al-Azhar, Nasr City, Cairo
□ Study Grades: Excellent/Honors /First

ACADEMIC JOBS HISTORY

تاريخ الوظائف الأكاديمية

16/9/2019-13/9/2023	Biochemistry Dept. Head	رئيس مجلس قسم الكيمياء الحيوية
25/12/2017	Professor of Biochemistry	أستاذ الكيمياء الحيوية
2017 to August/2023	FOPASU iHUB Staff and PG Co-ordinator	منسق لجنة الابتكار لأعضاء هيئة التدريس وطلاب الدراسات العليا بالكلية
25/11/2012 to 24/12/2017	Associate Professor of Biochemistry	أستاذ مساعد الكيمياء الحيوية
6/2015 to 2/2018	Postgraduates Control Head	رئيس كمنترول الدراسات العليا
30/10/2014 to 30/10/2016	Faculty Council Board Secretary	أمين سر مجلس الكلية
2015 to Sept. 2023	Faculty QA Unit Consultant	مستشار بوحدة ضمان الجودة
2015 to 2018	IT Unit Consultant	مستشار بوحدة تكنولوجيا المعلومات بالكلية
19/2/2013 to 2015	Acting as Biochemistry Dept. Head	قائم بعمل رئيس مجلس القسم
24/9/2013 to 15/2/2015	IT Unit Manager	مدير وحدة تكنولوجيا المعلومات بالكلية
10/2012 to 6/2015	Internal Audit Committee Head	مدير فريق المراجعة الداخلية بالكلية
24/09/2007 to 24/11/2012	Lecturer of Biochemistry	مدرس الكيمياء الحيوية بالكلية
9/2007 to-Date	Member of the Faculty of Pharmacy QA Unit	عضو بفريق عمل وحدة ضمان الجودة والإعتماد بالكلية
23/03/2003 to 23/09/2007	Assistant Lecturer of Biochemistry	مدرس مساعد
8/03/1999 to 22/03/2003	Demonstrator of Biochemistry	معيد الكيمياء الحيوية

CLINICAL EXPERIENCE

NON-ACADEMIC JOB ACTIVITIES HISTORY

النشاطات غير الأكاديمية

- Biology and Bioinformatics Trainer/Consultant at Protac Scientific [Drug Discovery Pro](#), Cairo, Egypt; 2023 & 2024
- **Scientific & Training Dissemination Consultant** at the [TRUST Research Center](#), Cairo, Egypt; 2017-to-2024
مستشار التدريب والتطوير بمركز ترست للأبحاث
- **Scientific & Training Consultant** at the [Advanced Research Center Egypt \(ARC\)](#) CRO Center; 2019-to-2023
مستشارا علميا لمركز الابحاث المتقدمة منذ ٢٠١٩ م
- Scientific & Training Development Consultant at the Military Veterinary Hospital, Cairo, Egypt; 2019-to-date
مستشارا علميا للتدريب بالمستشفى البيطري العسكري منذ ٢٠١٩ م
- Business Development Consultant (BDC) at one of the biggest Pharmacy Chains (Dawaae); 2018-2019
مستشار التطوير بشركة صيدليات دوائي ٢٠١٨-٢٠١٩ م
- **Business Development Committee Head** at the Arab Association of Pharmacy Progress NGO NPO (AAPP); 2019
رئيس لجنة تطوير العمل بالجمعية العربية لتطوير الصيدالة لعام ٢٠١٩ م

AREAS OF RESEARCH INTEREST

المجالات البحثية

الكيمياء الحيوية الإكلينيكية الصيدلانية (التخصص الدقيق) والبيولوجيا الجزيئية

Pharmaceutical Clinical Biochemistry and Molecular Biology

- Genetic Studies; polymorphisms studies in different diseases, genomics and epi/genetics of NCD & cancer (lung, colo-rectal, liver, pancreas, breast, leukemia, ..; the relationship of genes to cancer-cause or treatment success/failure or resistance, apoptosis and autophagy, and small molecules relation, Precision Health, multi-drug resistance (MDR) mechanism(s),..
- Biomarkers; Biological, Molecular and Immunological, and Small Biomarkers, in liquid biopsy, for diagnosis or prognosis, or disease mechanism,
- Immuno-Oncology; Lung, Breast and GIT (liver & Colo-rectal)
- Biotechnology; Regenerative Medicine, Cell Therapy, Bioremediation,
- Nano-Bio-technology, Drug Targeting, Drug Repurposing,
- *In silico* and Bio/Chemio-informatics analysis,

RESEARCH EXPERIENCE

Date	Experience
2019-Present	Pharmacogenomics Research Lab Director, Faculty of Pharmacy, ASU
2019-Present	Biochemistry Oncology Research Program Lab Director & Founder, Faculty of Pharmacy, ASU
2019-Present	ABRL Head & Founder (Advanced Biochemistry Research Lab), Faculty of Pharmacy, ASU
2014	Biochemistry (Epi)Genetics/(Epi)Genomics Research Director & Founder, Faculty of Pharmacy, ASU
2004-2007	Ministry of Higher Education <i>Ph.D. fellow in</i> Biochemistry, Ain Shams University, Faculty of Pharmacy
1999-2007	Graduate Research Assistant <i>in</i> Biochemistry, Faculty of Pharmacy, ASU

SUPREME UNIVERSITY COMMITTEE(S) MEMBERSHIP **عضوية لجان عليا بالجامعة**

Date	Committee
2021-to-Sept.2023	FOPASU higher supreme committee for postgraduate program اللجنة العليا لبرنامج الساعات المعتمدة بكلية الصيدلة ج عين شمس
2018-to-Dec. 2022	ASU International Publication Award Committee اللجنة العليا لمكافآت النشر الدولي بجامعة عين شمس
2018-to-July 2023	ASU iHUB Postgraduate's Coordinator, Faculty of Pharmacy لجنة مديري وحدات الإبتكار وريادة الأعمال بجامعة عين شمس عن كلية الصيدلة
Dec. 2020-Sept.2023	ASU Technology Transfer Unit (TTU) Member وحدة نقل التكنولوجيا والإبتكار
2013-2015	ASU IT Units Managers Committee لجنة مديري وحدات تكنولوجيا المعلومات

Board Member/Fellowship/Association Ambassador **زمالة/ عضو مجلس إستشاري/سفير رابطة**

Date	Membership/Fellowship/Association
2026	Scientific Research Committee Member in the Military Medical Academy عضوية لجنة أخلاقيات البحث العلمي بالأكاديمية الطبية العسكرية
2020-2024	European Association for Cancer Research EACR Ambassador #: EACR30475
2024	Natural Sciences Publishing membership # NSP240809
2023	Member of the Global Burden of Disease (GBD) Collaborator Network by Institute for Health Metrics and Evaluation (IHME) at University of Washington
May 2023	The Scientific Research Honor Society via AAAS; Elected Full Member: Sigma Xi; ID 20239991091 عضو منتخب مختار بجمعية "شرف البحث العلمي" عضوية كاملة
Dec. 2022	Bentham Ambassador سفير لدار النشر بنتام
August 2022	Academy of Scientific Research and Technology ASRT Fellowship; 2022 The National Committee of Drugs President رئاسة اللجنة الوطنية للأدوية تشكيل اللجنة الوطنية بقرار رئيس أكاديمية البحث العلمي والتكنولوجيا رقم (١٩٠) لعام ٢٠٢٢ م
April 2022	Advisory board member of the free not-for-profit multidisciplinary /Preprints/ platform https://www.preprints.org/advisory_board عضوية المجلس الاستشاري لمنصة "ما قبل القبول/النشر"
October 2021	Specialized Scientific Council for Research Ethics ASRT Fellow أخلاقيات البحث العلمي بالقرار الوزاري ١٤٥ إحدى المجالس النوعية المتخصصة بالأكاديمية
August 2021	International Fellowship Program in Arbitration and Scientific Assessment; Advisory Board by the American Research Foundation (ARF); The comprehensive global academic review platform عضو مختار بمجلس الزمالة الدولي / وبرنامج الزمالة الدولية للتحكيم والتقييم العلمي

PROFESSIONAL REGIONAL SOCIETIES/ORGANIZATIONS MEMBERSHIP

Date	SOCIETIES/ORGANIZATIONS
Since 2019	Arab Foundation of Young Scientists الرابطة العربية لشباب العلماء
Since Feb. 2019	Arab Women Leader; Membership # 459, by the Afro Asian Union for International Law and Disputes Settlement قيادات المرأة العربية
Since 2019	Arab Pharmacists Union (APU) إتحاد الصيادلة العرب
Since 2019	Scientific Committee Member of Arab Pharmacists Union Board /Council http://www.apharmu.com/Home/ArabicBoardMembers عضوية المجلس العلمي العام بالبورد الصيدلي العربي

PROFESSIONAL INTERNATIONAL SOCIETIES/ORGANIZATIONS MEMBERSHIP

عضوية جمعيات/منظمات علمية عالمية

Date	SCIENTIFIC SOCIETY/ORGANIZATION
2026	Middle East Society of Pharmacology and Experimental Therapeutics Membership ID# 2637
2024	Bioinformatics.org Basic membership membership #39 منظمة المعلوماتية الحيوية
2023	nanoHUB member#420692
2023	American Association of Clinical Oncology (ASCO) الرابطة الأمريكية ل الأورام الإكلينيكية
2023	American Society of Gene and Cell Therapy (ASGCT) الجمعية الأمريكية للعلاج الخلوي والجيني Member ID69826
2023	Clinical and Laboratory Standard Institute (CLSI) معهد المعايير السريرية والمخبرية Individual-Associate membership
2023	Regulatory Affairs Professionals Society (RAPS) جمعية محترفي الشؤون التنظيمية Id #73018
2023	International Society of Extracellular Vesicles (ISEV) الجمعية الدولية للحويصلات خارج الخلية Member #3510 & Member Type: Active Community Membership
June 2023	Drug Discovery World عالم إكتشاف الدواء
March 2021	European Society for Medical Oncology (ESMO) الجمعية الأوروبية لطب الأورام Membership no. 506356 https://esmo.force.com/esmo/s
Jan. 2021	Open Science Frame ; Author ID: 4587970 مركز العلوم المفتوحة
Dec. 2020	Digital Health and Patient Safety Platform (DHPSP) منصة سلامة المريض والصحة الرقمية https://digitalpatientsafety.com/members/
2020	Beyond Sciences Initiative (BSI) & BSI-RePub Mentor in Medicine Program
April 2020	Friend of the "Women for Africa" Foundation
2020	Organization of Women in Science in Developing Countries (OWSD) Member ID 10434 https://owsd.net/member/hamdy-nadia
Dec. 2019	Biochemical Society Membership Advancing Molecular Bioscience Member of the Federation of European Biochemical Societies (FEBS) & FEBS Fellowships مجتمع الكيمياء الحيوية
since 2019	American Association for the Advancement of Science (AAAS) Member No. 60170592 https://www.aaas.org/ الرابطة الأمريكية لتطوير العلوم
Since 2019	Federation of International Pharmacists (FIP) الإتحاد العالمي للصيادلة Member ID 37976 https://www.fip.org/
2019 2021	American Association of Pharmaceutical Scientists (AAPS) Member ID 261439 https://www.aaps.org/home الرابطة الأمريكية لعلماء الصيدلة [Sub-track Chair for Clinical Pharmacology for the 2020 PharmSci 360 Scientific Programming Committee] & [Sub-track member volunteer for Biomarkers and Precision medicine for the 2021 PharmSci 360 Scientific Programming Committee]

عضوية مجالس إدارات ولجان مركزية عليا محلية

SUPREME NATIONAL COUNCIL(S)/COMMITTEE(S) MEMBERSHIP

Date	COUNCIL(S)/COMMITTEE(S)
2022	Egyptian Association of Cancer Research (EACR) عضوية مجلس إدارة الجمعية المصرية لأبحاث السرطان
Dec. 2020- to-date	Central Committee of Ethics by Scientific Research at the Supreme Council of Universities' Hospitals القرار الوزاري ٥٨٤٩ اللجنة المركزية لأخلاقيات البحث العلمي بالمجلس الأعلى للمستشفيات الجامعية
Dec. 2020- to-date	Member of the Referees' lists for examining scientific production for the promotion to professorship and assistant-professorship, the 13 th and 14 th Committees (2019-2022, 2022-2025), Committee No. 94, Pharmaceutical Studies Sector, specialty in Pharmaceutical Chemistry and Biochemistry عضوية قوائم المحكمين، بالمجلس الأعلى للجامعات، لجنة رقم ٩٤ قطاع الدراسات الصيدلانية تخصص الكيمياء الصيدلانية والحيوية لفحص الإنتاج العلمي لشغل وظائف الأساتذة والأساتذة المساعدين الدورات الثالثة والرابعة والخامسة عشرة (٢٠١٩-٢٠٢٢ م و ٢٠٢٢-٢٠٢٥ م و ٢٠٢٥-٢٠٢٨ م) عضوية قوائم المحكمين لفحص الإنتاج العلمي لشغل وظائف الأساتذة والأساتذة المساعدين قطاع الدراسات الصيدلانية تخصص الكيمياء الصيدلانية والحيوية بالمملكة العربية السعودية (ج تبوك/ طيبة/ القصيم/ الطائف / أم القرى) عضوية قوائم المحكمين لفحص الإنتاج العلمي لشغل وظائف الأساتذة والأساتذة المساعدين قطاع الدراسات الصيدلانية تخصص الكيمياء الصيدلانية والحيوية بالمركز القومي للبحوث وهيئة الطاقة الذرية ومعهد تكنولوجيا الاشعاع ومعهد تيودور بلهارس للأبحاث
Nov. 2018- to-Nov. 2021	National Committee of Biochemistry and Molecular Biology NCBMB by ASRT عضوية اللجنة الوطنية للكيمياء الحيوية والبيولوجيا الجزيئية بأكاديمية البحث العلمي (زمالة)
Dec.19-Sept.20 Oct.20-to-2022	National Organization for Drug Control and Research Supreme Board Council; MOH, EDA بوزارة الصحة إدارة الهيئة القومية للرقابة والبحوث الدوائية عضوية مجلس الإدارة المركزية للرقابة على الأدوية بهيئة الدواء المصرية عضوية مجلس إدارة
Dec.2019- Sept.2022 July 2023-2024	NODCAR, EDA Postgraduates Committee Supreme Council مجلس الدراسات العليا بالهيئة القومية للرقابة والبحوث الدوائية بهيئة الدواء المصرية
2020	NODCAR Clinical Trials Committee لجنة الدراسات الإكلينيكية بالهيئة القومية للرقابة والبحوث الدوائية
Oct. 2019- April 2021	CAPA Central Administration of Pharmaceutical Affairs Pharmacoeconomics Committee لجنة الدراسات الإقتصادية بالإدارة المركزية لشؤون الصيدلة
Since 2019- to-date	Egyptian Association of Continuing Medical Education Development (EACMED) Scientific Board Member البيورد العلمي بالجمعية المصرية لتطوير التعليم الطبي المستمر

PROFESSIONAL NATIONAL SOCIETIES/ORGANIZATIONS MEMBERSHIP

Date	PROFESSIONAL NATIONAL SOCIETIES/ORGANIZATIONS MEMBERSHIP
Since 2021	The Egyptian Association of Cancer Research (EACR) Faculty of Science, Tanta University الجمعية المصرية لأبحاث السرطان
Since 2013	Arab Society for Stem Cells and Molecular Biology (ASSCMB) Biochemistry Dept., Faculty of Veterinary, Cairo University العربية للخلايا الجذعية والبيولوجيا الجزيئية الجمعية
Since 2010	Egyptian Society of Clinical Chemistry (ESCC) by the International Federation of Clinical Chemistry (IFCC) الجمعية المصرية للكيمياء الإكلينيكية "الراعية لعلوم التحاليل Faculty of Medicine, Cairo University والاتحاد العربي للبيولوجيا السريرية الطبية" ممثل مصر بالاتحاد الدولي للتحاليل الطبية
Since 2010	The Egyptian Society for Progenitor Cell Research/Egypt Stem Cells, Faculty of Medicine, Cairo University الجمعية المصرية لأبحاث خلايا المنشأ

Date	PROFESSIONAL NATIONAL SOCIETIES/ORGANIZATIONS MEMBERSHIP
Since 2007	National Society of Human Genetics in Egypt (NSHG) National Research Center الجمعية الوطنية للجينوم
Since 1998	The Egyptian Society of Laboratory Medicine (ESLM) Clinical Pathology Dept., Faculty of Medicine, CU الجمعية المصرية للطب المعملية
Since 1998	The Egyptian Society of Biochemistry and Molecular Biology (ESBMB) The Egyptian Society of Tumor Markers Oncology Diagnostic Unit, Faculty of Medicine, ASU الجمعية المصرية لدلالات الأورام
Since 1998	Egyptian Pharmaceutical Syndicate, Cairo نقابة صيدالة مصر

PATENCY submitted to ASRT/Innovative Applicable Research

التقدم للحصول علي براءة إختراع بأكاديمية البحث العلمي والتكنولوجيا

Presenting to ASRT in 12/2011 under the no. 2067/2011, titled: Preparing a Protein-Free Serum (Hemodialysate) from Human Umbilical Cord Blood for Use in Treating Wounds & Ulcers

Submitting to the NCBI/Nucleotide/ Gene bank in FEB 13th, 2022

Embarez,D.H., Abdelrazek, A.S., **Hamdy, N.M.** et al.

Streptomyces flavofuscus strain A2 16S ribosomal RNA gene, partial sequence

GenBank OM665325.1, VERSION OM665325.1

<https://www.ncbi.nlm.nih.gov/nucleotide/OM665325>

SOURCE Streptomyces flavofuscus, ORGANISM Bacteria; Actinobacteria; Streptomycetales; Streptomycetaceae; Streptomyces. REFERENCE 1 (bases 1 to 1397).

Streptomyces chrestomyceticus strain A1 16S ribosomal RNA gene, partial sequence

GenBank: OM665324.1, VERSION OM665324.1

<https://www.ncbi.nlm.nih.gov/nucleotide/OM665324>

SOURCE Streptomyces chrestomyceticus, ORGANISM Bacteria; Actinobacteria; Streptomycetales; Streptomycetaceae; Streptomyces. REFERENCE 1 (bases 1 to 1429).

Provisional Utility Patent Application with the United States (US) Patent and Trademark Office (USPTO)

Filed on: September 1st, 2025, Application Number: 63/873,753; Confirmation Number: 8435; Patent Center Number: 72098172.

Titled: Identification and Functional Validation of KNL1 as a Therapeutic Target in Hepatocellular Carcinoma through Integrated Bioinformatics and CRISPR/Cas9 Gene Editing, by Nermin Mahmoud, .., **Nadia M. Hamdy**, et al.

Filed on: January 11, 2025, Application Number: 63/744,189; Confirmation Number: 8771; Patent Center Number: 68697107. **Titled: Identification and Functional Validation of RRM2 as a Therapeutic Target in Hepatocellular Carcinoma through Integrated Bioinformatics and CRISPR/Cas9 Gene Editing**, by Lobna Ibrahim,, **Nadia M. Hamdy**, et al.

Book Editorial Board membership (2)

1. Springer Nature Book series Interdisciplinary Cancer Research (ICR) Electronic ISSN 2731-457X, Print ISSN 2731-4561 <https://www.springer.com/series/16833/editors>
2. From (Epi)genetics-to-Precision (E2P) Non-protein Coding RNAs (ncRNAs) a Step-toward Precision Medicine; Jan 2026, <https://link.springer.com/book/9783032085290>
Part of the book series: [Subcellular Biochemistry](#) (SCBI, volume 114)

Co-authored Book Chapters (14) published

فصل بكتاب

1. ***Nadia M. Hamdy, et al., (2024)***. Scrutinizing the Landscape of DNA Methylation Epigenetic Face(s) in Glioblastomas; in Nutraceutical Fruits and Foods for Neurodegenerative Disorders, Chapter 24, pages 467-504, <https://doi.org/10.1016/B978-0-443-18951-7.00025-6> Paperback ISBN: 9780443189517, eBook ISBN: 9780443189524, Elsevier Academic Press
2. ***Nadia M. Hamdy, et al. (2024)*** [Toward Applicability of Exosomal-ncRNA Precision vs Nanoparticles to the Brain in “Nanocarriers in Neurodegenerative Disorders: Therapeutic Hopes or Hypes”](#) Chapter 20, pages 293-307, DOI:10.1201/9781003383376-20, ISBN: 9781032467955, CRC Press Taylor & Francis Group, LLC
3. ***Nadia M. Hamdy, et al. (2024)*** [Toward Nano-drugs Precision for Neurodegenerative disease\(s\) or Glioma in “Nanocarriers in Neurodegenerative Disorders: Therapeutic Hopes or Hypes”](#) Chapter 22, pages 316-341, DOI: 10.1201/9781003383376-22, ISBN: 9781032467955, CRC Press Taylor & Francis Group, LLC.
4. ***Nadia M. Hamdy, et al. (2024)*** [MicroRNA: Exploring Their Multifaceted Role in Cancer.](#) In: Rezaei, N. (eds) [Cancer Immunology and Genetics: An Interdisciplinary Approach. Interdisciplinary Cancer Research](#), vol 23. Springer, Cham. Pages 515-592 https://link.springer.com/chapter/10.1007/16833_2024_389
5. ***Nadia M. Hamdy, et al. (2024)*** [CircRNAs: Orchestrating Obesity, Thermogenesis, and Obesity- Associated Cancer Pathways.](#) In: Rezaei, N. (eds) [Pathophysiology of Cancer: An Interdisciplinary Approach. Interdisciplinary Cancer Research](#), vol 22. Springer, Cham. Pages 259–301 https://link.springer.com/chapter/10.1007/16833_2024_468#citeas
6. Saleh, D.O.,, ***Hamdy, N.M. (2026)*** [Epigenetic Modulation of Immunity: Mechanisms, Implications, and Emerging Therapeutic Horizons; a Step Toward Epigenetics to Precision.](#) Chapter 1 In: M. Hamdy, N., S. Sultan, A., Kennedy, J.F. (eds) [From \(Epi\)genetics-to-Precision \(E2P\). Subcellular Biochemistry](#), vol 114. Springer, Cham. https://doi.org/10.1007/978-3-032-08530-6_1
7. Sherien M. El-Daly,, ***Nadia M. Hamdy et al. (2026)*** [The Intricate Interplay of Noncoding RNAs and the Gut Microbiome in Gastrointestinal and Endocrine-Related Cancers](#) Pages 61-121, Chapter 2 In: M. Hamdy, N., S. Sultan, A., Kennedy, J.F. (eds) [From \(Epi\)genetics-to-Precision \(E2P\). Subcellular Biochemistry](#), vol 114. Springer, Cham.
8. Maha M. Elbrashy, Sally Farouk, ***Nadia M. Hamdy, et al. (2026)*** [Unlocking the Epigenetic Landscape of Colorectal Cancer: A Step Toward Epigenetics to Precision](#) Pages 183-236, Chapter 4 In: M. Hamdy, N., S. Sultan, A., Kennedy, J.F. (eds) [From \(Epi\)genetics-to-Precision \(E2P\). Subcellular Biochemistry](#), vol 114. Springer, Cham.
9. Al-Aliaa M. Sallam,, ***Nadia M. Hamdy (2026)*** [Noncoding RNAs: A Novel Frontier in Liver Cancer Research and Therapy: Implications for Precision Oncology](#) Pages 237-297, Chapter 5 In: M. Hamdy, N., S. Sultan, A., Kennedy, J.F. (eds) [From \(Epi\)genetics-to-Precision \(E2P\). Subcellular Biochemistry](#), vol 114. Springer, Cham.
10. ***Nadia M. Hamdy, et al. (2026)*** [The Epigenetic Angle in the Precision Medicine Era for Blood Disorder Advancements](#) Pages 299-353, Chapter 6 In: M. Hamdy, N., S. Sultan, A., Kennedy, J.F. (eds) [From \(Epi\)genetics-to-Precision \(E2P\). Subcellular Biochemistry](#), vol 114. Springer, Cham.
11. ***Nadia M. Hamdy, et al. (2026)*** [A Comprehensive Guide on Epigenetics’ Precision Role in Uncommon “Rare” Cancers’ Biology and Treatment Frontiers](#) Pages 355-422, Chapter 7 In: M. Hamdy, N., S. Sultan, A., Kennedy, J.F. (eds) [From \(Epi\)genetics-to-Precision \(E2P\). Subcellular Biochemistry](#), vol 114. Springer, Cham.
12. ***Nadia M. Hamdy, et al. (2026)*** [An Overview of Targeting Some Cancer Hallmarks with Plant Polyphenols: A Step Toward Precision](#) Pages 423-477, Chapter 8 In: M. Hamdy, N., S. Sultan,

- A., Kennedy, J.F. (eds) From (Epi)genetics-to-Precision (E2P). Subcellular Biochemistry, vol 114. Springer, Cham.
13. Mostafa, A, **Nadia M. Hamdy, et al. (2026)** [Organoids as an Innovative Model for Tumor and Immune Cell Interactions: Implications for Immunotherapy](#). Chapter 4. In: Elbadri, N. (eds) [Regenerative Medicine Applications in Chronic Diseases](#). ISBN 978-3-032-12704-4. Part of the book series: [Stem Cell Biology and Regenerative Medicine](#) (STEMCELL, volume 80).
14. Salem, ML, ..., **Nadia M. Hamdy, et al. (2026)** [Phenotypic Signature of Leukemic Stem Cells and Their Signaling Pathways for Potential Targeting Strategies](#). Chapter 12. In: Elbadri, N. (eds) [Regenerative Medicine Applications in Chronic Diseases](#). ISBN 978-3-032-12704-4. Part of the book series: [Stem Cell Biology and Regenerative Medicine](#) (STEMCELL, volume 80).

Co-authored book chapters in-progress (2)

15. **Consider the Ethics; Nadia M. Hamdy, et al.** Chapter 5 in “Navigating Health Research: From Fundamentals to Advanced Practices in Study Design and Biostatistics” Book. Publication date Feb 2027, Elsevier Publisher
16. **The Clinical Implications of Research; Pompeo, Nadia M. Hamdy, et al.** Chapter 9 in “Navigating Health Research: From Fundamentals to Advanced Practices in Study Design and Biostatistics” Book. Publication date Feb 2027, Elsevier Publisher.

GRANTS

المشروعات البحثية الممولة

2022-2026 Consultant مستشار المشروع	German-Egyptian Research Fund (GERF) To STIFA “Colchicine as a Dual Treatment Option to Counteract Breast Cancer Progression and Doxorubicin-induced Cardiomyopathy” المشروع المصري-الألماني الممول من صندوق العلوم والتكنولوجيا والابتكار والDAAD
2023-2024 Co-PI ASU	Strategic-Plan Projects Grant “Genetic and Epigenetic Regulation of CYP2D6 in Hormone Receptor Positive Egyptian Female Breast Cancer Patients and their Association with Response to Endocrine Therapy” باحث بالمشروع البحثي الممول من أبحاث الخطة الإستراتيجية من ج. عين شمس /قطاع الدراسات العليا
2022-2023 P.I ASU	Strategic Plan Projects Grant “Study of Novel Exosomal Long Non-Coding RNA NAMPT-AntiSense, its Interrelation to NAMPT Protein as Potential Molecular Key Player(s) in Colorectal Cancer” الباحث الرئيسي المشروع البحثي من أبحاث الخطة الإستراتيجية ج عين شمس
2022 Chief Supervisor ASRT Graduation Project Fund المشرف الاكاديمي	Drug Design Program Students GP at the Biochemistry Dept., FOPASU, Year 2021-2022. Titled “Implication of Genetic Variations in Long Intergenic Non-coding RNA 00511 (LINC00511) in Colorectal Cancer” مشروع تخرج طلاب برنامج التصميم الدوائي بقسم ك الحيوية بصيدلة عين شمس لعام ٢٠٢١-٢٠٢٢ م تمويل أكاديمية البحث العلمي والتكنولوجيا ب "مشروع بدائتي"
2021-2023 ASU Team member Erasmus+EAC/A02/2019 grant	IMCert “Immune Modulation Certificate” IMCert for Post-Graduates enabled by Blended Learning عضو فريق ج عين شمس بالمشروع الممول من الاتحاد الأوروبي تعاون ٣ جامعات أوروبية اليونان وفرنسا وألمانيا + ٥ جامعات مصرية القاهرة/عين شمس/دمنهور/أسوان/الأزهر

GRANTS

المشروعات البحثية الممولة

Oct. 2020 - Sept. 2023 Team member PRIMA (by EU) Funded 2019 Project #44 Agro- Food Value Chain	MEDISMART Mediterranean Citrus: innovative soft processing solutions for S.M.A.R.T (Sustainable, Mediterranean, Agronomically evolved, nutritionally enriched, Traditional) products Funded jointly with STDF عضو الفريق البحثي بالمشروع الممول من الاتحاد الأوروبي وصندوق العلوم والتكنولوجيا والابتكار
2021-2024 Team member ASRT grant #5202- PRISM; Call 2/ 2019/ ASRT Health-2	“Combination of CRISPR-Cas9 with Computer-Aided Drug Design to Identify Specifically Targeted p38gamma and YAP as Potential Liver Anti-Cancer Agents Using an Integrative Bioinformatics, Virtual Screening, Experimental Approach” عضو الفريق البحثي بالمشروع الممول من أكاديمية البحث العلمي والتكنولوجيا
2020-2022 Supervisor Team member ASRT Scientists of Next Generation, 2019	To the Masters' student/Donia Hussien Embarez, at the Biochemistry Dept., Faculty of Science, ASU. Titled “Bioremediation of Acetaminophen by Bacterial strains” “المعالجة الحيوية للاسيتامينوفين عن طريق سلالات بكتيرية” مشرف بهيئة إشراف طالبة الماجستير المقيدة لتخصص كيمياء حيوية بكلية العلوم ج عين شمس / دنيا حسين الحاصلة على منحة علماء الجيل القادم النداء الأول لعام ٢٠٢٠ م
2020-2021 P.I ASU	Environment Sector Grant “Repurposing of Some Bioactive Natural Products to Control COVID-19 Infection: A Molecular Docking Study” الباحث الرئيسي بالمشروع البحثي التطبيقي الممول من ج. عين شمس / قطاع شؤون البيئة، بعنوان: إعادة استخدام لبعض المنتجات الطبيعية الحيوية لعلاج كوفيد
2011-2017	Supervising 2 Ph.D. fellowship from Ministry of Higher Education, in Biochemistry, Ain Shams University, Faculty of Pharmacy
2012-2016	Supervising 1 Ph.D. in collaboration with MIU, Egypt, USA researchers funded by University of Florida, Center of Pharmacogenomics, NIH grant U01 GM074492, IGNITE Network grant U01 HG007269 & AHA fellowship grant no. 14PRE20460115.
2004-August 2007	I was a Ph.D. fellowship, in Biochemistry, from Ministry of Higher Education, Ain Shams University, Faculty of Pharmacy

Previous GRANTS/PROJECTS FUNDED Finished PH.D. Studies Funded

المشروعات البحثية المنتهية الممولة لخدمة المجتمع رسائل دكتوراه الفلسفة الممولة المنتهية

#	Ph.D. Title/ Candidate name /Univ.	Grant/Project Name/ No.	Publication(s) Title
1.	Biomolecular Study of Human Thymidylate Synthase Inactive Conformer Inhibitors as a New Chemotherapeutic Approach; Hekmat El Magdoub; MIU	Misr International University MIU, Faculty of Pharmacy, and ASU, Egypt, MOU and joint training program with University of South Carolina, USA (Dec. 2011-Nov. 2014).	Biomolecular study of human thymidylate synthase conformer-selective inhibitors: New chemotherapeutic approach, El-Mesallamy HO, ... , Hamdy NM , Schaalán MF, Hammad LN, Berger SH, PLoS One. 2018 Mar 14;13(3):e0193810. https://doi.org/10.1371/journal.pone.0193810 + ..., Nadia M. Hamdy, et al. , Lead Chemotypes for allosteric inhibition of human thymidylate synthase: A focus on some PDPA isosters, Al-Azhar journal of Pharmaceutical Science; June 2014

#	Ph.D. Title/ Candidate name /Univ.	Grant/Project Name/ No.	Publication(s) Title
2.	The Association of Genetic Variants and Non-Genetic Factors with efficacy of clopidogrel in the Egyptian Population; Basma Khalil; MIU	BM Khalil supported by Misr International University MIU, Faculty of Pharmacy, and Ain Shams University, Egypt, MOU and joint training program with University of Florida, Center of Pharmacogenomics and NIH grant U01 GM074492 and IGNITE Network grant U01 HG007269 M.H. Shahin supported by the American Heart Association AHA fellowship grant no. 14PRE20460115. M.H.M. Solayman funded by a grant from the Embassy of the Arab Republic of Egypt (Dec. 2011-Nov. 2014).	Genetic and Nongenetic Factors Affecting Clopidogrel Response in the Egyptian Population, Khalil BM, ..., Hamdy NM , El-Hammady WA, Johnson JA, Clin Transl Sci. 2016 Feb;9(1):23-8 DOI: 10.1111/cts.12383
3.	Studying the correlation between ATP Binding Cassette Transporter(s) and Dipeptyl Peptidase-4 in Obesity; Ahmed Mostafa; ASU	Egyptian Joint Supervision Missions Department of the Ministry of Higher Education, Cairo, Egypt, between Faculty of Pharmacy, ASU and University of Texas Medical Branch; USA (August 2015 to March 2017).	2 papers https://doi.org/10.1002/iub.1510 https://doi.org/10.1016/j.bbrc.2015.11.054 + 2 conferences posters

المدرسة العلمية الحاصلين باشرافي علي درجات جامعية عليا (ماجستير /دكتوراة) **Scientific School**
Ph.D. Thesis Supervised since 2008-to-date (14 completed and 3 on-going)
عدد ١٤ رسالة دكتوراه الفلسفة بالعلوم الصيدلانية تخصص كيمياء حيوية أجزت منذ عام ٢٠١٤م الي الآن
رسائل الدكتوراه الجاري العمل بها عدد ٣ رسالة

On-Going Ph.D. Thesis Title	Researcher Name; Affiliation
Cross talk between Covid-19-associated cytokine storm and oncogenic STAT3 signaling pathways in non-small-cell lung cancer; A combined treatment strategy by Colchicine and Rosiglitazone	Monica A. Guirguis Bio. Dept., Faculty of Science, Alex. Univ.
Biochemical Dissection of Inflammasome and Redox Pathways During Colchicine Repurposing to Prevent Doxorubicin-Induced Cardiotoxicity	Rana Mamdouh; FOPASU
Implication of CNOT7–TOB1 Axis in Metastatic Liver Cancer Progression; a Clinical Insight Study with Bioinformatics Analysis	Mona Magdy FOPASU

Master Thesis Supervised since 2008-to-date (29 completed and 1 on-going)

عدد ٢٩ رسالة ماجستير أُجيزت منذ عام ٢٠١٠م الى الآن، رسائل الماجستير الجاري العمل بها عدد ١ رسالة

On-Going Master's Thesis Title	Researcher Name; Affiliation
Pioglitazone Modulatory Effect on Tumor Immune Microenvironment via Heat Shock Protein 90 Crosstalk to Immune-Checkpoint Protein(s)	Merihane Essam TA, FOPASU

International Journal's Associate Editorial Board Member & Guest Associate Editor (10)

عضوية هيئات التحرير العلمية الدولية

Journal Name اسم المجلة	I.F/Q	Publisher الناشر
Phytomedicine (PHYMED)	8.3/Q1	Elsevier
Cancer Drug Resistance (CDR)	5.2/Q1	https://www.oaepublish.com/cdr/editor/11887
Postgraduate Medical J (PMJ)	5.1/Q1	Oxford Academic
PLOS ONE ; Biochemistry/Oncology/Genetics	3.75/Q2	Public Library Of Science; https://journals.plos.org/plosone/static/editorial-board
Phytomedicine Plus	3.45/Q2	Elsevier
Frontiers in Oncology ; Section Gastrointestinal Cancers Guest Associate Editor Associate Editor	6.244/Q2	Frontiers; Switzerland https://loop.frontiersin.org/people/756292/editorial
Open Life Sciences (OLS) Biomedical Sciences; Biochemistry	2.2/Q2	De Gruyter
BMC Genomics	3.7/Q2	Springer Nature
World J of Oncology	2.2/Q2	ELMER PRESS
Preprint advisory board member	-	https://www.preprints.org/advisory-board

Member of the Advisory Board of the Peer-reviewed Scholarly Journal

International Journal of Cancer & Biomedical Research

IJCBR Online <https://jcbr.journals.ekb.eg/> ISSN 2682-2682

Archives of Pharmaceutical Sciences Ain Shams University

APS ASU <https://aps.journals.ekb.eg/> (ISSN: 2356-8380) with Editorial manger via EKB, 2015

Grants Peer Reviewer

Date	National Grants Peer Reviewer
2026	ASRT
2024	STDF PGSP
2020-2025	STDF Egypt-China

Date	International Grants Peer Reviewer
Dec. 2023	Breakthrough Cancer Research ; Irish medical charity funding research on poor prognosis cancers; A call for in collaboration with Health Research Board; application titled "Investigation of novel protein and miRNA targets and biomarkers in human pancreatic cancer"

التحكيم والمراجعة للمجلات العلمية الدولية
<https://publons.com/researcher/1454984/prof-nadia-hamdy/>

SCIENTIFIC APPRECIATION

Date	HONORS AND DISTINCTION
2026	Top pre-recorded presentation award in the Beyond Science Initiative 11th Science and Society Conference Feb. 2026; For Presenting " piRNA-823 and Its Downstream Targets as a Potential Biomarker and Therapeutic Axis in Ovarian Cancer: Integrative Computational and Clinical Insights " https://www.beyondsciences.org/
Dec. 2025	Obada International Award for Distinguished Scientists 2025 in the Arab World https://www.asu.edu.eg/9421/news/ain-shams-university-wins-two-awards-in-the-obada-international-award-for-outstanding-researcher-at-the-arab-level-for-2025
Sept. 2025	Top 2% Scientists By Stanford Ranking
May 2025	ASU Appreciation Award in Technological Sciences جائزة جامعة عين شمس التقديرية بالعلوم التكنولوجية عن العام ٢٠٢٤ م
April 2025	"Lifetime Achievement in Research" by Global Research Conference April 2025
March 2025	Work, published in Journal of Cellular Physiology, is among the j top 10 most- cited papers published by the journal in 2023
Feb. 2025	TOP LIVE PRESENTER Honorary Award in honour of James R. Carlyle in the Beyond Science Initiative 10th Science and Society Conference Feb. 2025; For Presenting "Oncogenic LINC00511 Haplotype Implication in Egyptian's BC Susceptibility and Survival; a Step toward Precision Health" https://www.beyondsciences.org/
Feb. 2025	TOP Poster Honorary award in the Beyond Science Initiative 10th Science and Society Conference Feb. 2025; For Presenting "Targeted Gene Editing using CRISPR-Cas9 for Modulation of Liver Cancer Signaling Pathways: Promising <i>in vitro</i> Findings" https://www.beyondsciences.org/
2024	Category: State Awards (Academy of Scientific Research) 2023 Award: Dr. Shawky Al-Haddad Award for Cancerous Oncology جائزة الدولة للأفراد ٢٠٢٣ م جائزة اد/ شوقي الحداد بمجال الأورام السرطانية
2023	Wendy Havran Honorary Mention Certificate Award at the 8th Beyond Science Initiative (BSI) Online Int. Conference; For presenting; "Elevated Non-coding NNT-AS1 relation to HSP90 in Colorectal Cancer Patients; The Story of Negative Correlation to hsa-miR-485-5p" Science & Society Conf., Feb. 25-26th, 2023 https://www.beyondsciences.org/conference2023/ https://www.beyondsciences.org/wp-content/uploads/Award_2023_pg1-scaled.jpg
2023-2022	Women of Egypt (WOE) Outstanding Academic and Life Achievements https://m.facebook.com/story.php?story_fbid=pfbid0mTUEiXT7kpxzQRwXMmKoZctBN8o5sbzbuw7g1fexcciunXjSCcearekMRxro3opSI&id=975082552586192
Sept. 2022	Best Researcher Award by the International Research Award 2022 on Science, Technology and Management; INSO and WAMS AWARDS
2018-now	ASRT Fellow
2017-now	ASU Fellow
2021	Paola Sassone-Corsi Top Presenter Award and Certificate at the 6th Annual Beyond Science Initiative BSI online International Conference: Science and Society Feb. 2021; Mahmoud M.M., Sanad E.F., Elshimy R.A., Nadia M. Hamdy , Circulating LncRNA LINC00511 from Newly Diagnosed Egyptian Breast Cancer Female Patients; A Tale of a Promising Diagnostic Molecular Biomarker (Oral PPT). https://www.beyondsciences.org/conference2021/
Date	HONORS AND DISTINCTION
2021	Certificate of Appreciation, a Shield of Recognition by October University of

	Modern Sciences and Arts (MSA) FOP , the second WHO Simulation Model international conference MWHO in Egypt and the Middle East; October 17 th , 2021. شهادة شكر ودرع التقدير من كلية الصيدلة جامعة أكتوبر للعلوم
2021	ASU Award for the First Best Scientific Graduation Project Research Topic by students 2021 and publishing A Systematic Rapid Review
2011-2021	Recognized by Expertscape.com For Insulin Resistance & Single Nucleotide Polymorphism expertise ranks in the Top 3.8%, 4.5% from 2011 through 2021, based on contributions to 8 articles on the topic/each, respectively
2020, 2022, 2023	Appreciation and Recognition by the Women of Egypt WOE, 2020, for the Outstanding Academic and Life Achievements though the whole career , being selected Among 100 women to be one of the Fourtyover40; 40over40 group by EVAcosmetics, November 2020, 2022, 2023 سيدات مصر ٤٠ فوق ٤٠ https://www.facebook.com/hashtag/woegypt_40over40campaign
2013-2023	For Single Nucleotide Polymorphism expertise ranks in the Top 5.1% from 2013 through 2023 , based on contributions to 7 articles on the topic. https://www.expertscape.com/au/polymorphism%2C+single+nucleotide/Hamdy%2C+N+M
2010-now	International scientific journals Certificates of Appreciation for Reviewing
2006-now	International Publications Award by ASU
2004-2007	Ministry of Higher Education fellow

SCIENTIFIC APPRECIATION

التقدير العلمي

Awards, Appreciation/Recognition Certificates and Shields of Excellence

جوائز - شهادات التقدير ودرع التميز

- Shield of Appreciation** From FOP Al-Azhr Univ. 2024
- Shield of Appreciation** From FOPASU at the 3 International faculty Conference, November 19-20th, 2023, giving a talk.
- Certificate of Appreciation, a Shield of Recognition by Veterinary Military Hospital for participation in the First Biotechnology and giving a lecture** "Biotechnology Application in the Pharmacy Field" October 10th, 2022, the Biotechnology Innovation Competition (BIC)
شهادة شكر ودرع التقدير من المستشفى البيطري للقوات المسلحة بالقاهرة
- Certificate of Recognition and Appreciation**, in the World's Pharmacists Day, September 25th, 2021, from Faculty of Pharmacy, ASU and the Arab Association for Pharmacists Progression AAPP
شكر وتقدير باليوم العالمي للصيدلي ٢٥ سبتمبر ٢٠٢١ م، من كلية الصيدلة
ج عين شمس والجمعية العربية لتطوير الصيدلة وبمشاركة بعض شركات الأدوية المحلية والعالمية
- Award by ASU, for the First Best Scientific Graduation Project Research Topic by DDP students 2021 FOPASU**
جائزة من جامعة عين شمس
الحصول علي المركز الأول بمشروعات تخرج طلاب برنامج التصميم الدوائي بنظام الساعات المعتمدة للعام الجامعي ٢٠٢٠-٢٠٢١ م، بأفضل محتوى لموضوع علمي لمشروع الطلاب يوليو ٢٠٢١ م
Susceptibility to and Severity of Covid-19 Infection and Outcome Through Scope with Epigenetic(s); A Systematic Rapid Review
<https://www.facebook.com/207441039290279/posts/4561284513905888/?d=n>
- Certificate of Appreciation, a Shield of Excellence and Award by ASU, FOP, for the First Best Scientific Graduation Project Research Topic by DDP students 2021 FOPASU**
من كلية الصيدلة جامعة عين شمس شهادة تقدير ودرع التميز
للحصول علي المركز الأول بمشروعات تخرج طلاب برنامج التصميم الدوائي بنظام الساعات المعتمدة للعام الجامعي ٢٠٢٠-٢٠٢١ م، بأفضل محتوى لموضوع علمي لمشروع الطلاب يوليو ٢٠٢١ م، بعنوان
Susceptibility to and Severity of Covid-19 Infection and Outcome Through Scope with

Epigenetic(s); A Systematic Rapid Review

<https://www.facebook.com/207441039290279/posts/4561284513905888/?d=n>

7. **Certificates of Appreciation and a Shields of Excellence** شهادات تقدير ودروع التميز
From the management of a number of conferences for contributing to the organization and publicity and/or arbitration of scientific posters, as well as giving lectures or charring sessions in a number of conferences 2014 to 2021; https://www.beyondsciences.org/about_bsi/ 2021 Youth Science Forum Jan. 2021, [BioNat6 2019](#), AIPC 2019

8. **Shield of Excellence, Gratitude and Certificate of Appreciation**
From FOPASU at the 2nd International faculty Conference, November 13-15th, 2018, being the *Conference Secretary General* <https://sites.google.com/a/pharma.asu.edu.eg/conference/>

9. **International Scientific Publication Awards from ASU** ج عين شمس مكافآت النشر الدولي
In distinguished International journals with a high impact factor and/or high eigen factor, from ASU Supreme Council, during the years 2008-to-date.

10. **A Certificate of Thanks and Appreciation**
شهادة شكر وتقدير من كلية الصيدلة ج عين شمس للحصول علي الاعتماد عام ٢٠١٢ م والتجديد ٢٠١٧ م
From the Faculty of Pharmacy, Ain Shams University for faculty accreditation for the first time in 2012 and for renewing accreditation in 2017.

11. **Certificate of Appreciation** from the Department of Biochemistry, College of Pharmacy, Boys branch, Cairo, Al-Azhar Univ. for arbitration and discussion of a number of master theses.

12. **Certificate of Appreciation** شهادة تقدير
من ج عين شمس للحصول علي المركز الأول لوحدة تكنولوجيا المعلومات بصيدلة عين شمس
From Ain Shams University for being the Director of the Information Technology Unit (ITU), FOPASU for attaining the first position among all IT units alllover the university colleges/faculties for the years 2014-2015 and 2015-2016.

13. **Shield of Gratitude** at graduation ceremonies for the years from 2006 to 2018, FOPASU.

14. **Certificates of Appreciation** from Drug Design Program, FOPASU since 2009, for participating in supervision or arbitration of graduation projects for 5th level students.

15. **Certificates of Appreciation** from international scientific journals for reviewing submitted manuscripts sent to these journals.

16. **Certificates of Appreciation** from international scientific journals for being a member of the editorial board for these journals.

SCIENTIFIC METRICS & Scientific Profile Pages/links/websites

SCOPUS <https://www.scopus.com/authid/detail.uri?authorId=57190847144>

ResearcherID [AAB-6087-2021](#) Web of Science Clarivate WOS

<https://www.webofscience.com/wos/author/record/AAB-6087-2021>

GOOGLE SCHOLAR <https://scholar.google.com.eg/citations?user=O5F8XSEAAAAJ&hl=en>

AD Scientific Index [ID 95437](#) ASU Medical and Health Sciences/Biochemistry

RESEARCH GATE <https://www.researchgate.net/profile/Nadia-Hamdy-3>

Semantic Scholar <https://www.semanticscholar.org/author/N.-Hamdy/2757243?sort=pub-date&pdf=true>

Science Direct <https://www.sciencedirect.com/author/57190847144/nadia-m-hamdy>

Pubmed https://pubmed.ncbi.nlm.nih.gov/?term=Hamdy+NM&cauthor_id=38043193&size=100

ORCHID iD <https://www.orchid.org/0000-0003-2105-107X>

SciProfile <https://sciprofiles.com/profile/707475>

Academia.edu <https://independent.academia.edu/ProfNadiaHamdy>

ScholarGPS <https://scholargps.com/scholars/66584338066168/nadia-m-hamdy>

Association Of Arab Universities Researchers Directory

<https://www.aaru.edu.jo/researchers/nadiam-hamdy/>

Science Leader <https://scienceleadr.com/membres/nadia-m-hamdy/public-profile/>

Preprint (8)

- [1] Goyzueta-Mamani LD,, **Nadia M. Hamdy**, et al., Integrative Computational Analysis of VCX2 in Hepatocellular Carcinoma: From Potential Biomarker Discovery to Therapeutic Targeting with Peruvian Natural Products, Preprint at Biorexiv Feb. 27th 2025,
<https://www.biorxiv.org/content/10.1101/2025.02.20.639333v1>
<https://www.scilit.com/publications/ed62238bb5fd1d22c4c0ddbd5c45bfb1>
- [2] Embarez D.H.; Abdel-Razek A.S.; Basalious E.B.; Mahmoud M.; **Hamdy N.M.**, Acetaminophen-trace Pharmaceutical Bioremediation using Two Isolated Novel Environment-Friendly Phenotypically/Genotypically-characterized Streptomyces Strains; Chemo-informatics & Experimentally tested for Cytotoxicity & Biological Activity, *Preprint 2023*, 2023030121.
<https://doi.org/10.20944/preprints202303.0121.v1.Co>
- [3] Hammad R,, Kujumdshiev S, Sack U, Lambert C, **Nadia M. Hamdy**, Monocytes Subsets Altered Distribution and Dysregulated Plasma hsa-miR-21-5p and hsa- miR-155-5p in HCV-Linked Liver Cirrhosis Progression to Hepatocellular Carcinoma, Preprint at research square March 1st 2023,
<https://www.researchsquare.com/article/rs-2626454/v1>
- [4] Eldosoky M.A.;, **Hamdy N.M.**; Lambert, C., Diagnostic Significance of hsa-miR-21-5p, hsa-miR-192-5p, hsa-miR-155-5p, hsa-miR-199a-5p Panel and Ratios in Hepatocellular Carcinoma on top of Liver Cirrhosis in HCV Infected Patients, Preprints 2022 Nov., 2022110462,
<https://www.preprints.org/manuscript/202211.0462/v1>
- [5] Hammad R.,, **Nadia M. Hamdy**, T-cytotoxic Expression of Leukocyte-Associated Immunoglobulin-like Receptor-1 (LAIR-1) in post-HCV Hepatocellular Carcinoma, *Preprints 2022*, 2022080324
<https://www.preprints.org/manuscript/202208.0324/v1>
- [6] El-Sheikh N., Abulsoud A.I., Wasfey E.F., **Nadia M. Hamdy**, Evolutionary insights on the potential oncogenic impact of long non-coding RNA NNT-AS1 in different types of carcinomas; integrating pathway(s) and clinical outcomes association, Research square preprint, 2022, May 27th,
<https://doi.org/10.21203/rs.3.rs-1682128/v1>
- [7] Mahmoud M., Sanad, EF, **Hamdy, Nadia**, MicroRNAs Role in Non-Communicable Diseases and Link to Multidrug Resistance, Regulation or Alteration, Preprints 2021, Feb.
<https://www.preprints.org/manuscript/202102.0278/v1>
- [8] **Nadia M Hamdy &** El-Shemy RAA, Molecular Profiling of Breast Cancer Susceptibility of Obese or Insulin-Resistant and Pre-Diabetic Patients Using ITLN1 and CD295 SNPs, medRxiv 2020.01.08.20016980;
<https://doi.org/10.1101/2020.01.08.20016980>

CONFERENCE(S)/FORUM/CONGRESS/SYMPOSIUM ACTIVITIES

Attending the 2nd World Youth Forum (**wyfegypt**) Sharm El Sheikh, Egypt,
3-5th Nov. 2018

حضور مؤتمر شباب العالم الرئاسي الثاني، نوفمبر ٢٠١٨ م

INTERNATIONAL CONFERENCES PAPERS

الأبحاث المشاركة بالمؤتمرات الدولية

Oral Presentation (17)

1. El-Sisi MG,, ***Nadia M. Hamdy***, “The potential of HOTTIP SNPs as noninvasive diagnostic/prognostic biomarkers for HCC metastasis and a designed siRNAs as promising avenue for targeted-therapy”,

Canada, 11th Annual Int. Remote Conference Science & Society, Feb. 21st, 2026.

<https://www.youtube.com/watch?v=GpAdAlStAnI&feature=youtu.be>

2. Shaker FM,, ***Nadia M. Hamdy***, “piRNA-823 and Its Downstream Targets as a Potential Biomarker and Therapeutic Axis in Ovarian Cancer: Integrative Computational and Clinical Insights” (**pre-recorded presentation**),

Canada, 11th Annual Int. Remote Conference Science & Society, Feb. 21st, 2026.

<https://www.beyondsciences.org/prerecorded2026/2026119/>

3. El-Sisi MG,, ***Nadia M. Hamdy***, “The potential of HOTTIP SNPs as noninvasive diagnostic/prognostic biomarkers for HCC metastasis and a designed siRNAs as promising avenue for targeted-therapy”, in the 12th International Conference of Clinical Oncology organized by Ain Shams University, held at Hilton Cairo Heliopolis on 21st November 2025.
4. Shaker FM,, ***Nadia M. Hamdy***, “piRNA-823 and its target genes as a promising diagnostic/ prognostic biomarker and potential therapeutic target in clinical ovarian cancer”, in the 12th International Conference of Clinical Oncology organized by Ain Shams University.
5. ***Nadia M. Hamdy***, Harnessing Network Algorithms Analysis (NAA) to Leverage Translational Applications, “Pioneering Egypt's Economic Growth Through Innovation and Healthcare Transformation” Conference by The Association of Egyptian-American Scholars (AEAS) 52nd, Annual International Conference in Partnership with Badr University (BUC) Badr City, Egypt, December 23rd-25th, 2025.
6. ***Nadia M. Hamdy***, From immune cells resistance to (epi)genetics in breast cancer; a step-toward identifying potential target-hit therapy, **Chemistry Conference 2025, UK, December 2nd, 2025.**
7. ***Nadia M. Hamdy***, Using Network Algorithms Analysis (NAA) vs AI for Biomedical Translational Applications, 25th Annual International Conference of Faculty of Medicine for Girls, Al-Azhar University, October 28th-29th, 2025
8. ***Nadia M. Hamdy***, Ovarian Mixed Germ Cell Tumor in Situs Inversus Totalis 1st. Case Report Worldwide: a Literature Review and *In Silico* Analysis,

Canada, 10th Annual Int. Remote Conference Science & Society, Feb. 21st, 2025.

9. El Dash S,, ***Nadia M. Hamdy***, Oncogenic LINC00511 Haplotype Implication in Egyptian’s BC Susceptibility and Survival; a Step toward Precision Health,

Canada, 10th Annual Int. Remote Conference Science & Society, Feb. 21st, 2025.

<https://www.beyondsciences.org/conference2025/program/>

<https://www.beyondsciences.org/live2025/2025429/>

<https://www.beyondsciences.org/>

10. ***Nadia M. Hamdy***, (Epi)genetics Integration into Medicine for Advancing Precision via *Chem/Bio-informatics* Piloting/Validation, Theodore Bilharz Research Institute Annual Conference (12 &13 February 2025) entitled " Innovation in Research and Medical practices”.

11. ***Nadia M. Hamdy***, Oncogenic LINC00511 Genetic Variants Implicated in Breast and Colon Cancer Risk or Prognosis; a Step-toward ncRNA Precision, **19th International Conference of the Egyptian Committee of Biochemistry and Molecular Biology (ECBMB), Session 1: Cancer Diagnostics and Therapeutics, Feb. 9th, 2025.**
12. Abdelsamad A, ***Nadia M. Hamdy***, Langenbach MR, DCK24 Leipzig-Lateral Lymph node rectum cancer, **24.4.24 -08 Uhr- Abdelsamad, April 2024DCK – Leipzig, Germany**
13. El-Tabakh RM, ..., ***Nadia M. Hamdy, et al.***, Adding Colchicine to Doxorubicin for Better Anti-tumor Efficacy and Less Associated-Toxicity in an in vivo Cancer Mouse Model; a Step Toward their Combined Use Clinically,

Canada, 9th Annual Int. Remote Conference Science & Society, March. 2nd-3rd, 2024.

<https://www.beyondsciences.org/conference2024/program-2024/>

<https://www.beyondsciences.org/presentations2024/20240406/>

https://youtu.be/PWLT8_o4hzk?si=_v1-Pg_plbj-Nzs

14. Embarez DH, , ***Nadia M. Hamdy***, Two Novel *Streptomyces* Strains for Paracetamol-traces Bioremediation with Chemo-informatics & Safety Examination of the Potential Biologically Active Biodegradation Products,

Canada, 9th Annual Int. Remote Conference Science & Society, March. 2nd-3rd, 2024.

<https://www.beyondsciences.org/conference2024/program-2024/>

<https://www.beyondsciences.org/presentations2024/20240410/>

15. El-Sheikh N,, ***Nadia M. Hamdy***, Elevated Non-coding Nicotinamide Nucleotide Transhydrogenase-Antisense RNA1 relation to HSP90 in Colorectal Cancer Patients: The Story of Negative Correlation to hsa-miR-485-5p (Oral presentation; Feb. 26th, 2023).

Canada, 8th Annual International Remote Conference Science & Society, Feb. 2023.

<https://www.beyondsciences.org/conference2023/>

https://www.beyondsciences.org/wp-content/uploads/Award_2023_pg1-scaled.jpg

16. Mahmoud AE,, ***Nadia M. Hamdy***, et al., ID-AC03122, Biochemical activity and docking of new isatin sulfonamide derivative(s) as potential anticancer agent(s) (Oral presentation).

International Antalya Scientific Research And Innovative Studies Congress to be held on 18-21 December 2021 at Side, Antalya, Turkey

<https://www.izdas.org/antalyascience>

17. Mahmoud MM,, ***Nadia M. Hamdy***, Circulating LncRNA LINC00511 from Newly Diagnosed Egyptian Breast Cancer Female Patients; A Tale of a Promising Diagnostic Molecular Biomarker (Oral presentation).

6th Annual International Remote Conference Science & Society, Feb. 20-21, 2021.

<https://www.beyondsciences.org/conference2021/>

<https://youtu.be/wNIWU6VQbyQ>

Posters (13)

1. Mahmoud N,, ***Nadia M. Hamdy***, et al., **Uncovering the Multifaceted Role of the Kinetochores Scaffold 1 in Hepatocellular Carcinoma: In-Silico Analysis and CRISPR-Cas9 Experimental Study” Canada, 11th Annual Int. Remote Conference Science & Society, Feb., 2026.** <https://www.beyondsciences.org/posters2026/2026124/>
<https://www.beyondsciences.org/>

2. Shaker FM,, ***Nadia M. Hamdy***, piRNA-823 and its target genes as a promising diagnostic/prognostic biomarker and potential therapeutic target in clinical ovarian cancer, 11th International Conference of the Human Genetics and Genome Research Institute which is planned to be held from October 23rd - 24th, 2025.
3. El-Sisi MG,, ***Nadia M. Hamdy***, The potential of HOTTIP SNPs as noninvasive diagnostic/prognostic biomarkers for HCC metastasis and a designed siRNAs as promising avenue for targeted-therapy, 11th International Conference of the Human Genetics and Genome Research Institute which is planned to be held from October 23rd - 24th, 2025.
4. Ibraheem L,, ***Nadia M. Hamdy***, et al., Targeted Gene Editing using CRISPR-Cas9 for Modulation of Liver Cancer Signaling Pathways: Promising *in vitro* Findings, Canada, 10th Annual Int. Remote Conference Science & Society, Feb. 21st-22nd, 2025. <https://www.beyondsciences.org/posters2025/2025339/>
<https://www.beyondsciences.org/>
5. Ibraheem L,, ***Nadia M. Hamdy***, et al., Targeted Gene Editing using CRISPR-Cas9 for Modulation of Liver Cancer Signaling Pathways: Promising *in vitro* Findings, Cell Biol. 101: S1–S19 (2023) S11 P.17 <https://doi.org/10.1139/bcb-2023-0300> Presented at the 18th Int. Conference by the Egyptian National Committee of Biochemistry and Molecular Biology (NCBMB) ASRT, AUC New Cairo, Egypt, Sep. 16th 2023.
6. ***Nadia M. Hamdy***, et al., Genetic variations and Haplotype in Long intergenic non-coding RNA 00511 (LINC00511) 1 Implication to Colorectal cancer Susceptibility and Prognosis; World Congress on Gastrointestinal Cancer, Spain, July 2023 https://www.researchgate.net/profile/Ahmad-Ahady-2/publication/373657530_Genetic_variations_and_Haplotype_in_Long_intergenic_non_coding_RNA_00511_LINC00511_1_Implication_to_Colorectal_cancer_Susceptibility_and_Prognosis_2/links/64f6a611fa851147de1778be/Genetic-variations-and-Haplotype-in-Long-intergenic-non-coding-RNA-00511-LINC00511-1-Implication-to-Colorectal-cancer-Susceptibility-and-Prognosis-2.pdf?origin=publication_detail
7. Anis A,, ***Nadia M. Hamdy***, et al., The promising recipe sorafenib rosiglitazone and adipogenesis inducers cocktail for in vitro hepatocellular carcinoma differentiation induction besiege carcinogenesis [abstract poster]. In: Proceedings of the American Association for Cancer Research (AACR) Annual Meeting; Part 1 (Regular and Invited Abstracts); 2023 Apr 14-19; Orlando, FL. Philadelphia, USA. Session Category:Experimental and Molecular Therapeutics, Session Title:New Therapeutic Targeted Agents, Session Date: Monday Apr 17, 2023
<https://doi.org/10.1158/1538-7445.AM2023-1596>
8. ***Nadia M. Hamdy*** & El-Shemy RAA, Inflammation/obesity genes ITLN1 (Rs952804) and cytokine receptor family protein CD295 (Rs6700986) SNPs and DNA damage in breast cancer (Poster). Joint Event on International Conference on BREAST CANCER & ANNUAL BIOPROCESSING OF ADVANCED CELLULAR THERAPIES CONGRESS. Dubai, UAE, 3rd – 4th December, 2018. <https://DOI:10.4172/2324-9110-C6-024>
9. Mostafa AM, ***Nadia M. Hamdy***, et al., Effect of vildagliptin on LXR-ABCA1/G1 cascade in pravastatin treated 3T3-L1 adipocytes (Poster Board # P436).

- Society of Toxicology (Sot) annual meeting, USA, 13-17 March, 2016;** Wednesday Morning, March 16 9:30 AM to 11:00 AM, CC Exhibit Hall, Poster Session: Cardiovascular Toxicology. <https://www.toxicology.org/pubs/docs/Prog/2016Program.pdf>
10. Mostafa AM, **Nadia M. Hamdy**, et al., GLP-1 Mimetics/DPP-4 inhibitors: a new role in obesity-associated inflammation and cholesterol homeostasis (**Poster Board # 204**). **Society of Toxicology (Sot) annual meeting, USA, 22-26 March, 2015;** Monday Morning, March 23 11:00 AM to 12:30 PM, CC Exhibit Hall, Poster Session: Inflammation in Disease; Advancing Clinical and Translational Toxicology. <https://www.toxicology.org/pubs/docs/Prog/2015Program.pdf>
11. EL-Mesallamy HO, ..., **Nadia M. Hamdy**, et al. Lead Chemotypes for Allosteric Inhibition of Human Thymidylate Synthase: A focus on some PDPA isosteres (Poster). **DUPHAT 2014**.
12. **Nadia M. Hamdy** & Menha M. Swellam; Clinical Implication of Afamin and its SNP rs4694619 G>C as a Novel Diagnostic Marker for Breast Cancer (Poster; SUN-122, Page 107). FEBS Journal 281 (Suppl. 1) (2014) 65–783. CSI-02 – Inflammation & Disease. **49th International Meeting of the FEBS-EMBO Conference, 30th August- 4th Sep., 2014.** <https://febs.onlinelibrary.wiley.com/doi/epdf/10.1111/febs.12919>
13. Sanad EF, **Nadia M Hamdy**, et al., Granzyme B/perforin system and serpinB9: impact on inflammation and insulin resistance in coronary atherosclerosis (Poster; SUN-180, Page 126). CSI-02 – Inflammation & Disease. FEBS Journal 281 (Suppl. 1) (2014) 65–783. **49th International Meeting of the FEBS-EMBO Conference, 30th August- 4th Sep., 2014.** <https://febs.onlinelibrary.wiley.com/doi/epdf/10.1111/febs.12919>
14. el-Ahmady O, ..., **Hamdy N**, et al., Comparison of Telomerase Activity and Matrix Metalloproteinase-9 in Voided Urine and Bladder-Wash Samples as a Useful Diagnostic Tool for Bladder Cancer (Poster). Anticancer Res. Jan-Feb 2002;22(1B):467-536. **11TH International Hamburg Symposium on Tumor Markers 27-29 January 2002, Hamburg, Germany.**

WORKSHOPS/WEBINARS ACTIVITIES

Attending/Participating in WS; Inter/national and Virtual (On-line)

1. “Writing a Research Grant Proposal” بالمستشفى البيطري العسكري بمدينة نصر
2. Lecturing about “*Bioinformatics and Flow Cytometry Data*” in the 5th International course on Basics of Flow Cytometry, Nov. 3rd, 2024, an IFCC event, Cairo, Egypt
3. Lecturing about “*In silico Bioinformatics*” in the 4th International course on Basics of Flow Cytometry, Dec. 3rd, 2023, an IFCC event, Cairo, Egypt

CONFERENCE(S)/FORUM/CONGRESS/SYMPOSIUM ACTIVITIES

النشاط بالمؤتمرات والندوات العلمية المحلية والدولية

Attending/Participating in Conferences; Inter/national and Virtual (On-line)

1. Reviewer Chairperson during the Medical Integrated Students Research (MISR) Conference, Faculty of Medicine, ASU, 2020-2025.
2. Organizing and Scientific Committees Member at Beyond Science Initiative (BSI) 2026- 2021 during the International Remote conference Science and Society, <https://www.beyondsciences.org/>
3. Speaker at Theodor Bilharz Research Institute Annual International Conference, Feb. 12th, 2025, Cairo, Egypt

4. **Speaker at the 19th International Conference of the Egyptian Committee of Biochemistry and Molecular Biology (ECBMB), Session 1: Cancer Diagnostics and Therapeutics, Feb. 9th, .2025**
5. **Speaker at the BUE International 1st Pharmacy Summit 13th of October, 2024, Cairo, Egypt**
From immune cells resistance to (epi)genetics in breast cancer; a step-toward identifying potential target-hit therapy
6. **Speaker at Theodor Bilharz Research Institute Annual International Conference Feb. 28th, 2024, Cairo, Egypt; (Epi)genomics and Personalized Medicine in the Era of Innovative Solutions for Emerging Health Problems**
7. **Speaker at the 6th International Conference of FOPFU Feb. 14th, 2024, Cairo, Egypt; (Epi)genetics Integration into Pharmaceutical Clinical Biochemistry to Serve a Meaningful Platform for Advancing Precision Medicine via *in silico* Piloting.**
8. **Speaker at the 2nd Conference of the Egyptian Association of Cancer Research EACR Feb. 12th, 2024, On-line, Egypt; Epi/genetics-focused-Precision Avenues for Good Prognosis Practice; a step-toward Epi/genetics-based Repurposed Treatment(s)**
9. **Speaker at the 3rd International Conference of FOPASU Nov. 19th, 2023, Cairo, Egypt; "From Chemistry to Epi/genetics Precision through Prompt Clinical Biochemistry"**
10. **Scientific Committee Member and Clinical Pharmacy Session Chairperson; 10th Ain Shams University International Clinical Oncology conference (ASU-ICOC), Nov. 1st, 2023.**
11. **"Attempts for Epi/genetics Focused Precision Health; Minding the Gap between Genes and the Environment"** at the 18th International Conference by the Egyptian National Committee of Biochemistry and Molecular Biology (NCBMB), at the AUC, 16th of September, 2023.
12. **In the Era-of-the-Green "Mind-the-Climate"; What is the Role of "Pharmaceutical Biochemistry"?** The 3rd International Joint Conference of Al-Azhar Faculties of Medicine Cairo, Egyptian 2023 Health Vision, September 13th, 2023.
13. **Women In Pharma session** by ISPE, Pharmaconex in association with CPHI: **Track 3 Panel Discussion; Building your network, coping with everyday challenges and building successful strategies**, at Pharmaconex Egypt, 10th Int. Conference, September, 5th 2023.
<https://www.pharmaconex-exhibition.com/en/Conference/Women-In-Pharma-speakers.html>
14. **Organizing and Scientific Committees Member at Beyond Science Initiative (BSI)** 8th International Remote conference Science and Society, 24-25th February, 2023.
<https://www.beyondsciences.org/> <https://www.beyondsciences.org/conference2023/>
15. **Chairman of the Drug Discovery Session, January 20th, 2023**, during the 15th Breast Gynecological & Immuno-oncology International Cancer Conference BGICC Jan 19-20, 2023, Cairo, Egypt https://bgicc.net/conference_agenda_2023
16. **iHUB Scientific Moderator of the THINK TANK Boost Cycle 1, January 20th, 2023**, Innovation and Entrepreneurship Program in Oncology, during the 15th Breast Gynecological & Immuno-oncology International Cancer Conference BGICC Jan 19-20, 2023, Cairo, Egypt https://bgicc.net/about_thinktank
17. **Industry 4.0 Posters Scientific Committee Judge and Member of the Roundtable Discussion: "Academia and Industry Role in I4.0" Industry 4.0 "Entrepreneurship and Innovation Perspectives"** Dec. 10th, 2022, during "ISI4Egypt" Project Conference, Dec. 10-11th, 2022, Cairo, Egypt, ASU iHUB Building.
<http://ihub.asu.edu/industry40entrepreneurshipand-innovationperspectives.html>

18. **Scientific Committee Member**, the 31st Conference of the Arab Union for Pharmacists; October 25th-27th, 2022, Cairo, Egypt. <https://apharmu.com/Home/Gconference>
19. **Attending the opening venue October 11th, 2022 & giving an on-line talk October 14th**, titled "In the Era-of-the-Green vs Climate Changes, what is the Role of Biochemistry?" during BUE-COP27 ARCC BUE-COP27 SUMMIT CONCEPT NOTE Africa Academia's Critical Role in COP27 Adaptation and Resilience to Climate Change (ARCC)
قمة تغير المناخ بعنوان " الدور الحاسم للأكاديمي أفريقيًا في مؤتمر القمة ٢٧ – التكيف والمرونة مع تغير المناخ
20. **Judging Committee Member**, the BIC Biotechnology Innovation Competition, October 10th, 2022
https://m.facebook.com/story.php?story_fbid=pfbid02o81beTjj11MAR8aNi87azxwmczaY9pUMBxS93JSdzF1d57ixWnJGHJGwaMkvrHcVI&id=105935134649329
21. **Attending the 9th Annual Ain Shams Clinical Oncology Conference "ASUICOC 2022" September 29-30th, 2022, Cairo, Egypt.**
22. **Organizing Committee Member**, the iHUB Medical Session at the 10th International Ain Shams University Congress; March 29th-31st, 2022.
Chairperson at Session 5: ASU Innovates-Healthcare; March 31st, 2022.
<http://conferences.asu.edu.eg/program.php?did=5>
23. **Organizing Committee Member at Beyond Science Initiative (BSI) 7th International remote conference 26, 27 February, March 5th, 2022, Moderator/Panelist Session 4: Cancer, Feb. 27th.** <https://www.beyondsciences.org/conference2022/program-2022/>
24. **Ahram 2nd Pharmaceutical Conference APHC 16-17th, October, 2021.**
25. **Motivational Speaker during "She Talks Science Summit 2021"; Empowering Women In Science; Outside The Box;** talk entitled "Biochemistry Passion برحلة حياة", on 8th October, 2021, Online event.
26. **Chairperson/Moderator at the Arab African International Cancer Congress (AAICC) 2021, Session "Using Technology in Health Care Systems",** Hybrid conference, 7-8th October, 2021. <https://www.aaicc-eg.net/>
27. **Scientific Committee Member and "CoviD-19 Guidelines in Cancer" Clinical Pharmacy Session Chairperson**, at the 8th Ain Shams University International Clinical Oncology conference (ASU-ICOC), Hybrid conference, 29th September, 2021.
28. **Scientific and Organizing Committees Member, Poster Reviewer, Presentations Evaluator and Chairperson**, at the 17th International Conference by the Egyptian National Committee of Biochemistry and Molecular Biology (NCBMB), at the AUC, On-line, Virtual conference, 14-15th September, 2021. <http://eg-bmb-asrt.org/>
29. **Reviewer to Students projects competition during Ain Shams University 9th International Conference, April, 2021, Innovation sector iHUB, undergraduates' sector.**
<http://conferences.asu.edu.eg/program.php?did=7>
30. **Reviewer to the Projects submitted by ASU Postgraduates and Staff for evaluation during 2nd Competition; ASU Innovates 2021 "Researchers Track"; 29-30th May.**
محكم للمشاريع/الأفكار المقدمة لمسابقة ج عين شمس تبتكر ٢٠٢١ م "مسار الباحثين"
<http://ihub.asu.edu.eg/asu-innovates-semifinals.html>
31. **Member of the Scientific and Organizing committees Beyond Science Initiative (BSI) International Online Conference; Feb. 21st, 22nd, 27th, 2021. Panelist Academic Career Panel Feb. 27th, 2021.** https://www.beyondsciences.org/about_bsi/
32. **Member of the Scientific committee Youth Science Forum, NRC, January, 2021**
33. **Reviewer Chairperson in 4 & 2 Sessions during the 5th & 6th Medical Integrated Students Research (MISR) Conference, Faculty of Medicine, ASU, 4-5th March, 2020 & 15-16th March, 2023, respectively.**

34. **Speaker, Member of the Scientific and Organizing committees** for the Cancer Symposium by the NCBMB by ASRT, at 57357 Children Hospital Egypt, 15th Feb., 2020.
35. **Chairperson in the Session; "Biotechnology & Genomics" and Speaker at the "Drug Discovery; Pharm. Analysis; Phytotherapy"**, the 1st International Conference on Pharmaceutical & Healthcare Sciences (PHS) by Faculty of Pharmacy, Alexandria University, 6-7th November, 2019.
36. **Speaker at the "Clinical Pharmacy Current Practices in Clinical Cardiology II"**, Alhyatt LIVE'19 Cardio-vascular and Thoracic Conference, 31st October-1st -November, 2019.
37. **Chairperson in the Session; "Tips in Pharmaceutical Care for Cancer Patients"** for the 2nd AAICC Arab African International Cancer Congress, 10-11th October, 2019.
<https://www.aaicc-eg.net/>
38. **Scientific and Organizing Committee Member, Poster Reviewer, Chairperson, and Speaker at** the 16th International Conference by the Egyptian National Committee of Biochemistry and Molecular Biology, AUC, New Cairo, 14-15th September 2019.
<http://eg-bmb-asrt.org/register-now/>
39. **Speaker at 8th Annual Ain Shams University Conference; 2019; Creativity, Innovation and Industry, "Gig Economy in Health Sector"**. April 1-4th, ASU Guest House.
<http://8thconference.asu.edu.eg/>
40. **Member of the Organizing Committee and Poster Session Head;** 6th International Euro-Mediterranean Conference of Pharma, BioMedicine and Life Sciences (BioNat-6), April 1 and 2nd, 2019, Cairo University. <https://bionats.org/bionat-vi-2019/>
41. **Member of the Scientific and Organizing committees;** AIPC 2019, March 30 and 31st; Third International Conference by the Arab Association of Pharmacy Progress.
42. **Scientific Organizer** for the Scientific session by the National Committee of Biochemistry and Molecular Biology, Cairo, 16th March, 2019.
43. **Conference Secretary General; 21st Scientific Congress of the Association of Pharmacy Colleges in the Arab World & 2nd International Conference hosted by Faculty of Pharmacy, Ain Shams University, Cairo, Egypt, 13-15th November, 2018.**
<https://sites.google.com/a/pharma.asu.edu.eg/conference/home>
44. **Organizer and Session Head;** Annual 2nd Conf. of the Arab Society of "Stem Cells and Molecular Biology; Era of Gene Therapy", Cairo, Egypt, 7-9th February, 2017.
45. **Organizing committee member & IT committee Head;** 17th Scientific Congress of the Association of Pharmacy Colleges in the Arab World & the 1st Int. Conf. hosted by Faculty of Pharmacy, ASU, 14-16th Oct., 2014.

CREDENTIALS AND TRAINING COURSES

البرامج التدريبية المختلفة

STATISTICAL COURSES by [TRUST Research Center](#); Faculty of Medicine, ASU الإحصاء الحيوي

<input type="checkbox"/> July 2020	NIF & Equivalence Studies & HTA 101
<input type="checkbox"/> July 2019	Systematic Review & Meta-Analysis
<input type="checkbox"/> August 2018	Sample Size Calculation & Power of the Study
<input type="checkbox"/> August 2018	Regression Analysis

CREDENTIALS

- May, 2026** Dean's Technical and Financial Aspects Training Course
الدورة التدريبية لإعداد القيادات وعمداء الكليات بجامعة عين شمس
- October, 2019** Departments Head Technical and Financial Aspects Training Course
الدورة التدريبية لإعداد رؤساء الأقسام بجامعة عين شمس

+ **الدورات التدريبية اللازمة للتقدم في مركز تنمية قدرات أعضاء هيئة التدريس بالجامعة**
Fellowship and Leadership Development Center (FLDC) Courses at Ain Shams University

+ EKB professional workshops delivered by Clarivate - Web of Science 2020-2021

Medical Courses/Workshops		ورش العمل الطبية الدولية
June 2026	WORKSHOP SERIES: INTRODUCTION TO BIOBANKING.	UNESCO–BBMRI-ERIC–WHO/IARC
Nov. 2024	FC	IFCC
Dec. 2023	FC	IFCC
Nov. 2023	Crack the Code: Exploring R programming & RNA seq. analysis	DU Online
Dec. 2022	Flow Cytometry Hands On	IFCC
July 2020 April 2020	Clinical Bioinformatics: Clinical Sequencing for Rare Disease Unlocking Genomics in Healthcare, Lead Educator	By University of Manchester
April 2020	Genetic Counselling	By Futurelearn.com
Jan-Oct 2020	Epigenetics Diploma (In progress)	By Center of Excellence
Feb. 2020	Apoptosis WS	
Sept.-Oct. 2019	Precision Medicine in Practice	By PM Advisors
June-July 2019	Research Ethics Training	By IACET online course
March 2015	Stem Cell Workshop	Histology Dept., Faculty of Medicine, AlAzhar
March 2015	Regenerative Medicine	ESPCR, Cairo, Egypt.
Feb. 2015	Bioinformatics Basics Workshop	Faculty of Agriculture Research Park, CU

Webinars/Workshops

<input type="checkbox"/>	“Strengthening Psychological Immunity” workshop By Dr. Ahmed AlAawar ورشة “كيفية تقوية المناعة النفسية” د. أحمد الأور	Sept. 2021
<input type="checkbox"/>	COVID-19 Infection Prevention and Control; By AUC	July 2020
<input type="checkbox"/>	Human Cell Atlas: Mapping the Human Body One Cell at a Time; By the Biochemical Society	June 2020
<input type="checkbox"/>	New Standards for Navigating Workplace Safety; What Covid Taught Us; By NASP	June 2020
<input type="checkbox"/>	Your Next Venture; By ASRT	June-July 2020
<input type="checkbox"/>	Emotional Equations; By Dr. Ahmed Magdy	April-May 2020
<input type="checkbox"/>	Know Yourself إعرف ذاتك	April 2020
<input type="checkbox"/>	Getting Through Tough Times 2; By Dr. Ahmed Magdy	
<input type="checkbox"/>	Adapting to Remote Working: Embracing Agile Learning; By AUC School of Business Executive Education Team	

Webinars/Workshops

<input type="checkbox"/>	Art of Persuasion خمس مفاتيح لفهم وإقناع الآخرين	March 2020
<input type="checkbox"/>	Maintaining our Inner-Peace at Times of Collective Stress	
<input type="checkbox"/>	Getting Through Tough Times 1; By Dr. Ahmed Magdy الأوقات الصعبة التعامل مع	

Symposia/Summits

She Talks Science Summit 2021; Outside The Box		Oct. 2021
Mindfulness Summit	قمة التركيز وإمتلاء الذهن	May 2020
Resilience Summit	قمة المرونة	April 2020
Biosimilars and Biologics Symposium, by Faculty of Pharmacy, New Giza Univ.		9-11 th March 2020
1 st National Conference by Ministry of Health; Biosimilars Symposium, by MinaPharm in collaboration with FOPNGU	المؤتمر المحلي الأول لوزارة الصحة	22 nd Jan. 2020
International Women Success Summit, held in Egypt		12 th Dec. 2019
4 th ISPOR Egypt Chapter International Conference, By HTA		19 th Oct. 2019
1 st Women Health Conference	مؤتمر صحة المرأة الأول بجامعة الدول العربية	11-12 th Sept. 2019
Human Recourses Professional 3 rd Congress	الملتقى الثالث لمحترفي الموارد البشرية	Feb. 2019

Other Certificate(s)/Diploma(s) Earned

شهادات أو دبلومات في غير التخصص

<input type="checkbox"/> HAZWOPER awareness level by OSHA		July 2023
<input type="checkbox"/> Lean Manufacturing Certificate by LeanAcademy; LeanActivity.com, Germany, online course		Dec. 2020
<input type="checkbox"/> "Laboratory Safety" By OSHA (Occupational Safety and Health Association Program) by NASP/IASP	السلامة بالمعامل	July 2020
<input type="checkbox"/> Work Safely by Occupational Safety and Health Association (OSHA)	السلامة والصحة المهنية	July 2020
<input type="checkbox"/> Emotional Intelligence	الذكاء العاطفي / المجتمعي	June 2020
<input type="checkbox"/> Neuro Linguistic Programing; NLP	البرمجة اللغوية العصبية	March-April 2020
<input type="checkbox"/> Training of the Trainers TOT	مدرب المدربين	April 2020
<input type="checkbox"/> Lean Six Sigma Green Belt Certificate; By GoLeanSixSigma.com		Feb-Oct. 2020
<input type="checkbox"/> Public Speaking; Arrest Your Audiences		Feb. 2020
<input type="checkbox"/> Design Thinking Course; By iHUB, ASU	تصميم التفكير	Jan. 2020
<input type="checkbox"/> Entrepreneurship WS; By iHUB, ASU	ريادة الأعمال	Jan.2020
<input type="checkbox"/> Voice Over and Radio Presenter Course	التقديم الإذاعي والدوبلاج	August 2019
<input type="checkbox"/> Design Your Life Course; By Dr. Ahmed AlAawar	صمم حياتك	May 2019
<input type="checkbox"/> The Regional and International Diploma for Preparing Arab Women Leaders; By the Afro Asian Union for International Law and Disputes Settlement	دبلوم إعداد قيادات المرأة محليا ودوليا	Feb. 2019
<input type="checkbox"/> Passion-to-Profit Course; Passion Point, By Eng. M.Tohamy	إعرف شغفك بالحياة	July 2017

TECHNICAL SKILLS and EDUCATIONAL SKILLS

المهارات التقنية والمهارات التعليمية

- ☑ Totally editing the competencies for the Immune modulation certificate funded by Erasmus +2019 "IMCert" as well as curriculum development; modules and courses description, during April and September, 2021, respectively.
- ☑ Participated in designing and editing Vision, Mission, and Goals for the FOPASU Research Ethics Committee REC for accreditation by MOH, October 2020.
صياغة وإعادة كتابة الرؤية والرسالة والأهداف لجنة أخلاقيات البحث العلمي ك الصيدلة، ج عين شمس
Participated in designing and editing the new curricula for PharmD and PharmD clinical for Pharmacy Education Reframing, 2019-2020.
- ☑ صياغة وإعادة كتابة المناهج الجديدة والمحدثة لبرامج بكالوريوس الفارم دي والفارم دي كينيكال ٢٠١٩/٢٠٢٠ م
- ☑ Totally editing the competencies for the "Medical Laboratory Training" during the 6th year PharmD and PharmD clinical for Pharmacy Education Reframing, 2020.
الصياغة الكاملة لتدريب المعامل الطبية للسنة السادسة بكليات الصيدلة ٢٠٢٠ م

- ☐ Totally designing and editing the 2nd (Basic and Metabolism Biochemistry) and 3rd year (Clinical Biochemistry) practical and theoretical course books for Faculty of Pharmacy, Ain Shams University, 2019-2020.
- الصياغة الكاملة للمقررات التي يدرسها قسم الكيمياء الحيوية للفرقتين الثانية والثالثة بالكلية للعام الجامعي ٢٠٢٠/٢٠١٩ م
- ☐ Participated in designing the “**Scientific Research Strategy and Plan**” of the **Biochemistry Department**, Faculty of Pharmacy, Ain Shams University 5 years interval (2007-2012), (2012-2016), and (2017-2021) and re-editing in 2019 (**2018-2023**).
- صياغة وإعادة كتابة الخطة البحثية الإستراتيجية لقسم الكيمياء الحيوية كلية الصيدلة، ج عين شمس، بما يتواءم مع الحديث من العلم ومع خطة الجامعة المحدثة
- ☐ Editing and Designing the **Dept. Vision, Mission, and Goals**.
صياغة وكتابة الرؤية والرسالة والأهداف لقسم الكيمياء الحيوية كلية الصيدلة، ج عين شمس
- ☐ Participated in preparing the Report for the **5-years Strategic Scientific Research Plans** of the Biochemistry Department, Faculty of Pharmacy, Ain Shams University (2012-2016), (2016-2019).
- ☐ Participated in Designing the **FOPASU Vision, Mission, and Goals**.
المشاركة في صياغة وكتابة الرؤية والرسالة والأهداف لكلية الصيدلة، ج عين شمس
- ☐ Total responsibility for the practical lab work, practical exams and mid-term undergraduates’ exams, Faculty of Pharmacy, Ain Shams University, since the year 1999.
- ☐ Total responsibility for the practical lab work and practical exams of the Biochemistry master and Ph.D. students, since 2007.
- ☐ Participated in designing and editing the 2nd (Basic and Metabolism Biochemistry) and 3rd year (Clinical Biochemistry) practical books in Faculty of Pharmacy, Ain Shams University, since 2005 and Faculty of Pharmacy, Ahram Canadian University.

POSTGRADUATES TEACHING

التدريس للدراسات العليا

Clinical Pharmacy Diploma;

Selected Topics Course,

Clinical Pharmacy Ph.D. Students;

PH.D. Comprehensive Course Selected Topics;

Pharmacovigilance.

Biochemistry Master Students;

Selected Topics Course,

Molecular Biology,

Genetics,

Advanced Basic Biochemistry,

Advanced Clinical Chemistry,

Biostatistics,

Bioinformatics,

Research Ethics,

Research Methodology.

Biochemistry Ph.D. Students;

Selected Topics Course,

Advanced Biochemistry,

Advanced Clinical Biochemistry,

Pharmacology courses,

Biostatistics,

Bioinformatics,

Research Ethics,

Research Methodology.

Ph.D. Comprehensive Course Selected Topics.

Activities in the Social, Cultural and National Fields

النشاط بالمجال الثقافي والفكري والقومي

Faculty of Pharmacy, ASU and Ain Shams University Activities

النشاطات المختلفة بالكلية والجامعة

- ☐ Collaborating in the initiation, design, and editing a monthly magazine (**Pharmacy ASU Insider; 2022-to-date**) from the Faculty of Pharmacy, Ain Shams University Environmental affairs sector.
- ☐ Faculty of Pharmacy, Ain Shams University Institutional Review Board Reporter (September 2020-to-Dec. 2021) مقرر لجنة أخلاقيات البحث العلمي بالكلية المجازة من وزارة الصحة
- ☐ Consultant to the Survey Committee (QA Unit member) (2020-to-date) عضو إستشاري بلجنة الإستبيانات بوحدة ضمان الجودة بالكلية
- ☐ ASU Technology Transfer Unit Member (March 2021-to-date) عضوية وحدة نقل التكنولوجيا بالجامعة بالتنسيق مع مركز الإبتكار بالجامعة
- ☐ Postgraduates Faculty of Pharmacy, ASU iHUB Moderator (September 2019 - July 2023) منسق وومثل مركز الإبتكار عن الكلية لأعضاء هيئة التدريس والهيئة المعاونة والخريجين بالكلية
- ☐ Initiated, designed and edited a monthly magazine (IT MiniKit) of the Information Technology unit (ITU), Faculty of Pharmacy, Ain Shams University (2012-2015) تصميم وإصدار مجلة شهرية لوحدة تكنولوجيا المعلومات بكلية الصيدلة ج عين شمس
- ☐ Member and Head of Faculty of Pharmacy, Ain Shams University Website Committee member, head and consultant (ITU Head 2013-2015) عضو ثم مدير وحدة تكنولوجيا المعلومات بالكلية ثم إستشاري بالوحدة
- ☐ Member and Head of Faculty of Pharmacy, Ain Shams University Internal Auditing Committee (QA Unit member) (2011-2015) عضوية ورئاسة لجنة المراجعة الداخلية بوحدة ضمان الجودة بالكلية
- ☐ Collaborating in the initiation, design, and editing a monthly magazine (**Pharmacy ASU Insider; 2022-to-date**) from the Faculty of Pharmacy, Ain Shams University Environmental affairs sector. المشاركة في تصميم وإصدار مجلة شهرية توعوية لقطاع البيئة بكلية الصيدلة ج عين شمس
- ☐ Initiated, designed, and edited a monthly magazine (Environmental MiniKit; 2011-2014) from the Biochemistry Department in collaboration with Faculty of Pharmacy, Ain Shams University Environmental affairs sector.
- ☐ Initiated, designed, and edited a monthly magazine (Biochemistry MiniKit) of the Biochemistry Department, Faculty of Pharmacy, Ain Shams University (2009-2011). تصميم وإصدار مجلة علمية شهرية من قسم الكيمياء الحيوية بكلية الصيدلة ج عين شمس
- ☐ Participated in the initiation (with others) of idea for a Post graduates Union (PGU) in the Faculty of Pharmacy, Ain Shams University (2005).
- ☐ Initiates and organizes social activities between colleagues at work.
- ☐ Member of the Faculty of Pharmacy, Ain Shams University Gawda Unit (Quality control and QA Unit member) (2006-to-date) عضوية وحدة ضمان الجودة بالكلية بالمعايير المختلفة من بحث علمي ودراسات عليا والقيادة والحوكمة والخطة الإستراتيجية
- ☐ Member of the Faculty of Pharmacy, Ain Shams University Strategic Plan Committee (QA Unit member) (2007-2016) عضوية لجنة الخطة الإستراتيجية بوحدة ضمان الجودة بالكلية
- ☐ Member of the Faculty of Pharmacy, Ain Shams University Board Council and the Board Council Secretary. عضو دائم بمجلس الكلية
- ☐ Member of Faculty of Pharmacy, Ain Shams University Maintenance Supreme Committee for Medical Instruments and the building construction maintenance issues
- ☐ Member of Faculty of Pharmacy, Ain Shams University Chemical, Instruments and Glassware Purchasing Supreme Committee. عضوية لجان المشتريات للأجهزة العلمية والكيموايات بالكلية ممثلا عن القسم أو بالمعمل المركزي للكلية

• **CONTRIBUTION OF RESEARCH TO COMMUNITY SERVICE**

- Finding a solution to treat the emerging corona virus by using the technique of molecular symmetry between some treatments and the proteins that cause infection of the newcomer.
 - Studies of nucleotide polymorphism in liver disease to predict disease progression to fibrosis / cirrhosis and/or treatment response.
 - To study the effect of vitamin D deficiency in chronic hepatitis C virus patients.
 - The use of the drugs pravastatin and vildagliptin to reduce cholesterol excretion from fat cells, and the combination of Vildagliptin and pravastatin will improve the flow of cholesterol in the adipocytes.
 - The *FTO* gene rs9939609 is a genetic risk factor for metabolic syndrome in Egyptians, which helps in understanding the biology of this complex syndrome. This link may be through the HDL-C component.
 - Study of Hematology We found that recombinant TXN could be incorporated into leukemia treatment regimens as a novel approach to reduce oxidative DNA damage and further mutations.
 - Contributing to solving priority problems locally, regionally and internationally in scientific and application, and spreading the culture of scientific research, in the field of medical and health sciences to study changes in the genes of the body's immune system, the latest important branches to know the causes of cancer and to determine the causes of its spread and/or lack of response to treatment or that it may Cancer Receding, these studies I did based on my passion for Biochemistry "Genetics" ... compatible with international research and scientific trends.
 - I have adopted in my studies and research the interest in genetic studies and their relationship to obesity and the consequences of diabetes or liver diseases from liver fatness or various digestive diseases to pancreatic cancer, as well as the genetic effect and its changes on the response of stroke and heart patients.
 - How the genetic changes or gene expression affect the response of leukemia patients, which reflects the importance of genetics, the importance of genetic markers, and knowledge of each individual's genetic map to reduce the side effects of taking drugs that will not be effective for one patient than another.
 - Scientific research related to genetics that serve the health and medical sciences and push towards finding solutions to practical problems on the ground.
 - Studying the reasons why some patients respond to treatment and not others, and some may not tolerate the side effects of some cancer treatment drugs, all of this and that have genetic and immune causes.
 - To investigate the relationship between alpha-1 gene expression and the diagnosis and prediction in adult Egyptian patients with acute leukemia, and to search for new and advanced mechanisms to develop a new treatment strategy in acute leukemia in adults.
 - A study of the biological and immunological signs and their relationship to non-communicable diseases such as liver cancer, blood cancer, obesity, or cardiovascular diseases, in addition to genetic studies to find out the causes of liver cancer or leukemia and the relationship of gene mutations and their sciences with the vital signs and immune connotations and their relationship to non-communicable diseases.
 - Investigation for the first time on the effect of SNPs in the CYP2R1 gene and the vitamin D receptor gene on cells, the OASL gene and the ADAR gene, as well as the IL28B gene and serum 25-OH, vitamin D, alpha-fetoprotein serum levels and insulin resistance in treatment outcomes of Egyptian chronic hepatitis patients of genotype 4 Those treated with Peg-Interferon and RBV.
 - Some innovative biomolecular studies for chemotherapy as a new approach.
-

مساهمة البحوث في خدمة المجتمع

- إيجاد حل لعلاج فيروس الكورونا المستجد باستخدام تقنية التماثل الجزيئي بين بعض العلاجات والبروتينات المسببة للإصابة بالمستجد.
- الدراسات عن تعدد أشكال النيوكليوتيدات في أمراض الكبد للتنبؤ بتطور المرض إلى التليف/تليف الكبد و/أو الاستجابة العلاجية.
- دراسة أثر نقص فيتامين د في مرضى فيروس التهاب الكبد الوبائي المزمن.
- استخدام عقاري البرافاستاتين والفيلدا جلتين لتخفيض نسبة خروج الكوليسترول من الخلايا الدهنية والجمع بين يلداغليبتين وبرافاستاتين سيحسن تدفق الكوليسترول في الخلايا الشحمية.
- جين rs9939609 FTO هو عامل خطر وراثي لمتلازمة التمثيل الغذائي في المصريين مما يساعد في فهم بيولوجيا هذه المتلازمة المعقدة وإيضاح هذا الارتباط قد يكون من خلال مكون HDL-C.
- دراسة أمراض الدم وجدنا أنه يمكن دمج TXN المؤتلف في أنظمة علاج سرطان الدم كنهج جديد لخفض تلف الحمض النووي المؤكسد ومزيد من الطفرات.
- الاسهام في حل مشكلات ذات أولوية محلياً وإقليمياً وعالمياً العلمية والتطبيق، ونشر ثقافة البحث العلمي، بحقل العلوم الطبية والصحية لدراسة التغيرات بجينات الجهاز المناعي بالجسم، أحدث الفروع الهامة لمعرفة أسباب حدوث السرطان والوقوف على مسببات انتشاره و/أو عدم الاستجابة للعلاج أو أنها قد تسبب انحسار السرطان، هذا الدراسات قمت بها معتمدة على شغفي ب. "علم الجينات" المتوائمة للتوجهات البحثية والعلمية العالمية.
- اعتمدت في دراساتي وأبحاثي الاهتمام بالدراسات الجينية وعلاقتها بمرض السمنة وما يترتب عليه من مرض السكري أو أمراض الكبد من تشحم كبدي أو أمراض الجهاز الهضمي المختلفة الي سرطان البنكرياس، كذلك التأثير الجيني وتغيراته على استجابة مرضي الجلطات والقلب.
- كيفية تأثير التغيرات الجينية أو التعبير الجيني على استجابة مرضي سرطان الدم، مما يعكس أهمية دور علم الجينات وأهمية الدلالات الجينية ومعرفة الخريطة الجينية لكل فرد للحد من الآثار الجانبية لتناول أدوية لن تكون فعالة بالنسبة لمريض عن آخر.
- الأبحاث العلمية المتعلقة بعلم الجينات والتي تخدم العلوم الصحية والطبية والدفع نحو إيجاد حلول للمشاكل العمليّة على أرض الواقع.
- دراسة أسباب استجابة بعض المرضى لعلاج دون غيرهم، والبعض قد لا يحتمل الآثار الجانبية لبعض أدوية علاج السرطان، كل هذا وذلك أسبابه جينية ومناعية.
- دراسة الدلالات الحيوية والمناعية وعلاقتها بالأمراض غير السارية من سرطان كبد أو دم أو سمنة أو أمراض القلب والأوعية الدموية، بالإضافة إلى الدراسات الجينية للوقوف على اسباب السرطان الكبد أو سرطان الدم وعلاقة طفرات الجينات وعلومها بالدلالات الحيوية والدلالات المناعية وعلاقتها بالأمراض غير السارية.
- استقصاء العلاقة بين التعبير الجيني لألفا جينات ألفا ١ والتشخيص والتنبؤ في المرضى المصريين البالغين المصابين بسرطان الدم الحاد، والبحث عن آليات جديدة ومتطورة لتطوير استراتيجيات علاجية جديدة في سرطان الدم الحاد لدى البالغين.
- التحقيق لأول مرة في تأثير SNPs في الجين CYP2R1 والجين مستقبل فيتامين د على الخلايا والجين OASL والجين ADAR وكذلك الجين IL28B والمصل OH-25 فيتامين د، مستويات مصل بروتين ألفا فيتو ومقاومة الأنسولين في نتائج العلاج من مرضى التهاب الكبد المزمن المصري من النمط الجيني ٤ الذين عولجوا بـ Peg-Interferon و RBV
- بعض الدراسات الجزيئية الحيوية المبتكرة لعلاج الكيميائي كنهج جديد.

الخدمة المجتمعية/ النشاط الخدمي المجتمعي Community and Environmental Activities/Services

1. Founder of [#Biochemistry passion .. FB page](#); [صفحة الشغف بالكيمياء الحيوية](#) a social initiative responsibility page, for giving simple streamlined science and health info, as well as correcting or defending any wrong medical rumors!!
2. Under the slogan [#Biochemistry_for_all](#).. [جروب على F.B مبادرة #الكيمياء الحيوية للجميع](#)
Spreading Scientific awareness about antibiotics abuse as well as hypervitaminosis and self-medication and how to deal in the days of CORONA V., and more hot health topics.
3. Arab Faculties Platform المشاركة بحساب باللغة العربية باتحاد الجامعات العربية
<https://arabscientists.azurewebsites.net/profile/index/Prof%20Nadia%20Hamdy>

4. A lecture titled **“NO-OREO-SWOT-IDEAL”** May 12th, 2023, for the Faculty Cultural and Social Sessions
المشاركة بمحاضرة بالموسم الثقافي بالكلية
5. Awareness lecture about “Scientific Research and Scientific Thinking” to trainers in the Veterinary Military Hospital, Nasr City, Cairo, August 17th, 2022.
6. Awareness lecture about the importance of biochemistry and its passion
الكيمياء الحيوية للجميع والشغف للكيمياء الحيوية
A lecture titled **“Biochemistry Passion in the Scientific Research Life Journey”** at Egypt-Japan University of Science and Technology; January 31st, 2022.
7. An awareness on-line lecture, through the Egyptian Association of Cancer Research (EACR), titled; **“Immune System Management; a Health Perspective during Pandemics”** June 2021
إدارة جهاز المناعة؛ من منظور صحي خلال الأوبئة
8. Lecturing Scientists through “BioNat Scientific Seminar” Feb. 13th, 2021 about **“Epigenetics the Ugly or the Plastic Face of the Environment”**
تأثير البيئة علي جيناتنا
9. Lecturing pharmacists applying to pass **APLEX (Arab Pharmacist Licensure Exam)** first intake, by Arab Pharmacy Board by Arab Pharmacists Union (APU) **“Clinical Biochemistry; Lab Interpretations”** Nov., 2020 & Dec. 2021, and Dec. 2022 on-line interactive session
المشاركة بمحاضرة عما يتعلق بالكيمياء الحيوية الإكلينيكية والتحليل بالأمراض المختلفة بالبورء الصيدلي العربي للدارسين لأداء الامتحان الموحد أعوام ٢٠٢٠ و٢٠٢١ و٢٠٢٢ م
10. Awareness on-line lecture titled; **“Uncertainty of Fasting Ramadan During Covid-19 Pandemic from a Biochemistry Point-of-View”** May Ramadan 2020, Al Kitab Univ., Iraq.
محاضرة توعوية أون لاین، بعنوان "عدم اليقين في صيام رمضان خلال جائحة كوفيد-١٩ من وجهة نظر الكيمياء الحيوية" مايو رمضان ٢٠٢٠ م، لجامعة الكتاب، العراق.
11. **Initiated and Participated in field visits** for faculty DDP students March 2020 to the National Cancer Institute Hospital(s), Breast Cancer Hospital, El Tagamoa Al Awal, Cairo University, to inspect the Clinical Chemistry Laboratories.
12. **FOPASU innovation HUB (iHUB) Center coordinator for faculty staff and graduate students 2019-to-date.**
13. Organized an awareness lecture on healthy culture for the Corona virus and on how to deal with Crises and Medical Disasters, February 2020.
14. Participated in an awareness about the **Sustainable Development, EGYPT 2030** for students, by the activity of the Students Union "Group Guards; Horas", February 2020.
المشاركة في حملة توعية حول التنمية المستدامة، مصر ٢٠٣٠ م، للطلاب من خلال نشاط اتحاد الطلاب "مجموعة حراس حورس"، فبراير ٢٠٢٠ م.
15. **Spreading Scientific Culture Through the Media**
نشر الثقافة العلمية من خلال الإعلام
- 15.1. **Egyptian Radio 102.2 F.M.** Great Cairo Radio and Sout Al Arab صوت العرب for the year 2020, as well as several T.V shows; a series of talks about health and how to deal with CORONA V. 2019-2020 mentally and emotionally,
- 15.2. **Egyptian Radio 102.2 F.M.** Great Cairo Radio, for the year 2019, a series of talks on health and talking about the presidential initiatives,
- 15.3. In February 2020 on Egyptian Radio 102.2 F.M. Great Cairo Radio, an episode on youth and how to define your goals in life, by discussing my first book "A Journey of Life" Who are you and what do you want?
- 15.4. **"Sabah Cairo" Program in the Third Egyptian Channel for the year 2019.**
برنامج صباح القاهرة بالقناة المصرية الثالثة
- 15.4.1. With a topic on how to study, receive the academic year, and set a goal for young people in choosing a college and/or study major on September 10th, 2019.
- 15.4.2. Talking about women's health and the presidential initiatives in the framework of the campaign of “100 million health” during the pink month of October, on Tuesday,

- October 15th 2019, and raising awareness about breast cancer (BC) and the risks of osteoporosis within the initiative "Ashan Matetkesreesh" initiative مبادرة علشان متتكسريش
16. **“Morning Show” Program on Nile TV channel**
Raising awareness and mentioning the Flag Day celebration on Sunday August 18th, 2019, talking about the importance of scientific research for progress, the presidency's interest in science, and directions for improving scientific research and education to reach Sustainable Development Goals, SDGs Egypt's vision 2030.
17. **Volunteering work with the “Hezb Mostakbal Watan” حزب مستقبل وطن, in Nasr City,** on the initiative of free early detection and treatment of breast cancer (BC) and diabetic foot, at Nuri Khattab Mosque in the hall of the martyr Mahmoud Badr Al-Din Khattab, for the year 2019, under the supervision of Prof Dr. Ahmed Hasan El Waraq and in cooperation with Dr. Magdy Moneer at the Health Insurance Hospital; Cancer Hospital in Nasr City, on Fridays during March 2019, after Friday prayers. Raising the awareness of the women presenting there about how to self-examine their breast to detect any abnormal mass in their breast, raising awareness of BC risk and directing those who have been suspected of lumps or suspicious condition to the Breast Cancer Hospital in Eltagamo3 El Awal, National Cancer Institute, Cairo University.
- الكشف والعلاج بالمجان لأورام الثدي والقدم السكري بقاعة الشهيد محمود بدر الدين خطاب تحت اشراف الأستاذ الدكتور/ أحمد حسن الوراق والأستاذ الدكتور/ مجدي منير، أيام الجمعة لشهر مارس ٢٠١٩ م عقب صلاة الجمعة.
18. **Publication of health information and medical info in a simplified scientific form and in Arabic language,** in several newspapers and on Social Media since 2019-to-date, #Lifey_wellness,
- #اد نادية حمدي #رحلة حياه #قواعد ٢٠٢٠ و#القواعد الأربعون ل
نشر المعلومات الصحية والمعلومات الطبية بشكل علمي مبسط وباللغة العربية في العديد من الصحف وعلى مواقع التواصل الاجتماعي منذ عام ٢٠١٩ م حتى تاريخه.
#رحلة حياه #قواعد ٢٠٢٠ القواعد الأربعون لل....
19. **Publication of health information and medical info in a simplified scientific form and in Arabic language,** in the [Electronic Journal of Pharmacy Sciences / Jordan](#) - the official page from mid-2019-to-date.
- نشر المعلومات الصحية والمعلومات الطبية بشكل علمي مبسط وباللغة العربية في [المجلة الإلكترونية للعلوم الصيدلانية / الأردن](#) - الصفحة الرسمية من منتصف عام ٢٠١٩ م حتى تاريخه.
20. **Publication of videos about health and medical info in a simplified scientific form and in Arabic language,** on FB/You tube, 2020.
- نشر عدد من الفيديوز عن معلومات صحية وطبية بشكل علمي مبسط وباللغة العربية على فيسبوك/يوتيوب ٢٠٢٠ م.
21. **Participated in awareness lectures at FOPASU and the University on healthy lifestyle culture and proper nutrition,** December 2019.
- المشاركة في محاضرات توعوية في FOPASU والجامعة حول ثقافة أسلوب الحياة الصحي والتغذية السليمة، ديسمبر ٢٠١٩ م، وتم اعادتها عدة مرات بالفترة الأخيرة.
22. **Awareness of the dangers of widespread fraud on Internet pages that invade the field of health, medicine and pharmaceutical training at Ain Shams University International Conference,** April 2018.
- التوعية بمخاطر انتشار الاحتيال على صفحات الإنترنت التي تغزو مجال الصحة والطب والتدريب الصيدلاني: بالمؤتمر الدولي لجامعة عين شمس أبريل ٢٠١٨ م.
23. **Spreading awareness about “accepting the other” and “accepting differences between students”** in the faculty, 2019.
- نشر الوعي حول "قبول الآخر" و "قبول الاختلافات بين الطلاب" بالكلية، ٢٠١٩ م.
24. **Spreading awareness of building personality and working on human development among students of the FOPASU 2019 and for students of FOP 6 October 2019.**
- نشر الوعي ببناء الشخصية والعمل على التنمية البشرية بين طلاب FOPASU ٢٠١٩ م وطلاب FOP 6 أكتوبر ٢٠١٩ م

25. I am the author of a Human Development book; which is a summary of my life experience, being a mentor/guide for students and youth to define their goal(s) in life and define him/herself and many other topics, entitled "A Journey of Life: Who Are You and What Do You Want? Tales of Hope and Pain" for the year 2019-2020.

الطبعة الأولى بمصر عن النخبة للطباعة والنشر والتوزيع

* تأليف كتاب تنمية إنسانية هو خلاصة خبرة حياة وتعامل وإرشاد للطلاب والشباب لتحديد هدفه بالحياة وتعريف ذاته وغيرها من الموضوعات، بعنوان "رحلة حياة: من أنت وماذا تريد؟ حكايات الأمل والألم" لعام ٢٠١٩م

<https://draft.blogger.com/blog/posts/2127623630504719783>

رقم الإيداع: 2019/22468 التقييم الدولي: 1-403-838-977-978



26. رحلة حياة (٢) قواعد_٢٠٢٠ برحلة الحياة

رقم الإيداع: 2025/ 9350

الترقيم الدولي: 8 - 18 - 8292 - 633 - 978



27. The writer of the Poem book #1; "Tales of Feelings" year 2021. "حكايات مشاعر"

مشاعر

* كتاب النصوص والشعر الأول ٢٠٢١م

فاز بمسابقة اللغة العربية من تنظيم ج عين شمس من ضمن فاعليات احتفالية الجامعة باليوم العالمي للغة العربية، ١٨ ديسمبر ٢٠٢١م، لفئة الشعر، بتحكيم أعضاء بالمجمع اللغوي وأساتذة بكليات الآداب والألسن والبنات والتربية بالجامعة.

الطبعة الأولى بمصر عن النخبة للطباعة والنشر

والتوزيع رقم الإيداع: 2021/09499

الترقيم الدولي: 7-683-838-977-978



28. I am the writer of the Poem book #2; "Feelings Colors" year 2022.

* كتاب النصوص والشعر الثاني
للعام ٢٠٢٢ م
يعنوان: "ألوان من المشاعر"
حكايات مشاعر ٢

الطبعة الأولى بمصر عن النخبة للطباعة والنشر والتوزيع

رقم الإيداع: 2022/2926

الترقيم الدولي: 978-977-839-788-9
الطبعة الثانية ٢٠٢٣ م عن منصة كتبنا



29. I am the writer of the Poem book # 3; "A Date with Feelings" year 2022.

* كتاب النصوص والشعر الثالث
للعام ٢٠٢٢ م
يعنوان: "موعد مع
المشاعر": حكايات مشاعر ٣

الطبعة الأولى بمصر عن النخبة للطباعة والنشر والتوزيع

رقم الإيداع: 2022/9933

الترقيم الدولي: 978-977-839-816-9



30. I am the writer of the Poem book #4; "Music of Feelings" year 2023.

* كتاب النصوص والشعر الرابع
للعام ٢٠٢٣ م
يعنوان: "دندنة مشاعر":
حكايات مشاعر ٤

الطبعة الأولى بمصر عن منصة كتبنا

رقم الإيداع: 27461/2022

رقم ك: 978-977-990-960-8



31. The writer of the Poem book #5; "Thoughts of Feelings" year 2023.

* كتاب النصوص والشعر الخامس
للعام ٢٠٢٣ م
يعنوان: "خواطر مشاعر":
حكايات مشاعر ٥

الطبعة الأولى بمصر عن النخبة للطباعة والنشر والتوزيع

رقم الإيداع: 2023/9361

الترقيم الدولي: 978-977-838-904-3



32. I am the writer of the Poem book #6; "Feelings Death" year 2023.

*كتاب النصوص والشعر السادس
للعام ٢٠٢٣ م بعنوان: " وفاة مشاعر":
حكايات مشاعر ٦
الطبعة الأولى بمصر عن النخبة للطباعة
والنشر والتوزيع
رقم الإيداع: 2023/14080
الترقيم الدولي: 978-977-838-920-3



33. The writer of the Poem book #7; "Sunset & sunrise Feelings" year 2023.

*كتاب النصوص والشعر السابع
للعام ٢٠٢٣ م بعنوان: " غروب وشروق
مشاعر": حكايات مشاعر ٧
الطبعة الأولى بمصر عن النخبة للطباعة
والنشر والتوزيع
رقم الإيداع: 2023/14081
الترقيم الدولي: 978-977-838-921-0



34. The writer of the Poem book #8; "Feelings between Misery and Meeting" year 2023.

*كتاب النصوص والشعر الثامن للعام
٢٠٢٣ م بعنوان: " مشاعر على قيد
الشقاء أو اللقاء": حكايات مشاعر ٨
الطبعة الأولى بمصر عن النخبة
للطباعة والنشر والتوزيع
رقم الإيداع: 2023 /27469
الترقيم الدولي: 978-977-838-981-4



35. The writer of the Poem book #9; "Scenes" year 2024.

*كتاب النصوص والشعر التاسع
"مشاهد" للعام ٢٠٢٤ م
الطبعة الأولى بمصر عن النخبة للطباعة
والنشر والتوزيع
رقم الإيداع: 2024 /9029
الترقيم الدولي: 978-977-8756-12-8



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