

PERSONAL INFORMATION

Mohamed Ahmed Aboouf Ali



📍 93A Gesr El-Suez, Heliopolis, Cairo, Egypt

☎ +201154561204 📱 WhatsApp: +1706-765-5316

Mohamed.aboouf@pharma.asu.edu.eg

Sex Male

Date of birth 04 April 1987

Nationality Egyptian.

Marital status: Single.

WORK EXPERIENCE

October 2021-Present

Supervisor of Cell culture facility in central research lab

Faculty of Pharmacy, Ain shams University
African Union Organization St, Abbassia, Cairo (Egypt)

March 2021-Present

Assistant professor, Department of Clinical Pharmacy

Faculty of Pharmacy, Ain shams University
African Union Organization St, Abbassia, Cairo (Egypt)

March 2021-Present

Assistant professor, Department of Clinical Pharmacy practice

Part time, Faculty of Pharmacy, British university in Egypt (BUE)
El-Shrouq city, Cairo (Egypt)

January 2018- January 2021

Research collaborator

Department of Surgery, University of Illinois at Chicago. Chicago, IL, USA.

Department of Obstetrics and Gynaecology, University of Illinois at Chicago. Chicago, IL, USA.

- Leading several research projects to investigate Uterine fibroid pathogenesis through environmental versus genetic and epigenetic interaction at stem cell level and its effects on several pathways including DNA repair machinery, beta-catenin signalling and inflammation, ethnic disparity in uterine fibroid incidence among African American and Caucasian women and exploring novel natural and epigenetic based therapies for treatment of uterine fibroids.
- Actively involved in designing experiments and generating data for several NIH funded grants in the laboratory.
- Developing a non-invasive probe for differentiating benign uterine fibroid versus malignant leiomyosarcoma.
- In charge of Human fibroid and myometrium tissue collection and stem cell isolation using flow cytometry/cell sorting technique.
- Guiding and teaching new and junior researchers in the lab about research techniques.

May 2016-December 2017

International research Scholar

Division of Translational Research, Department of Obstetrics and Gynecology, Medical College of Georgia (MCG), Augusta University, Augusta, GA, USA.

- Responsible for three running important translational projects at Dr Ayman Al-Hendy lab, concerning exploring the impact of both novel pharmacological and natural compounds on treatment/prevention of uterine fibroids and understanding the mechanism of their actions.
- In collaboration with other lab members in the novel stem cell based regenerative therapy as translational reproductive therapy for diseases premature ovarian failure and polycystic ovarian syndrome.
- Assisting the lab manager in organizing the lab and taking care of the animal colonies.

March 2014-April 2016

Assistant Lecturer/ Researcher, Department of Clinical Pharmacy

Faculty of Pharmacy, Ain shams University
African Union Organization St, Abbassia, Cairo (Egypt)

- Supervision of Undergraduate Clinical pharmacy practical courses at Clinical pharmacy department.
- Supervision and co-ordination of practical training of undergraduate students in Hospitals.
- Supervision of Postgraduate clinical pharmacy diploma, Faculty of pharmacy, Ain shams university, Cairo, Egypt.
- Establishment of Drug & poison information centre, Faculty of pharmacy, Ain shams university, Cairo, Egypt.
- Researcher in core facility of Faculty of Pharmacy, Ain shams University

February 2010 – March 2014

Teaching/Research assistant, Department of Clinical Pharmacy

Faculty of Pharmacy, Ain shams University
African Union Organization St, Abbassia, Cairo (Egypt)

- Preparing practical sessions, reviewing student activities, marking assignments
- Teaching courses included clinical pharmacy, pharmacotherapy, pharmacy practice, applied therapeutics, hospital pharmacy, first aid, biostatistics, patient counselling and drug & poison information to undergraduates.
- Teaching assistant for postgraduates in Clinical pharmacy Diploma degree granted from Faculty of Pharmacy, Ain shams University.
- Researcher at clinical pharmacy department lab, Faculty of Pharmacy, Ain shams University

Nephrology clinical pharmacist

National Institute of Urology and Nephrology Cairo, Egypt

- As a part of MSc program, optimized the medication plans for Chronic Kidney disease patients undergoing Haemodialysis and running consented clinical trial exploring the role of oral L-carnitine supplement in improving the anaemia and dyslipidaemia as complications on those patients including analysis patient samples using several research techniques as ELISA and spectrophotometry.

September 2011 – April 2016

Quality Assurance Coordinator

CQAP unit, Faculty of Pharmacy, Ain shams University

- Member of team responsible for Faculty accreditation.

July 2009 – December 2012

Consultant retail Pharmacist, El-Ezaby chain Pharmacies

Heliopolis branch, Heliopolis, Cairo

- 2 years placement as pharmacist shift manager in the biggest pharmacies chain in Egypt: patient counselling, preparation and dispensing of drugs.
- Then for the next years placed as pharmacy assistant manager: developed communication and business awareness, took the initiative to largely reorganize stock and improve its handling, learned teamwork, meeting deadlines and doing several works in parallel.

December 2012- March 2016

Medical scientific specialist, El-Ezaby chain Pharmacies administration office

Cairo, Egypt

- Marketing department had the opportunity to contact prime physicians and making scientific medical advising.

EDUCATION AND TRAINING

2015- 2020

PhD in Pharmaceutical Sciences, Clinical Pharmacy Speciality –
Thesis title “Impact of interdisciplinary Translational Research in
developing innovative therapeutic strategies in clinical pharmacy
science “

International PhD student in a Joint supervision program between Ain Shams
University and Dr Ayman Al-Hendy research lab, funded the first two years by
Egyptian government and the latter two years by the principal investigator DR.
Ayman Al-Hendy fund.

2010-2014

Masters in Pharmaceutical Sciences, Clinical Pharmacy speciality. –
Thesis Title “Impact of oral L-Carnitine on the clinical outcome of
haemodialysis patients”

Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.

2005-2009

Bachelor of Pharmaceutical Science

Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.
Excellent with Honour (Class rank: **2nd** of 655 students)
GPA: 3.9.

2002-2004

Certificate of General Secondary Education “Thanawiya Amma”
Tabary Secondary School, Heliopolis, Cairo (98.5%)

2010-2019

Training Courses

- COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI PROGRAM)
- Strategies for Writing Successful Grant Applications (Elsevier)
- Chemical safety training, College of Medicine. University of Illinois at Chicago (UIC).
- Biohazards safety training, College of Medicine. University of Illinois at Chicago.
- Animal training, College of Medicine. University of Illinois at Chicago.
- Writing grant proposal. College of Medicine. University of Illinois at Chicago
- Introductory Bioinformatics course. Research Informatics Core. Research resource center. UIC
- Flow cytometry, Flow Cytometry core, research resource center, UIC.
- How to conduct clinical research. Center for clinical and translational Science. UIC
- Attended Human Research Academy 101-Fall 2016, Augusta University, Augusta, Georgia. Concerning ethical conduction of human clinical trials and duties of clinical research associate.
- Attending the weekly clinical research meeting of Dr Ayman Al-Hendy regarding the follow up of his ongoing clinical trials.
- Chemical safety training, Augusta University.
- Biohazards safety training, Augusta University.
- Animal training, Augusta University.
- Attended Clinical Pharmacy Seminar Series of continuing education activity conducted in Misr International University, by The University of South Carolina College of Pharmacy (15th Mar. 12), titles discussed:
 - Pharmacy role in achieving health outcome by Prof. Joseph Dipirio, Dean of South Carolina College of pharmacy
 - Counselling on respiratory disorder by Dr. Cecily Dipiro, Consultant Clinical Pharmacist
 - Counselling on cancer treatment by Dr. Roweina Schwartz, Senior Director, Clinical Content and Services, McKesson Specialty Health
- Drug information workshop, Misr International University.
- Clinical pharmacy practice course conducted in faculty of pharmacy, Cairo University.
- PK/PD modelling and simulation workshop held in the Children's Cancer Research Hospital (57357) in Cairo, Egypt organized by the Arab Society of Clinical Pharmacology (ASCP).
- Case based introduction to biostatistics.
- Principles of clinical pharmacology.
- Writing in science.
- Effective Presentation.
- Communication skills.
- International publishing.
- SPSS.
- Use of technology in teaching.
- Conferences Organization.
- First Aid Course by Egyptian Red Crescent.
- Shape your future held by Egyptian pharmacy syndicate.
- Nature research academies workshops (Clinical research methodology, successful pre-submission publishing strategies, effective post-submission publishing strategies, academic writing, logical manuscript structure, Data publishing)
- Elsevier researcher academy: Strategies for Writing Successful Grant Applications

PERSONAL SKILLS

Mother tongue(s)

Arabic

Other language(s)

English

| UNDERSTANDING | | SPEAKING | | WRITING |
|---------------|---------|--------------------|-------------------|---------|
| Listening | Reading | Spoken interaction | Spoken production | |
| C1 | C1 | C1 | C1 | C1 |
| TOEFL IBT. | | | | |

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Communication skills

- Teamwork: collaborated and communicated efficiently at all professional levels: research teams, teaching assistant consortium and pharmacy team, collaborated with other scientists, outlining objectives, methodology, and conclusions, actively listening to people and stimulating interest and discussion.
- Strong communication/presentation skills: presented data clearly and confidently to both small and large groups, adapting style and content to the level of knowledge and understanding of others.
- Excellent interpersonal skills, self-motivated and able to work under stress and learn rapidly
- Exchanged constructive feedback and support and learned delegating responsibility.

Organisational / managerial skills

- Excellent organizational and prioritization skills, acquired whilst working for more than five years in research, teaching and community pharmacy fields at the same time with full competency. In each, I am responsible for a team of junior researchers, TAs or pharmacists.

Job-related skills

- Have an excellent academic, research and practical background in the field of clinical pharmacy. Very interested in patient's care, disease management and patient counselling.
- Basic and translational research Laboratory experience including working on stem cells and uterine fibroid patient samples.
- Basic research working techniques including cell culture, protein extraction, nucleic acid extraction, immunoblotting, real time quantitative polymerase chain reaction, immunofluorescence, flow-cytometry, cell sorting, genotyping and ELISA.
- Supervised and taught students, junior researchers and junior pharmacists adapting to different scientific levels and backgrounds, stimulating discussion and reflexion.
- Human and Rat tissue dissociation and isolation of primary and stem cells.
- Animal work experience including Intraperitoneal, subcutaneous injections to mice and rats, running surgeries like laparotomy and subcutaneous implants.
- Research proposal and grants writing.
- Participated in evaluation juries and marked students' essays.
- Teaching Skills to small and large groups in clear efficient methodology.

Computer skills

- Excellent command of Microsoft Office™ applications: PowerPoint, Access, Excel, Word
- Excellent command of SPSS, Graph pad, Adobe Photoshop, Image lab 5.1, Bio-Rad CFX manager 3.1, Zen blue/ black for confocal microscopy image processing, NIH supported image J.
- Basic background in using R package and Linux.

Other skills

- I have actively participated in organization of successful regional conference organized by faculty of pharmacy, Ain Shams University, Cairo (14-16th) October,2014 being a member of the editorial committee.
- I have great interest in history, particularly antiquity, and organize readings, museum visits and travels accordingly. I also enjoy practicing and watching soccer.
- Member of Resala Charity organization, Egypt.
- Scientific judge in the final clinical pharmacy and community pharmacy workshop competition activates in SCOPS (student conference of pharmaceutical science) Ain shams University.
- Member of Medical Caravan 2007: Medical Awareness team
- Member of Medical Caravan 2008: Pharmacy team
- Member of Immune-modulation diploma (IMcert) funded by Erasmus mundus.
- Scientific committee member for 9th annual Ain Shams university international conference.

Memphership

August 2019 -now

American Society for Reproductive Medicine (ASRM), USA.

August 2016 -now

American College of Clinical Pharmacy (ACCP), USA.

Publications

1. **Ali M**, Al-Hendy A. Selective progesterone receptor modulators for fertility preservation in women with symptomatic uterine fibroids. *Biol Reprod*. 2017;97(3):337-352. doi:10.1093/biolre/iox094
2. **Ali M**, Chaudhry ZT, Al-Hendy A. Successes and failures of uterine leiomyoma drug discovery. *Expert Opin Drug Discov*. 2018;13 (2):169-177. doi:10.1080/17460441.2018.1417381
3. Hoda Elkafas, **Mohamed Ali**, Ayman AlHendy (2017) *Leiomyomas*. Encyclopaedia of reproduction.
4. **Ali M**, Al-Hendy A. Uterine fibroid therapy: the pharmacokinetic considerations. *Expert Opin Drug Metab Toxicol*. 2018;14 (9):887-889. doi:10.1080/17425255.2018.1506766
5. **Ali M**, Jackson-Bey T, Al-Hendy A. Simvastatin and uterine fibroids: opportunity for a novel therapeutic option. *Fertil Steril*. 2018;110 (7):1272-1273. doi:10.1016/j.fertnstert.2018.08.043
6. Yang Q, **Ali M**, El Andaloussi A, Al-Hendy A. The emerging spectrum of early life exposure-related inflammation and epigenetic therapy. *Cancer Stud Mol Med*. 2018;4(1):13-23. doi:10.17140/CSMMOJ-4-125
7. **Ali M**, Shahin SM, Sabri NA, Al-Hendy A, Yang Q. Hypovitaminosis D exacerbates the DNA damage load in human uterine fibroids, which is ameliorated by vitamin D3 treatment. *Acta Pharmacol Sin*. 2019;40(7):957-970. doi:10.1038/s41401-018-0184-6
8. **Ali M**, Al-Hendy A, Yang Q. Vitamin D, a promising natural compound with anti-uterine fibroid characteristics. *Fertil Steril*. 2019;111(2):268-269. doi:10.1016/j.fertnstert.2018.11.004
9. **Ali M**, Shahin SM, Sabri NA, Al-Hendy A, Yang Q. 1,25 Dihydroxyvitamin D3 Enhances the Antifibroid Effects of Ulipristal Acetate in Human Uterine Fibroids. *Reprod Sci*. 2019;26(6):812-828. doi:10.1177/1933719118812720
10. Ulin M, **Ali M**, Chaudhry ZT, Al-Hendy A, Yang Q. Uterine fibroids in menopause and perimenopause. *Menopause*. 2020;27(2):238-242. doi:10.1097/GME.0000000000001438 (Shared First author)
11. Takala H, Yang Q, El Razek AMA, **Ali M**, Al-Hendy A. Alcohol Consumption and Risk of Uterine Fibroids. *Curr Mol Med*. 2020;20(4):247-258. doi:10.2174/1566524019666191014170912
12. **Ali M**, Shahin SM, Sabri NA, Al-Hendy A, Yang Q. Activation of β -Catenin Signaling and its Crosstalk With Estrogen and Histone Deacetylases in Human Uterine Fibroids. *J Clin Endocrinol Metab*. 2020;105(4):e1517-e1535. doi:10.1210/clinem/dgz227
13. **Ali M**, Prince L, Al-Hendy A. Vitamin D and uterine fibroids: preclinical evidence is in; time for an overdue clinical study!. *Fertil Steril*. 2020;113(1):89-90. doi:10.1016/j.fertnstert.2019.10.015
14. Ciebierska M, **Ali M**, Prince L, et al. The Evolving Role of Natural Compounds in the Medical Treatment of Uterine Fibroids. *J Clin Med*. 2020;9(5):E1479. Published 2020 May 14. doi:10.3390/jcm9051479 (Shared First author)
15. Elsharoud, A., **Ali, M.**, Al-Hendy, A. Relugolix. GnRH (LHRH) receptor antagonist, Treatment of uterine fibroids, Treatment of endometriosis-related pain, Treatment of prostate cancer. *Drugs Fut* 2019, 44(2): 131
16. Elkafas H, **Ali M**, Elmorsy E, et al. Vitamin D3 Ameliorates DNA Damage Caused by Developmental Exposure to Endocrine Disruptors in the Uterine Myometrial Stem Cells of Eker Rats. *Cells*. 2020;9(6):1459. Published 2020 Jun 12. doi:10.3390/cells9061459
17. Ciebiera M, **Ali M**, Zgliczyńska M, Skrzypczak M, Al-Hendy A. Vitamins and Uterine Fibroids: Current Data on Pathophysiology and Possible Clinical Relevance. *Int J Mol Sci*. 2020;21(15):E5528. Published 2020 Aug 1. doi:10.3390/ijms21155528
18. **Ali M**, Esfandyari S, Al-Hendy A. Evolving role of microRNAs in uterine fibroid pathogenesis: filling the gap!. *Fertil Steril*. 2020;113(6):1167-1168. doi:10.1016/j.fertnstert.2020.04.011
19. **Mohamed Ali**, Zunir Tayyeb Chaudhry, Ayman Al-Hendy. *Uterine Fibroids in postmenopausal women*. Modern Management of Uterine Fibroids, Cambridge University Press, University of Cambridge. 2020
20. **Mohamed Ali**, Zunir Tayyeb Chaudhry, Ayman Al-Hendy. *Ulipristal and other medical interventions for the management of fibroids*, Modern Management of Uterine Fibroids. Cambridge University Press, University of Cambridge. 2020
21. Ciebiera M, **Ali M**, Prince L, Zgliczyński S, Jakiel G, Al-Hendy A. The Significance of Measuring Vitamin D Serum Levels in Women with Uterine Fibroids. *Reprod Sci*. 2020 Oct 27. doi: 10.1007/s43032-020-00363-8. Epub ahead of print. PMID: 33108619.
22. **Mohamed Ali**, Sara A.R. & Ayman Al Hendy (2021) Elagolix in the treatment of heavy menstrual bleeding associated with uterine fibroids in premenopausal women, Expert Review of Clinical Pharmacology, DOI: 10.1080/17512433.2021.1900726
23. Chen H-Y, Chiang Y-F, Huang J-S, Huang T-C, Shih Y-H, Wang K-L, **Ali M**, Hong Y-H, Shieh T-M, Hsia S-M. Isoliquiritigenin Reverses Epithelial-Mesenchymal Transition Through Modulation of the TGF- β /Smad Signaling Pathway in Endometrial Cancer. *Cancers*. 2021; 13(6):1236. <https://doi.org/10.3390/cancers13061236>
24. Ciebiera, M.; Esfandyari, S.; Sibli, H.; Prince, L.; Elkafas, H.; Wojtyła, C.; Al-Hendy, A.; **Ali, M.** Nutrition in Gynecological Diseases: Current Perspectives. *Nutrients* 2021, 13, 1178. <https://doi.org/10.3390/nu13041178>
25. Huang, Y.-J.; Chang, C.-C.; Wang, Y.-Y.; Chiang, W.-C.; Shih, Y.-H.; Shieh, T.-M.; Wang, K.-L.; **Ali, M.**; Hsia, S.-M. Adlay Testa (Coix lachryma-jobi L. var. Ma-yuen Stapf.) Ethanolic Extract and Its Active Components Exert Anti-

- Proliferative Effects on Endometrial Cancer Cells via Cell Cycle Arrest. *Molecules* 2021, 26, 1966. <https://doi.org/10.3390/molecules26071966>
26. Chang, Y.-H.; Chiang, Y.-F.; Chen, H.-Y.; Huang, Y.-J.; Wang, K.-L.; Hong, Y.-H.; **Ali, M.**; Shieh, T.-M.; Hsia, S.-M. Anti-Inflammatory and Anti-Hyperuricemic Effects of Chrysin on a High Fructose Corn Syrup-Induced Hyperuricemia Rat Model via the Amelioration of Urate Transporters and Inhibition of NLRP3 Inflammasome Signaling Pathway. *Antioxidants* 2021, 10, 564. <https://doi.org/10.3390/antiox10040564>
 27. Chiang, Yi-Fen; Tsai, Chih-Hung; Chen, Hsin-Yuan; Wang, Kai-Lee; Chang, Hsin-Yi; Huang, Yun-Ju; Hong, Yong-Han; **Ali, Mohamed**; Shieh, Tzong-Ming; Huang, Tsui-Chin; Lin, Ching-I; Hsia, Shih-Min. 2021. "Protective Effects of Fucoxanthin on Hydrogen Peroxide-Induced Calcification of Heart Valve Interstitial Cells" *Mar. Drugs* 19, no. 6: 307. <https://doi.org/10.3390/md19060307>
 28. Chang, Chiung-Yueh; Jin, Jinn-Der; Chang, Hsiao-Li; Huang, Ko-Chieh; Chiang, Yi-Fen; **Ali, Mohamed**; Hsia, Shih-Min. 2021. "Antioxidative Activity of Soy, Wheat and Pea Protein Isolates Characterized by Multi-Enzyme Hydrolysis" *Nanomaterials* 11, no. 6: 1509. <https://doi.org/10.3390/nano11061509>
 29. Huang, Yun-Ju; Chen, Yu-Chieh; Chen, Hsin-Yuan; Chiang, Yi-Fen; **Ali, Mohamed**; Chiang, Wenchang; Chung, Cheng-Pei; Hsia, Shih-Min. 2021. "Ethanol Extracts of Adlay Testa and Hull and Their Active Biomolecules Exert Relaxing Effect on Uterine Muscle Contraction through Blocking Extracellular Calcium Influx in Ex Vivo and In Vivo Studies" *Biomolecules* 11, no. 6: 887. <https://doi.org/10.3390/biom11060887>
 30. Chen, H.-Y.; Chiang, Y.-F.; Wang, K.-L.; Huang, T.-C.; **Ali, M.**; Shieh, T.-M.; Chang, H.-Y.; Hong, Y.-H.; Hsia, S.-M. Rice Husk Silica Liquid Protects Pancreatic β Cells from Streptozotocin-Induced Oxidative Damage. *Antioxidants* 2021, 10, 1080. <https://doi.org/10.3390/antiox10071080>
 31. Chugh RM, Park HS, El Andaloussi A, Elsharoud A, Esfandyari S, Ulin M, Bakir L, Aboalsoud A, **Ali M**, Ashour D, Igboeli P, Ismail N, McAllister J, Al-Hendy A. Mesenchymal stem cell therapy ameliorates metabolic dysfunction and restores fertility in a PCOS mouse model through interleukin-10. *Stem Cell Res Ther.* 2021 Jul 7;12(1):388. doi: 10.1186/s13287-021-02472-w. PMID: 34233746; PMCID: PMC8261924.
 32. Chen H-Y, Cheng W-P, Chiang Y-F, Hong Y-H, **Ali M**, Huang T-C, Wang K-L, Shieh T-M, Chang H-Y, Hsia S-M. Hinokitiol Exhibits Antitumor Properties through Induction of ROS-Mediated Apoptosis and p53-Driven Cell-Cycle Arrest in Endometrial Cancer Cell Lines (Ishikawa, HEC-1A, KLE). *International Journal of Molecular Sciences.* 2021; 22(15):8268. <https://doi.org/10.3390/ijms22158268>.
 33. Chiang, Y.-F.; Chen, H.-Y.; **Ali, M.**; Shieh, T.-M.; Huang, Y.-J.; Wang, K.-L.; Chang, H.-Y.; Huang, T.-C.; Hong, Y.-H.; Hsia, S.-M. The Role of Cell Proliferation and Extracellular Matrix Accumulation Induced by Food Additive Butylated Hydroxytoluene in Uterine Leiomyoma. *Nutrients* 2021, 13, 3074. <https://doi.org/10.3390/nu13093074>
 34. **Ali M**, Raslan M, Ciebiera M, Zaręba K, Al-Hendy A. Current approaches to overcome the side effects of GnRH analogs in the treatment of patients with uterine fibroids. *Expert Opin Drug Saf.* 2021 Oct 6. doi: 10.1080/14740338.2022.1989409. Epub ahead of print. PMID: 34612122.
 35. Garcia N, Ulin M, **Ali M**, Al-Hendy A, Carvalho KC, Yang Q. Evaluation of Hedgehog Pathway Inhibitors as a Therapeutic Option for Uterine Leiomyosarcoma Using the Xenograft Model. *Reprod Sci.* 2021 Oct 12. doi: 10.1007/s43032-021-00731-y. Epub ahead of print. PMID: 34642915.
 36. Qiwei Yang, Michal Ciebiera, Maria Victoria Bariani, **Mohamed Ali**, Hoda Elkafas, Thomas G Boyer, Ayman Al-Hendy, Comprehensive Review of Uterine Fibroids: Developmental Origin, Pathogenesis, and Treatment, *Endocrine Reviews*, 2021;, bnab039, <https://doi.org/10.1210/endrev/bnab039>.

Presentations

1. Poster Presentation "Screening the antiproliferative effect of seven vitamin D analogs on human uterine fibroid." Society of reproductive investigation (SRI) march 2017, Florida, USA. **First Author**
2. Oral presentation "Vitamin D synergizes the antiproliferative, apoptotic, antifibrotic and anti-inflammatory effects of Ulipristal acetate against human uterine fibroids" American society of reproductive medicine (ASRM) November 2017, San Antonio, USA. **First Author**
3. Poster presentation "Hypovitaminosis D exacerbates DNA damage load and genomic instability in human uterine fibroids which is ameliorated by Vitamin D3 treatment" American society of reproductive medicine (ASRM) November 2017, San Antonio, USA. **First Author**
4. Poster presentation "Towards stem cell therapy of polycystic ovary syndrome (PCOS): human mesenchymal stem cells engraftment in letrozole-induced PCOS murine model" American society of reproductive medicine (ASRM) November 2017, San Antonio, USA. **Co-author**
5. Oral presentation "Synergistic effect of simvastatin and Ulipristal acetate on uterine leiomyoma" American society of reproductive medicine (ASRM) November 2017, San Antonio, USA. **Co-author**
6. Poster presentation "Ulipristal Acetate Inhibits Wnt Signaling Pathways in Human Uterine Fibroids" Society of reproductive investigation (SRI) march 2018, San Diego, USA. **First Author**

7. Poster presentation "Vitamin D Reverses Uterine Fibroids Associated DNA Damage" Society of reproductive investigation (SRI) march 2018, San Diego, USA. **First Author**
8. Poster presentation "Regulation of a Key DNA Repair Member RAD50 in Human Uterine Fibroids" American society of reproductive medicine (ASRM) October 2018, Denver, USA. **Co-author**
9. Poster presentation "Mislocalization of β -Catenin is Causally Linked to Uterine Fibroids Phenotype: Mechanism for Growth and Opportunity for Novel Therapeutics" Society of reproductive investigation (SRI) march 2019, Paris, France. **First Author**
10. Oral presentation "Activation of β -Catenin Responsive Genes through Epigenetic Reprogramming in Myometrial Stem Cells Developmentally Exposed to Endocrine Disrupting Chemicals" Society of reproductive investigation (SRI) march 2019, Paris, France. **Co-author**
11. Poster presentation "Implication of Estrogen and β -catenin Cross-talk on Uterine Fibroids Pathogenesis which is reversed by Histone Deacetylase Inhibitors" College of Medicine research forum, August 2018. Chicago. USA. **First Author**
12. Poster presentation "Developmental exposure to endocrine disrupting chemical diethylstilbestrol reprograms the metabolic related genes in myometrial stem cells" Society of endometriosis and uterine disorders (SEUD), May 2019. Canada. **Co-author**
13. Oral presentation "Targeting β -catenin pathway, a novel mechanism of Histone Deacetylase inhibition on human Uterine Fibroids. Society of endometriosis and uterine disorders (SEUD), May 2019. Canada. **First Author**
14. Poster presentation "Targeting Enhancer of Zeste Homolog 2 (EZH2) with Methyl Jasmonate, a Promising Natural Compound against Human Uterine Fibroids" North American Menopause Society NAMS, September 2019. USA. **First Author**
15. Poster presentation "Reprogramming of Estrogen Signaling by MLL1 Links Developmental Exposure to the Risk of Uterine Fibroids" American society of reproductive medicine (ASRM) October 2019, Philadelphia, USA. **First Author**
16. Poster presentation "Vitamin D3 and its Analogue Paricalcitol reverse DNA Damage in Human Uterine Fibroid Stem Cells: Mechanism for Potential Preventive Therapy" American society of reproductive medicine (ASRM) October 2019, Philadelphia, USA. **First Author**
17. Poster Presentation "Activation of Pro-inflammatory Signaling Of Human Uterine Fibroid Stem Cells" NIEHS February 2020, Durham, USA. **Co-author**
18. Poster Presentation "Genome-scale Identification of Reprogrammed Genes Contributing to a Hyper-estrogenized Phenotype of Uterine Fibroid" NIEHS February 2020, Durham, USA. **Co-author**
19. Poster Presentation "Involvement of DNA Damage Repair Sensors in Ethnic Disparities of Uterine Fibroids" NIEHS February 2020, Durham, USA. **Co-author**
20. Poster presentation "NATURAL COMPOUND METHYL JASMONATE SHOWS PROMISING ANTI-FIBROID EFFECTS IN HUMAN UTERINE FIBROIDS VIA INHIBITION OF EZH2 MEDIATED WNT/ β -CATENIN SIGNALING PATHWAY ACTIVATION" NIEHS February 2020, Durham, USA. **First Author**
21. Oral presentation "PRO-INFLAMMATORY AND IMMUNOSUPPRESSIVE ENVIRONMENT CONTRIBUTES TO THE DEVELOPMENT AND PROGRESSION OF UTERINE FIBROIDS" American society of reproductive medicine (ASRM) October 2020, Virtual conference, USA. **Co-author**
22. Poster presentation "ACTIVATION OF SIRTUIN 3 BY NATURAL COMPOUND HONOKIOL INHIBITS HUMAN UTERINE FIBROID PHENOTYPE" American society of reproductive medicine (ASRM) October 2020, Virtual conference, USA. **Co-author**
23. Poster presentation "UTERINE FIBROID-CAUSING MUTAGENESIS INDUCED BY DEVELOPMENTAL EXPOSURE TO ENDOCRINE DISRUPTING CHEMICALS IS MEDIATED VIA ABROGATION OF NUCLEOTIDE EXCISION REPAIR PATHWAY IN MYOMETRIAL STEM CELLS THROUGH UPREGULATION OF TGF- β 1" American society of reproductive medicine (ASRM) October 2020, Virtual conference, USA. **Co-author**
24. Poster presentation "N⁶-METHYLADENOSINE REGULATORS IN PREVALENCE AND BURDEN OF BLACK WOMEN IN UTERINE FIBROIDS" American society of reproductive medicine (ASRM) October 2020, Virtual conference, USA. **Co-author**
25. Oral presentation "SURVIVIN-SODIUM IODIDE SYMPORTER REPORTER AS A NON-INVASIVE DIAGNOSTIC MARKER TO DIFFERENTIATE BETWEEN UTERINE LEIOMYOSARCOMA VERSUS LEIOMYOMA" American society of reproductive medicine (ASRM) October 2020, Virtual conference, USA. **Co-author**
26. Poster presentation "NATURAL COMPOUND METHYL JASMONATE SHOWS PROMISING ANTI-FIBROID EFFECTS IN HUMAN UTERINE FIBROIDS VIA INHIBITION OF EZH2 MEDIATED WNT/ β -

- CATENIN SIGNALING PATHWAY ACTIVATION” American society of reproductive medicine (ASRM) October 2020, Virtual conference, USA. **First Author**
27. Poster presentation “Imparting Hormone Imprint on Estrogen Responsive Genes Leading to Increased Risk of Uterine Fibroids by Developmental Exposure to Endocrine Disrupting Chemicals” Chicago Biomedical Consortium (CBC) “Epigenetics & Disease” Webinar October 30th 2020. **Co-author**
 28. Poster presentation “Extracellular matrix gene expression in at-risk human myometrial stem cells align with fibroid tumor initiating and is distinct from normal myometrial stem cells” Society of reproductive investigation (SRI) July 2021, Boston, USA. **Co-author**
 29. Poster presentation “INCREASED PRO-INFLAMMATORY SIGNALING OF STEM CELLS CORRELATING WITH THE PHENOTYPE OF UTERINE FIBROIDS” Society of reproductive investigation (SRI) July 2021, Boston, USA. **Co-author**
 30. Poster presentation “Inhibition of MLL1 and HDAC Activity Reverses Reprogrammed Inflammatory Components Induced by Developmental Exposure to an Endocrine Disruptor (Diethylstilbesterol) in Myometrial Stem Cells” Society of reproductive investigation (SRI) July 2021, Boston, USA. **First author.**
 31. Poster presentation “DOWNREGULATION OF SIRT3 CONTRIBUTES TO UTERINE FIBROID PHENOTYPE, WHICH IS INHIBITED BY NATURAL SIRT3 ACTIVATOR HONOKIOL” American society of reproductive medicine (ASRM) October 2021, Baltimore, USA. **First author.**
 32. Poster presentation “EVALUATION OF HEDGEHOG PATHWAY INHIBITORS AS A THERAPEUTIC OPTION FOR UTERINE LEIOMYOSARCOMA USING THE XENOGRAFT MODEL” American society of reproductive medicine (ASRM) October 2021, Baltimore, USA. **Co-author.**
 33. Oral presentation “INHIBITION OF BRD PROTEINS SUPPRESSES THE PHENOTYPE OF UTERINE FIBROIDS VIA REGULATION OF N6-METHYLADENOSINE REGULATORS” American society of reproductive medicine (ASRM) October 2021, Baltimore, USA. **Co-author.**
 34. Oral presentation “TRANSCRIPTOMICS ANALYSIS SHOWS PROFOUND ETHNIC DIFFERENCES IN AT RISK PRE-FIBROID MYOMETRIUM” American society of reproductive medicine (ASRM) October 2021, Baltimore, USA. **Co-author.**
 35. Poster presentation “SIMVASTATIN SUPPRESSES PROLIFERATION, EXTRACELLULAR MATRIX ACCUMULATION AND Wnt4/B-CATENIN PATHWAYS IN HUMAN LEIOMYOMA STEM CELLS” American society of reproductive medicine (ASRM) October 2021, Baltimore, USA. **Co-author.**

Peer Reviewer

- Scientific reports journal (Nature publisher group)
- Journal of Molecular Endocrinology (official journal of the European Society of Endocrinology and the Endocrine Society of Australia)
- The Journal of Clinical Pharmacology
- Reproductive Sciences
- Ginekologia Polska
- MDPI journals (Nutrients, Journal of personalized medicine, medicina, IJMS, genes, epidemiologia)
- Biomedical and Pharmacology Journal
- European Medical journal (EMJ)
- Drugs in R&D
- Molecular and Cellular Biochemistry
- Clinical Pharmacology in Drug Development
- Future Journal of Pharmaceutical Sciences
- Journal of Clinical pharmacy and Therapeutics
- BMC women Health
- Clinical Pharmacokinetics
- Phytomedicine
- International Journal of internal medicine
- International Journal of women health

Patent

- The use of Natural compound Methyl Jasmonate individually or in combination with green tea extract (EGCG) and vitamin D3 for treatment/prevention of Uterine Fibroids. (provisional patent, September 2019)

Awards

- The most popular review article in 2017 from Biology of reproduction journal for the review article 'Selective progesterone receptor modulator for fertility preservation in women with symptomatic fibroids' with more than 5000 reads, award was presented during society for the study of reproduction meeting at New Orleans July 2018.
- 2018 UIC College of medicine research forum. Honourable mention in research assistant professors and scientific staff competition.
- ASRM 2021 Corporate Member Council In-Training Award on abstract "Downregulation of SIRT3 Contributes to Uterine Fibroid Phenotype, which is Inhibited by Natural SIRT3 Activator Honokiol" as first author.
- ASRM 2021 Fibroid Prize Paper on abstract "Transcriptomics Analysis Shows Profound Ethnic Differences in At Risk Pre-Fibroid Myometrium" as co-author.
- Member of Ain Shams quality assurance team who prepared Ain Shams university file for "Best University in applied research" and won first place over Egypt in 2021.

Grants

- Proof of Concept award. UIC Chancellor's Innovation Fund (CIF). Molecular Bio-Imaging Probe for Non-Invasive Differentiation Between Human Uterine Fibroids (Benign) Versus Sarcoma (Malignant) in Women with Suspicious Uterine Masses
- Member of the international project "Immune modulation certificate for postgraduate students enabled by blended learning" Funded by the European commission.

Citations: 292 citation

h-index: 10

Editor:

- Guest editor in pharmaceuticals journal, MDPI for special issue "Developmental Origins and Emerging Therapeutic Opportunities for Uterine Fibroids"

https://www.mdpi.com/journal/pharmaceuticals/special_issues/therapeutic_uterine_fibroids

- Associate editor in Archives in pharmaceutical sciences journal by Faculty of pharmacy, Ain Shams university.

<https://aps.journals.ekb.eg/journal/editorial.board>

- Google Scholar account: <https://scholar.google.com/citations?user=jXfcabUAAAAJ&hl=en>
- Research gate account: https://www.researchgate.net/profile/Mohamed_Ali493
- ORCID ID: 0000-0002-9675-6691
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57214142327>
- Mendeley: <https://www.mendeley.com/impact/mohamed-aboouf-ali/>

Media reports:

- Menopause, The journal of the North American Menopause Society: introductory video for review article

<https://journals.lww.com/menopausejournal/pages/videogallery.aspx?autoplay=false&videoid=22>

- Acta Pharmacologica Sinica (APS): July 2019 issue cover
<https://media.springernature.com/w300/springer-static/cover-hires/journal/41401/40/7>