



Prof. Amani Emam Mohamed Khalifa

Summarized C.V.

- 1- Ph.D. in Pharmacology & Toxicology from College of Pharmacy, University of Georgia, USA (1995).
- 2- Assistant Professor (1996-2001), Associate Professor (2001-2006) then Professor (2006-present) of Pharmacology & Toxicology, Faculty of Pharmacy, Ain Shams University (ASU), Cairo, Egypt.
- 3- Adjunct Assistant/Associate Professor at the American University in Cairo (AUC) (1996-2004).
- 4- Member of the National Committee responsible for monitoring & assessing the achievements of 157 quality assurance and accreditation projects (QAAP) financed by the World Bank and implemented under supervision of European QA consultants in Egyptian Public Universities under the governance of the MOHE (2005-2009).
- 5- Principle Investigator of QAAP & Manager of QA Unit, in Faculty of Pharmacy at ASU (2006-2007).
- 6- Head of Pharmacology & Toxicology Department, Faculty of Pharmacy, ASU (2006-2010).
- 7- Director of Quality Assurance & Qualifying for Accreditation Center (QAQAC), ASU (2007-2012).
- 8- Certified Trainer, The National Center for Faculty and Leadership Development, MOHE (2008).
- 9- Certified Trainer, The School of Continuing Education, AUC (2008).
- 10- Member of the national committee evaluating the status of HE in Egypt in collaboration with experts from the World Bank and Organization for Economic Cooperation & Development (OECD) and the author of "Quality of Higher Education" chapter in the last "Egypt Background Report" (2009).
- 11- Quality Assurance Consultant, Strategic Planning Unit, MOHE (2008-2011).
- 12- Member of the national committee reviewing the strategic plan of MOHE (2010).
- 13- Member of the National Steering Committee for the "Program of Continuous Improvement and Qualifying for Accreditation" (PCIQA), MOHE (2010-2011).
- 14- Vice-Dean for Graduate Studies and Research, Faculty of Pharmacy, ASU (2010-2013).
- 15- Acting Dean of Faculty of Pharmacy, ASU for several periods while being the Vice-Dean for Graduate Studies.
- 16- Certified Reviewer and Chair, The National Authority for Quality Assurance and Accreditation of Education (NAQAAE) (2010- present).
- 17- Representative of MOHE in "The International Network for Quality Assurance Agencies in Higher Education (INQAAHE) Conference" in Spain in April 2011.
- 18- Representative of ASU in "The First Conference of the Arab Network for Quality Assurance in Higher Education (ANQAHE), held in UAE in Dec 2011.
- 19- Prepared a comprehensive strategic plan for development of ASU before the election of a new ASU President in Nov 2011. Was among the final nominees ranked 6th out of 18 candidates.
- 20- Representative of MOHE in the first workshop organized by UNESCO to discuss "Quality Assurance of Higher Education Systems in the Arab States" in Sudan in Nov 2013.
- 21- Board Member, "The National Holding Company for Biological Products & Vaccines" (2012 and 2014-2015).
- 22- Advisor and Board Member of QAQAC, ASU (2012-2014).
- 23- Board Member, Children Cancer Hospital in Egypt 57357 (CCHE 57357) (2012-2014).
- 24- Advisor to the Chairman of "The National Holding Company for Biological Products and Vaccines" for Strategic Planning (2013).
- 25- Member of "The National Committee for Promoting Associate Professors & Full Professors in the Field of Pharmacology and Clinical Pharmacy", Supreme Council of Universities, MOHE (2013-2016).
- 26- Member of the National Specialized Councils for Health Services (2013-2015).
- 27- Certified Board Member, "The Egyptian Financial Supervisory Authority" (2014).
- 28- Representative of MOHE in the Scientific Research Committee, Federation of Egyptian Industries (2014-2016).
- 29- Advisor to the Chairman of CCHE 57357 for Strategic Planning (2014-2016).
- 30- Member of the Supreme Council for Technical Colleges, MOHE (2015- 2016).
- 31- Member of "The National Committee for Pharmacology", Academy of Scientific Research & Technology, MOHE (2014-2018).
- 32- Member of "The National Committee for Preparing "Science, Technology & Innovation Law", MOHE (2016).
- 33- The Academic & Scientific Consultant of CCHE 57357 Hospital Group for Pharmacy Affairs (2016- present).
- 34- External Reviewer, Supreme Council of Private Universities, MOHE (2016-present).
- 35- International Academic Quality Assurance Expert participated in reviewing accreditation standards and in developing a new ranking system for universities worldwide in collaboration with international specialized organizations (2017-present).
- 36- Editorial Board Member of the international scientific journal; "Advances in Cancer Research & Clinical Imaging" (ACRCI) – (2018- Present).

DETAILED CURRICULUM VITAE

PROFESSIONAL BACKGROUND

CONTRIBUTIONS IN SEVEN AREAS:

- 1. QUALITY ASSURANCE AND ACCREDITATION**
- 2. STRATEGIC PLANNING**
- 3. MANAGEMENT & ADMINISTRATION**
- 4. RESEARCH**
- 5. TEACHING**
- 6. COMMUNITY SERVICE**
- 7. INTERNATIONAL COOPERATION**

1- QUALITY ASSURANCE AND ACCREDITATION

Participation in Projects for Development of Higher Education in Egypt through Different Roles as Follows:

- **Project of “Academic Reference Standard for Pharmacy Education in Egypt” (2004-2006):**

Performing the following activities:

1. Attaining the curricula of more than 30 pharmacy schools in USA and UK.
2. Explaining a questionnaire to multinational pharmaceutical companies (Pfizer, BMS, and Novartis) to assess their needs and requirements of pharmacy graduates.
3. Completing the statistical analysis of the questionnaire data and writing the conclusion.
4. Participation in developing the national academic standards for the pharmacy sector.

- **Project for “Establishment of an Internal Quality Assurance System (QAAP) as one of the Quality Assurance and Accreditation Projects of Higher Education in Egypt (2005-2009). This project was financed by the World Bank and implemented with the supervision of European QA Consultants.**

Performing five roles as follows:

1. **Member of the National Committee** responsible for monitoring and assessing the achievements of 157 *quality assurance and accreditation projects in Egyptian*

- Public Universities* supervised by the National Quality Assurance and Accreditation Committee, Ministry of Higher Education (MOHE) (2005-2007).
2. **QA Unit Manager** and the Principle Investigator of QAAP in Faculty of Pharmacy at Ain Shams University (2006).
 3. **Head of the Monitoring and Evaluation Unit** in the Quality Assurance and Qualifying for Accreditation Center (QAQAC) at Ain Shams University (ASU), responsible for monitoring and evaluation of the achievements of **17 QA units** in different faculties of ASU (2007-2008).
 4. **Director of QAQAC at ASU**, who prepared the **report** of achievements performed at ASU Faculties with respect to **QAAP** and **presented** it to the **World Bank representatives** in year 2009.
 5. **“Peer Reviewer”** in many site visits assessing the performance of HE institutions in Egypt toward establishing an internal quality assurance system (2007-2009).
- **Director of QAQAC, ASU (2007-2012)** managing the process of applying for **different projects** for development of education in all the Faculties of ASU. Examples of these **projects** are:
 - Establishment of an Internal Quality Assurance System-First phase (**QAAP-I**).
 - Establishment of an Internal Quality Assurance System-Second phase (**QAAP-II**).
 - Continuous Improvement and Qualifying for Accreditation (**CIQAP**).
 - Developing Academic Programs for Accreditation (**DSASP**).
 - Higher Education Institution Laboratories' Certification (**HLCP**).
 - Development of Students' Assessment Systems (**DFBSP**).
 - Engaging Students in Higher Education Development (**ESEDP**).

The **QAQAC** provided technical support through workshops on how to write proposals of such projects and reviewing the projects before submitting them to the Projects' Management Unit (PMU) in MOHE to be funded. In 2008 to 2010, Faculties of ASU earned funded development projects from MOHE worth **more than LE 100,000,000**.

In 2007 to 2012, Faculties of **Nursing** and **Pharmacy** awarded the "**Accreditation Certificate**" from The National Authority for Quality Assurance and Accreditation of Education (NAQAAE). During the same period, The **QAQAC** attained the **ISO 9001/2000** then **ISO 9001/2008** Certificates.

In 2010, a Consultancy and Training Agreement between QAQAC and QA office at **Cert University, Libya** was approved to technically support the Faculties of Cert University in establishing QA systems through training programs and consultations. This contract is worth about **LE 3,500,000** that is meant to **create income** for the QAQAC.

The **QAQAC** supported ASU Faculties/institutes by guiding faculty members and staff in those faculties to implement the outputs of development projects and by **following up** on the progress in **implementation of improvement plans**. The QAQAC also organized Accreditation **Mock Visits** (Simulation Visits) by certified reviewers and then followed up on the improvement in performance based on the reviewers report before the accreditation visit.

The **QAQAC** also followed up on the implementation of certain **practices that ensure the quality of the educational process at ASU**. Examples of such practices

are: approving course specifications and reports, setting office hours, academic advising, appointing coordinators for courses, student evaluation of courses and feed back to students, announcing results of periodic exams, supporting students at risk of failure, evaluating the performance of administrative departments, meetings of curriculum development committee, and the monthly meeting of the team following up on the implementation of improvement plans.

- **Certified Evaluator/Assessor by the MOHE (2007-present)**, participated in evaluation of **several projects** submitted to be funded by MOHE.

These projects are:

- Establishment of an Internal Quality Assurance System-First phase (QAAP-I).
 - Establishment of an Internal Quality Assurance System-Second phase (QAAP-II).
 - Continuous Improvement and Qualifying for Accreditation (CIQAP).
 - New Programs in Higher Education (**MENPP**).
 - Institutional Strategic Planning (**ISPP**).
 - Developing Academic Programs for Accreditation (DSASP).
 - Higher Education Institution Laboratories Certification (HLCP).
- **Training the Trainers in the Following Programs at ASU (2008-2012) (examples):**
 - ✓ Developing academic reference standards
 - ✓ Preparing faculty annual reports
 - ✓ Preparing reports and specifications of courses & educational programs
 - ✓ Meeting the standards of institutional accreditation
 - ✓ External evaluation of courses and educational programs
 - ✓ Writing action plans for improvement.
 - ✓ Requirements of the developmental engagement phase.
 - ✓ Internal auditing.
 - ✓ Program accreditation.
 - **Consultant** of the Strategic Planning Unit at **MOHE**, participated in preparing the last **Country Background Report of Higher Education in Egypt** and the **author** of the "**Quality of Higher Education**" chapter.

http://s3.amazonaws.com/zanran_storage/mhe-spu.org/ContentPages/2473387763.pdf

Based on this report, and in cooperation with the *Organization for Economic Cooperation and Development (OECD)* and *The World Bank*, the final report of the "National Education Policies' Reviews" was completed as an external Evaluation of higher education in Egypt (2009-2010).

- **Member of the National Steering Committee** for the Program of Continuous Improvement and Qualifying for Accreditation (PCIQA), **MOHE**. This committee reaches decisions related to funding of development projects in public universities in Egypt and it supports institutions to attain accreditation (2010-2011). This committee was not functional later on after Jan 2011 revolution.
- **External Reviewer** of accreditation standards in Faculties of **Political Science, Medicine, Engineering and Science, in Cairo, Sues Canal, and Assiut** Universities respectively through an invitation from The "**Education Development Fund**" (EDF) affiliated to The Egyptian Cabinet of Ministers (2010-2011).
- **External Reviewer and Chair** - the National Authority for Quality Assurance and Accreditation of Education (NAQAAE). Participated as a **Chair** in the accreditation visits

to Faculty of Science, Cairo University and in the simulation visit to Faculty of Medicine, Alexandria University (2010-2015).

- Member of a team of quality experts participating in a project for establishment of a system to evaluate the *governance* in universities at the regional level through cooperation of *MOHE* with both the *Center for Mediterranean Integration and the World Bank (2011)*. In Egypt, a number of public and private universities and Al-Azhar University have participated in the evaluation of different aspects of governance such as mission and objectives, administrative orientation, autonomy, accountability...
- **Representing MOHE** in “The International Network for Quality Assurance Agencies in Higher Education (INQAAHE) Conference” held in Madrid, **Spain** in **April 2011**. *Orally presenting a review* about "**Quality Assurance Processes in Egyptian Higher Education Institutions at Both Institutional and National level: Their Development and Sustainability**". The authors of the review are: **Amani E. Khalifa**, Doaa K. Ibrahim, Hassan A. Al-Shatoury, Ibrahim G. Shaaban, Ahmed M. EL-Gizawy, Hoda A. A. Eltalawy, Tahani F. Youssef, Mostafa M. Radwan, Galal A. Abdellah.
https://www.researchgate.net/publication/282504782_Quality_Assurance_Processes_in_Egyptian_Higher_Education_Institutions_at_Both_Institutional_and_National_level_Their_Development_and_Sustainability
- **Representing ASU** in “The First Conference of the Arab Network for Quality Assurance in Higher Education (ANQAHE), held in Abu Dhabi, **UAE** in **December 2011**. *Orally Presenting* "**The Internal Quality Assurance System at Ain Shams University**".
- **Representing MOHE** in the first workshop organized by **UNESCO** to discuss “**Quality Assurance of Higher Education Systems in the Arab States**” for the purpose of developing a “Higher Education Policy Framework and Resource Pack for the Arab world”. The workshop was conducted in Khartoum, Sudan in November **2013**.
- **External Reviewer, the Supreme Council of Private Universities, participated in evaluating Faculties of Pharmacy at New Giza University, Misr International University, New Domyat University, Future University and Al-Ahram Canadian University (2016- present).**
- **International Academic Quality Assurance Expert** participated in reviewing accreditation standards and in developing a new ranking system for universities worldwide in collaboration with international specialized organizations (**2017-present**).

Performing other academic quality assurance activities while being the “Pharmacy Consultant of Children’s Cancer Hospital, Egypt 57357” (CCHE 57357); the largest pediatric oncology hospital in the world in terms of capacity with 320 beds (2016-present). Examples:

- Collaborating with **University of Colorado, USA** in building the **vision, mission, Intended Learning Outcomes (ILOs), curriculum, admission requirements, progression policies, assessment plan and quality assurance measures** of the **first international Pharm D program in Egypt** which was launched in June 2018 (**Jan 2017-present**).
- **Orally presenting** the measures taken to **assure quality of the clinical pharmacy training program** in CCHE 57357 during the SMART Pharmacy Education Workshop delivered in **1-4 Feb, 2017**. This workshop was conducted in

collaboration with “**Accreditation Council for Pharmacy Education**” (ACPE), USA.

- Supervising the delivery of a workshop titled “**Innovative Model to Drive Changes in Pharmacy Education and Practice in Egypt**” in collaboration with “**Accreditation Council for Pharmacy Education**” (ACPE), USA representatives (5 Feb, 2017).
- Supervising the process of **improving the quality of hospital pharmacy services, clinical pharmacy training program and preceptor development in addition to establishing a residency program** in collaboration with the “**American Society of Health-System Pharmacists**” (ASHP) through **an external review site visit** conducted on April 10th 2017 for four days.
- Finalizing a **preceptorship development agreement with University of Colorado Skaggs School of Pharmacy and pharmaceutical Sciences** and supervising the delivery of the workshop onsite in 57357 CCHE premises in May 2017.
- Finalizing an **agreement with the American College of Clinical Pharmacy (ACCP) to develop the skills of clinical pharmacy preceptors** and to prepare them for the **first international pharmacy practice residency program in Egypt** launched in 57357 CCHE in November 2017 to be accredited by ASHP.

2- STRATEGIC PLANNING

The following roles were performed:

- **Training** faculty members and staff in Faculties/Institutes of ASU on how to prepare **strategic plans** for improvement and then **reviewing** such plans including Faculties of Nursing, Pharmacy, Medicine, Dentistry, Engineering, Law, Arts, Languages, Education & Science in addition to the College for Girls, "Childhood Graduate Studies Institute" and "Environmental Studies & Research Institute ". Faculties at ASU submitted these strategic plans to be funded from the MOHE & to be qualified for accreditation (2007-2012).
- **Consultant of Strategic Planning Unit (SPU), MOHE** participated in reviewing the "National Higher Education Strategic Plan" in 2010.
- **Regional Strategic Planning Expert, The Egyptian Committee for Education, Science and Culture (ECESCO)** participated among other regional experts in the Conference of “Developing the Strategic plan for Higher Education in The Arab World” organized by MOHE. *Orally presented "The Strategic Plan for Developing Higher Education in Egypt"*. Also participated in discussions toward reaching recommendations to develop the strategic plan for higher education in the Arab world (2010).
- Member of the committee in charge of a strategic planning project for the health sector in Egypt. This project evaluated current status of higher education in the health sector with respect to access, equity, quality, internal efficiency, external efficiency, governance, scientific research, finance, & internationalization. Based on the results of the analysis, a strategic plan for development of this sector will be prepared considering labor market needs (2010).

- Member of the Committee concerned with **preparing and updating the ASU strategic plan (2010-2012)**.
- Prepared a **comprehensive strategic plan** for development of ASU before the election of a new ASU President in Nov 2011. Was among the final nominees ranked 6th out of 18 candidates.
- **Advisor to the Chairman** of "The National Holding Company for Biological Products and Vaccines" for **Strategic Planning (2013)** supervised preparing a strategic plan (2014-2019) for **one of the subsidiary companies** named "**Egyptian Company for Production of Sera, Vaccines, and Drugs**" which turned profitable in 2015 after one year of implementing the plan.
- **Advisor to the Chairman** of "57357 Children Cancer Hospital in Egypt for strategic planning (2014-2016) participated in preparing the strategic plan 2020 of the hospital among a team of two strategic planning consultants, hospital leadership and staff.

3- MANAGEMENT & ADMINISTRATION

The Following Roles Reflect the Administrative & Managerial Skills:

- The **first faculty member appointed in Faculty of Pharmacy, ASU** in 1996 and hence took full responsibility in a number of **managerial, technical and administrative activities/positions** as follows:
 - ✓ Developing complete **specifications** for **laboratories** including all **equipment**, glassware, and chemicals, and supervised the **tendering** and delivery according to specs (1996-2000).
 - ✓ **Acting Manager** of the Experiments and Advanced Pharmaceutical Research Unit (EARU), Faculty of Pharmacy, ASU (2004-2005).
 - ✓ **Acting Head** of "The Pharmacology and Toxicology Department", Faculty of Pharmacy, ASU (2005-2006).
 - ✓ **Secretary-General**, Faculty of Pharmacy Council, ASU (2005-2006)
 - ✓ **Head of "Control and Exam Logistics' Body" for Pre-pharmacy Students, ASU (2005-2007).**
 - ✓ **Principal Investigator of Quality Assurance & Accreditation Project**, Faculty of Pharmacy, ASU (2006).
 - ✓ **Quality Assurance Unit Manager**, Faculty of Pharmacy, ASU (2006).
 - ✓ **Head** of "The Pharmacology and Toxicology Department", Faculty of Pharmacy, ASU (2006-2010).
 - ✓ **Vice-Dean for Graduate Studies & Research**, Faculty of Pharmacy, ASU (2010-2013).
 - ✓ **Acting Dean** of the Faculty of Pharmacy, ASU for several periods between 2011 and 2013 while being the Vice-Dean for Graduate Studies & Research.
- Director of Quality Assurance & Qualifying for Accreditation Center, ASU (2007-2012).
- Member of the National Steering Committee for the "Program of Continuous Improvement and Qualifying for Accreditation" (PCIQA), MOHE (2010-2011). This committee was not functional after January, 2011 revolution.

- Board Member, 57357 Children Cancer Hospital in Egypt (2012-2014).
- Board Member of QAQAC, ASU (2012-2014).
- Board Member, "The National Holding Company for Biological Products & Vaccines" (2012 and 2014-2015).
- Certified Board Member, "The Egyptian Financial Supervisory Authority" (2014).
- Member of the Supreme Council for Technical Colleges, MOHE (2015- 2016).

4- RESEARCH EXPERIENCE

- **Current research project:** "Determining the Most Accurate Method for Estimation of Glomerular Filtration Rate in Egyptian Pediatric Oncology Patients" in collaboration with pediatric oncologists and clinical pharmacists at CCHE 57357.
- **Ongoing Research publications in the area of "Pharmacology" & "Toxicology" with a continuous research output indicated by the following publications:**

Research stream in the area of "Neuroscience", "Neuropsychopharmacology" and "Neurotoxicology":

1. Elsayed AA, Menze ET, Tadros MG, Ibrahim BMM, Sabri NA, **Khalifa AE**. Effects of genistein on pentylenetetrazole- induced behavioral and neurochemical deficits in ovariectomized rats. Naunyn Schmiedebergs Archives of Pharmacology **2018**; 391: 27–36.
2. Salama RM, Tadros MG, Schaalán MF, Bahaa N, Abdel-tawab MA, **Khalifa AE**. Potential neuroprotective effect of androst-5-ene-3 β , 17 β -diol (ADIOL) on the striatum, and substantia nigra in Parkinson's disease rat model. Journal of Cellular Physiology **2017**; 1–20.
3. Wahdan SA, Tadros MG, **Khalifa AE**. Antioxidant and antiapoptotic actions of selegiline protect against 3-NP-induced neurotoxicity in rats. Naunyn Schmiedebergs Archives of Pharmacology **2017**; 390: 905-917.
4. Michel HE, Tadros MG, Esmat A, **Khalifa AE**, Abdel-Tawab AM. Tetramethylpyrazine Ameliorates Rotenone-Induced Parkinson's Disease in Rats: Involvement of Its Anti-Inflammatory and Anti-Apoptotic Actions. Molecular Neurobiology **2017**; 54:4866-4878.
5. Menze ET, Esmat A, Tadros MG, **Khalifa AE**, Abdel-Naim AB. Genistein improves sensorimotor gating: Mechanisms related to its neuroprotective effects on the striatum. Neuropharmacology **2016**; 105:35-46.
6. Hanna DMF, Tadros MG, **Khalifa AE**. ADIOL protects against 3-NP-induced neurotoxicity in rats: Possible impact of its anti-oxidant, anti-inflammatory and anti-apoptotic actions. Progress in Neuro-Psychopharmacology & Biological Psychiatry **2015**; 60: 36–51.
7. Menze ET, Esmat A, Tadros MG, Abdel-Naim AB, **Khalifa AE**. Genistein Improves 3-NPA-Induced Memory Impairment in Ovariectomized Rats: Impact of Its Antioxidant, Anti-Inflammatory and Acetylcholinesterase Modulatory Properties. PIOS ONE **2015**; 10:1-21.

8. Mahdy HM, Mohamed MR, Emam MA, Karim AM, Abdel-Naim AB, **Khalifa AE**. The anti-apoptotic and anti-inflammatory properties of puerarin attenuate 3-nitropropionic acid induced neurotoxicity in rats. Canadian Journal of Physiology & Pharmacology **2014**; 92:252-258.
9. Mahdy HM, Mohamed MR, Emam MA, Karim AM, Abdel-Naim AB, **Khalifa AE**. Puerarin Ameliorates 3-Nitropropionic Acid-Induced Neurotoxicity in Rats: Possible Neuromodulation & Antioxidant Mechanisms. Neurochemistry Research **2014**; 39:321–332.
10. Abd-Elhady RM, Elsheikh AM, **Khalifa AE**. Anti-amnestic properties of Ginkgo biloba extract on impaired memory function induced by aluminum in rats. International Journal of Developmental Neuroscience **2013**; 31:598–607.
11. Michel HE, Tadros MG, Abdel-Naim AB, **Khalifa AE**. Prepulse inhibition (PPI) disrupting effects of Glycyrrhiza glabra extract in mice: a possible role of monoamines. Neurosci Letters 2013; 544:110-114.
12. Menze ET, MG Tadros, Abdel-Tawab AM, **Khalifa AE**. Potential neuroprotective effects of hesperidin on 3-nitropropionic acid-induced neurotoxicity in rats. NeuroToxicology **2012**; 33:1265–1275.
13. Esmat A, Ghoneim AI, El-Demerdash E, **Khalifa AE**, Abdel-Naim AB. Dichloroacetonitrile induces oxidative stress and developmental apoptotic imbalance in mouse fetal brain. Environmental Toxicology and Pharmacology **2012**; 33: 78-84.
14. Mahdy HM, Tadros MG, Mohamed MR, Karim AM, **Khalifa AE**. The effect of Ginkgo biloba extract on 3-nitropropionic acid-induced neurotoxicity in rats. Neurochemistry International 2011; 59: 770–778.
15. Nasralla SN, Ghoneim AI, **Khalifa AE**, Gad MZ, Abdel-Naim AB. Lactoperoxidase catalyzes in vitro activation of acrylonitrile to cyanide. Toxicology Letters 2009; 191: 347–352.
16. Tadros MG, Mohammad MR, Yossif AM, Sabry GM, **Khalifa AE**. Pro-apoptotic and pre-pulse inhibition (PPI) disrupting effect of *Hypericum Perforatum* in rats. Journal of Ethnopharmacology **2009**; 122: 561-566.
17. Tadrosa MG, Mohamed MR, Youssef AM, Sabry GM, Sabry NA, **Khalifa AE**. Involvement of serotonergic 5-HT1A/2A, alpha-adrenergic and dopaminergic D1 receptors in St. John's wort-induced prepulse inhibition deficit: A possible role of hyperforin. Behavioral Brain Research **2009**; 199: 334–339.
18. **Khalifa AE**. Antiinfective Agents Affecting Cognition: A Review. Journal of Chemotherapy **2007**; 19: 620-631.
19. El-Sherbiny DA, **Khalifa AE**, Attia AS, Eldenshary ES. Reversal of scopolamine-induced amnesia in rats by the neuroleptic zuclopenthixol: Underlying monoaminergic and cholinergic mechanisms. The New Egyptian Journal of Medicine **2006**; 35: 137-146.
20. **Khalifa AE**. Neural monoaminergic mediation of the effect of St. John's wort extract on prepulse inhibition of the acoustic startle response in rats. Journal of Psychopharmacology **2005**; 19:467–472.
21. **Khalifa A.E.** Effect of cefepime on startle amplitude and prepulse inhibition of startle reflex in rats: Manipulation of GABA-A receptor function with midazolam. Methods and Findings in Experimental and Clinical Pharmacology **2005**; 27: 639-644.
22. Tadros MG, **Khalifa AE**, Abdel-Naim AB, Arafa HM. Neuroprotective effect of taurine in 3-nitropropionic acid-induced experimental animal model of Huntington's disease phenotype. Pharmacology Biochemistry and Behavior **2005**; 82: 574-82.
23. **Khalifa AE**. Pro-oxidant activity of zuclopenthixol in-vivo: differential effect of the drug on brain oxidative status of scopolamine-treated rats. Human & Experimental Toxicology **2004**; 23: 439- 445.

24. **Khalifa AE.** Zuclopenthixol facilitates memory retrieval in rats: possible involvement of noradrenergic and serotonergic mechanism. Pharmacology, Biochemistry and Behavior **2003**; 75: 755–762.
25. El-Sherbiny DA, **Khalifa AE**, Attia AS, Eldenshary ES. *Hypericum perforatum* extract demonstrates antioxidant properties against elevated rat brain oxidative status induced by amnestic dose of scopolamine. Pharmacology Biochemistry and Behavior **2003**; 76: 525-533.
26. Ghoneim AI, Abdel-Naim AB, **Khalifa AE**, El-Denshary ES. Protective effects of curcumin against ischemia/reperfusion insult in rat forebrain. Pharmacological Research **2002**; 64: 321-327.
27. **Khalifa AE.** *Hypericum perforatum* as a nootropic drug: enhancement of retrieval memory of a passive avoidance conditioning paradigm in mice. Journal of Ethnopharmacology **2001**; 76:49-57.
28. Abd El-Gawad HM and **Khalifa AE.** Quercetin, coenzyme Q10, and L-canavanine as protective agents against lipid peroxidation and nitric oxide generation in endotoxin-induced shock in rat brain. Pharmacological Research **2001**; 43: 257-263.
29. **Khalifa A.E.** Antiamnestic properties of [-]-Hydrastine: Modulation of benzodiazepine-induced anterograde amnesia of inhibitory avoidance task in mice. Ain Shams Medical Journal **2000**; 51: 405-419.
30. Seif-El-Nasr M, Mahran LG, Al-Abhar HS, **Khalifa AE**, El-Denshary ES. Possible neuroprotective effects of melatonin against ischaemia/reperfusion insult in rat brain. Medical Science Research **1999**; 27, 605-608.
31. Ramshur S, **Khalifa AE**, Iturrian WB. Does paroxysmal dystonia have a sensory/anxiety disorder etiology? Conference Bulletin of the “Southern Meeting of the American Association of Pharmaceutical Scientists, University of Mississippi” **1998**; 1: 211-225.

Other Published Research

1. **Khalifa AE.** Defining fingerprint pattern of cardiotoxicity and targeting specific underlying mechanisms of cardiotoxicity could be the way for successful cardioprotective measures in pediatric cancer patients treated with anthracyclines. Advances in Cancer Research and Clinical Imaging **2018** in press.
2. **Khalifa AE.** Complementary and Alternative Medicine Use in Cancer: The Role of Clinical Pharmacists. Advances in Cancer Research and Clinical Imaging **2018**; 2: 1-3.
3. **Khalifa AE.** Hypothyroidism, Hypertension and Breast Cancer: Scientific Insights. Advances in Cancer Research and Clinical Imaging **2018**; 1: 1-3.
4. Allam RM, Al-Abd AM, Khedr A, Sharaf QA, Nofal SM, **Khalifa AE**, Mosli HA, Abdel-Naim AB. Fingolimod interrupts the cross talk between estrogen metabolism and sphingolipid metabolism within prostate cancer cells. Toxicology Letters **2018**; 291:77-85.
5. Shoieb SM, Esmat A, **Khalifa AE**, Abdel-Naim AB. Chrysin attenuates testosterone-induced benign prostate hyperplasia in rats. Food Chemistry & Toxicology **2017**; 111: 690-659.
6. Youssef MM; Tolba MF; Badawy NN; Liu AW; El-Ahwany E; **Khalifa AE**; Zada S, Abdel-Naim AB. Novel combination of sorafenib and biochanin-A synergistically enhances the anti-proliferative and pro-apoptotic effects on hepatocellular carcinoma cells. Scientific Reports **2016**; 6: 30717.
7. El-Hawary EA, Abdel-Aziz E, Labib RM, Esmat A, Abdel-Naim AB, **Khalifa AE**, Singab AN, Ayoub NA. Anti-inflammatory Activity of the Phenolic-rich Extract of *Schotia brachypetalea* Sond. Fam. Fabaceae, Cultivated in Egypt. European Journal of Medicinal Plants **2015**; 8: 190-201.

8. Habib CN, Al-Abd AM, Tolba MF, **Khalifa AE**, Khedr A, Mosli HA, Abdel-Naim AB. Leptin influences estrogen metabolism and accelerates prostate cell proliferation. Life Sciences, **2015**; 121: 10–15.
9. Abdel-Latif GA, Al-Abd AM, Tadros MG, Al-Abbasi FA, **Khalifa AE**, Abdel-Naim AB. The chemomodulatory effects of resveratrol and didox on Herceptin cytotoxicity in breast cancer cell lines. Scientific Reports **2015**; 5:12054.
10. Al-Abd AM, Fahad A. Al-Abbasi FA, Nofal SM, **Khalifa AE**, Williams RO, El-Eraky WI, Nagy AA, Abdel-Naim AB. Nimesulide Improves the Symptomatic and Disease Modifying Effects of Leflunomide in Collagen Induced Arthritis. PIOS ONE **2014**; 9:1-8.
11. Tolba MF, Omar HA, Azab SS, **Khalifa AE**, Abdel-Naim AB, Abdel-Rahman SZ. Caffeic acid phenethyl ester: A review of its antioxidant activity, protective effects against ischemia-reperfusion injury and drug adverse reactions. Food Science and Nutrition **2014**; 56: 2183-2190.
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21. Atawia RT, Tadros MG, **Khalifa AE**, Mosli HA, Abdel-Naim AB. Role of the phytoestrogenic, pro-apoptotic and anti-oxidative properties of silymarin in inhibiting experimental benign prostatic hyperplasia in rats. Toxicology Letters **2013**;219:160-169.

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25. Al-Abd AM, Inglis JJ, Nofal SM, **Khalifa AE**, Williams RO, El-Eraky WI, Abdel-Naim AB. Nimesulide improves the disease modifying anti-rheumatic profile of methotrexate in mice with collagen-induced arthritis. *European Journal of Pharmacology* **2010**; 644: 245-250.
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27. Azab SS, Salama SA, Abdel-Naim AB, **Khalifa AE**, El-Demerdash E, Al-Hendy A. 2-Methoxyestradiol and multidrug resistance: can 2-methoxyestradiol chemosensitize resistant breast cancer cells? *Breast Cancer Research and Treatment* **2009**; 113: 9-19.
28. Azab SS, Salama SA, Hassan MH, **Khalifa AE**, El-Demerdash E, Fouad H, Al-Hendy A, Abdel-Naim AB. 2-Methoxyestradiol reverses doxorubicin resistance in human breast tumor xenograft. *Cancer Chemotherapy and Pharmacology* **2008**; 62: 893-902.
29. Ezat R, Selim AA, Abdel-salam OM, Ismail MA, **Khalifa AE**. Pharmacological studies on the ischemic rat lower limb using Laser Doppler blood flowmetry. *Immunopharmacology* **2008**; 16:145–150.
30. Habashy RR, Abdel-Naim AB, **Khalifa AE**, El-Azizi MM. Anti-inflammatory effects of jojoba liquid wax in experimental models. *Pharmacological Research*, **2005**; 51: 95-105.
31. **Khalifa AE**, Moustafa YM, Mahran LG, Eldenshary ES. DL-alpha-lipoic acid demonstrates hepatoprotective properties in liver toxicity induced by acute carbon tetrachloride administration in rats. *The New Egyptian Journal of medicine* **2003**; 29: 80-88.
32. Abdel-Naim AB, **Khalifa AE**, Ahmed SH. Protective effects of garlic oil against liver damage induced by combined administration of ethanol and carbon tetrachloride in rats. *The Egyptian Journal of Hospital Medicine* **2002**; 6: 27-36.
33. Ismail MA, Abouzid K, Farag AE, **Khalifa AE**. Synthesis and evaluation for potential antihypertensive activity of a series of substituted imidazolinone oximes and cyclohexanespiro-8-imidazo[5,1-c]-1,2,4-oxadiazines. *Alexandria Journal of Pharmaceutical Sciences* 2000; 14: 151-161.
34. Badary OA, Abdel-Naim AB, **Khalifa AE**, Hamada FM. Differential alteration of cisplatin cytotoxicity and myelotoxicity by the paclitaxel vehicle cremophor EL. *Naunyn-Schmiedeberg's Archives of Pharmacology* **2000**; 361, 339-344.
35. Sayed-Ahmed MM, Khattab MM, **Khalifa AE**, El-Kabany MA, Osman AM. Potential promise of using L-carnitine and coenzyme Q10 as protective agents against cisplatin-induced nephrotoxicity". *Journal of the Egyptian National Cancer Institute-Cairo University* 1999; 11: 167-173.
36. **Khalifa AE**, Abdel-Saboour J, El-Denshary ESM. Tocolytic effect of melatonin: Possible modification of uterine response to certain drugs by pretreatment with melatonin in non-pregnant rats. *Bulletin of Faculty of Pharmacy of Cairo University* **1997**; 35: 233-237.

- **Supervised 34 Master Theses (2 in process) & 12 Doctoral Dissertations.**
- **Member of Defense Committees** in about **62** Thesis and Dissertation Defeses at **The American University in Cairo (AUC), Cairo University (CU) and Ain Shams University (ASU).**
- **Member of "The National Committee for Preparing Science, Technology & Innovation Law – MOHE (2016).**
- **Reviewer in a number of “International Journals”;**
 - “Pharmacology, Biochemistry & Behavior”.
 - "Life Sciences".
 - "Current Neuropharmacology".
 - “Pharmacological Research”.
 - “International Review of Neurobiology”
 - “Nutritional Neuroscience”
 - “Advances in Cancer Research and Clinical Imaging”
- **Member of "The National Committee for Promoting Professors and Associate Professors" in the field of Pharmacology and Clinical Pharmacy, SCU, MOHE (2013-2016).**
- **Patents: Using special preparation of beta hydrastine to enhance cognitive function.**
- Participated as a member of **6 National/International Scientific Associations** among which are the “British Association for Psychopharmacology” and the “American Society of Neuroscience”.
- Supervising the project of Pharmacy residents in the ASHP International Pharmacy Practice Residency Program at CCHE 57357 in which they are preparing an **original research paper** (2018).
- **Honors/Awards:**
 - Won a **full scholarship** to earn a Ph.D. degree from the University of Georgia, USA (1992-1995).
 - Won **50,000 EGP Grant** from ASU for clinical trials on the effect of St. John’s Wort on cognition (2001).
 - Won the “**Excellence in Research Award**” from ASU (2005).
 - Won the “**International Research publications Award**” from ASU (2009, 2010, 2011, 2013, 2015, 2016 and 2017).
 - **In 2012, BioMedLib honored the paper titled "Involvement of serotonergic 5-HT1A/2A, alpha-adrenergic and dopaminergic D1 receptors in St. John's wort-induced prepulse inhibition deficit: a possible role of hyperforin" as one of the top 20 in the field (ranked no. 14 worldwide).**
This paper was published in *Behavioral Brain Research*; 2009; 199: 334-9.
The authors are: Tadros MG, Mohamed MR, Youssef AM, Sabry GM, Sabry NA, Khalifa AE.
 - **In 2012, BioMedLib honored the paper titled "Nimesulide improves the disease modifying anti-rheumatic profile of methotrexate in mice with collagen-induced arthritis" as one of the top 20 in the field (ranked no. 4 worldwide).**

This paper was published in *European Journal of Pharmacology*; 2010; 644: 245-250.
The authors are: Al-Abd AM, Inglis JJ, Nofal SM, Khalifa AE, Williams RO, El-Eraky WI, Abdel-Naim AB.

- Invited to be an **Editorial Board Member** of the **international scientific journal**; “Advances in Cancer Research & Clinical Imaging” (2018-present).

5- TEACHING EXPERIENCE

- **At University of Georgia, USA**, clinical cases of neurological diseases were taught to senior pharmacy students as a teaching assistant. Also participated as a computer lab assistant in the anatomy course to help junior pharmacy students in using the ADAM software program (1995).
- Appointed in 1996 as **the first faculty member in Faculty of Pharmacy, ASU** and hence took **full responsibility in developing complete teaching material, specifications and syllabi for a number of courses** including :Medical terminology, Physiology, Pharmacology I and II, Toxicology, Clinical toxicology, Clinical Pharmacology, Quality Control of Drugs, Biostatistics and Bioassay, Drug Interactions (1996-2000).
- **At Ain Shams University, different courses within the field of pharmacology and toxicology were taught several times in the undergraduate & graduate pharmacy programs between years 1997 and 2012 as follows:**

<u>Course</u>	<u>Level</u>
Gene Therapy	Graduate (Ph.D.)
Selected Topics: Learning & Memory	Graduate (Ph.D.)
Immunopharmacology	Graduate (Ph.D.)
Chemotherapy	Graduate (Ph.D.)
Selected Topics: Psychopharmacology	Graduate (Masters)
Selected Topics: Neurophysiology	Graduate (Masters)
Experimental Pharmacology	Graduate (Masters)
Clinical Pharmacology and Therapeutics	Graduate (Masters)
Neuropharmacology	Graduate (Masters)
Quality Control of Drugs	Undergraduate
Bioassays & Biostatistics	Undergraduate

<u>Course</u>	<u>Level</u>
Physiology	Undergraduate
Toxicology	Undergraduate
Pharmacology I & II	Undergraduate
Medical Terminology	Undergraduate
Clinical Toxicology	Undergraduate
Clinical Pharmacology	Undergraduate
Drug and Poison information	Undergraduate

- **At The American University in Cairo (AUC)**, taught a course about drug toxicities (several times between 1996-2004).
- **At Misr International University (MIU)**, courses taught in the undergraduate pharmacy programs are “Pharmacology-I” and “Pharmacology-II” (several times between 2002-2004).
- **Practiced the academic advising and teaching in a credit hour system** in several courses of "The Program of Pharmaceutical Sciences, Drug Design and Quality Assurance in the Faculty of Pharmacy, **ASU**. Examples of these courses are Pharmacology, I and II, Medical Terminology and Physiology (2008-2012).
- **At CCHE 57357**, giving “Journal Club” sessions to residents at the “International Pharmacy Practice Residency” program to achieve the following learning objectives (2017-present);
 - Help improve residents’ skills of understanding and criticizing scientific manuscripts.
 - Keep residents up to date with the literature in the field of clinical pharmacy practice & pharmacotherapy of pediatric oncology.
 - Make residents become familiar with how articles/manuscripts are prepared.
 - Achieving the first goal of ASHP Competency “Area R5: Education of Others”.
 - Learning “Team Work” as a general and transferrable skill.
- **Oral examiner** in a number of courses taught at Faculties of **Pharmacy at Cairo, Alexandria, Assiut, Al-Azhar, Mansoura, 6th of October, MIU, MUST, and Helwan** Universities. Also Faculties of **Medicine at Cairo, Alexandria, Al-Azhar and Ain Shams** Universities (1997-present).
The courses are
 - ✓ Bioassays and Biostatistics
 - ✓ Clinical Pharmacy
 - ✓ Drug Interactions
 - ✓ Drug Information
 - ✓ Poison and Pollution Control
 - ✓ Pharmacology I and II
 - ✓ Toxicology
 - ✓ Clinical Toxicology
 - ✓ Drug Control
 - ✓ Clinical Pharmacology

6- COMMUNITY SERVICE

➤ Community Service at the “International Level”:

- ✓ **Reviewer in 7 international scientific journals between years 2000 and 2018.**
- ✓ **Active participation through organizing/being a keynote speaker/or *presenter* in 15 International Conferences as follows:**
 - **Keynote Speaker** in “The Second International Conference and Exhibition on Pharmacy” organized by the Scientific Federation in Paris, August 2018.
 - The First International Workshop on R&D Incentives, in Egypt. Under the patronage of the **Egyptian Cabinet of Ministers and Ministry of Higher Education and Scientific Research. Organizing, moderating & orally presenting the final recommendations of the workshop.** Held in Federation of Egyptian Industry Building. Cairo, 14 December 2015.
 - The Second International Conference for Cooperation between Industry and Scientific Research. Ministry of Higher Education & Scientific Research. April 9th, 2015.
 - The First Conference of the Arab Network for Quality Assurance in Higher Education (ANQAHE), in UAE. **Oral Presentation** titled: "The Internal Quality Assurance System at Ain Shams University". Amani E. Khalifa. Abu Dhabi, Dec 13-15 December, 2011.
 - The International Network for Quality Assurance Agencies in Higher Education (INQAAHE) Conference, in Spain. **Oral presentation** titled: "Quality Assurance Processes in Egyptian Higher Education Institutions at Both Institutional and National level: Their Development and Sustainability". Amani E. Khalifa, Doaa K. Ibrahim, Hassan A. Al-Shatoury, Ibrahim G. Shaaban, Ahmed M. EL-Gizawy, Hoda A. A. Eltalawy, Tahani F. Youssef, Mostafa M. Radwan, Galal A. Abdellah. Madrid, April 4-7, 2011.
 - The First International Conference for the National Authority of Quality Assurance and Accreditation of Education: Academic Standards and the Road to Quality and Accreditation, in Egypt. Cairo, June 21-22, 2008.
 - International Pharmaceutical Federation (FIP) Conference, in Egypt. *Poster presentation* titled: "Effect of cefepime on startle amplitude and prepulse inhibition of startle reflex in rats: Manipulation of GABA-A receptor function with midazolam". Amani E. Khalifa. Cairo, September 2nd, 2005.
 - World Conference on Dosing of Antiinfectives, in Germany. **Oral presentation** titled: "Impaired Cognition as a Sensitive Index of Antibiotics' Behavioral Toxicity: A review". Amani E. Khalifa. Nurnberg, September 9-11, 2004.
 - The Conference of the British Association for Psychopharmacology, in UK. *Poster presentation* titled: "Reversal of scopolamine-induced amnesia in rats by the neuroleptic zuclopenthixol: underlying monoaminergic and cholinergic mechanisms". Elsherbini et.al.

- Harrogate, July 25-28, 2004.
- XIV World Congress of Pharmacology, in USA. *Poster presentation* titled: "Protective effects of curcumin against ischaemia/reperfusion insult in rat forebrain". El-Denshary et.al. California, USA, July 7-12, 2002.
 - 23rd International Annual Ain Shams Medical Congress, in Egypt. *Poster presentation* titled: "Antiamnestic Properties of Hydrastine: Involvement of GABAergic Receptors in Modulation of Benzodiazepine-induced Anterograde Amnesia of Inhibitory Avoidance Task in Mice". Amani E. Khalifa. Cairo, February 21-24, 2000.
 - ICPI 2000, The First International Conference for Pharmaceutical Industry in Egypt and The Middle East. *Oral presentation* titled: "Effect of *Hypericum Perforatum* on Memory Retrieval of Passive Avoidance Conditioning in Mice". Amani E. Khalifa. Cairo, September 27-29, 2000.
 - 3rd International Congress of Federation of African Societies of Biochemistry and Molecular Biology, in Egypt. *Poster presentation* titled: "Quercetin, Coenzyme Q10, and L-canavanine as Protective Agents Against Lipid Peroxidation and Nitric acid Generation in Endotoxin-induced Shock in Rat Brain." Hanan M. Abd El-Gawad & Amani E. Khalifa. Cairo, November 14-16, 2000.
 - Southern Meeting of the American Association of Pharmaceutical Scientists, in USA. *Oral presentation* titled: "Does Paroxysmal Dystonia Have a Sensory/Anxiety Disorder Etiology?". Ramshur, S., Khalifa A.E., and W.B. Iturrian. Mississippi, May 1998.
 - FASEB Meeting, in USA. *Poster presentation* titled: "The Mutant (9Adt) Dystonic Hamster: A Genetic Adult Animal Model of Paroxysmal Dystonia". Khalifa A.E. and Iturrian W. B. Georgia, April 1995.
 - Graduate Research Day in UGA, in USA. *Poster presentation* titled: "Genetic Expression of Dystonia in Three Co-isogenic Strains of dt Adult Hamsters". Khalifa A. E. and Iturrian W.B. Georgia, June 1995.
 - 5th Annual Student Convention for Gerontology and Geriatrics, USA. *Poster presentation* titled: "Could Infantile Noise Exposure Be an Etiological Factor in The Movement Disorders of The Aged?" A.E. Khalifa, M. Castle, and W.B. Iturrian. Augusta, August 1994.
 - Society of Neuroscience Conference, in USA. *Oral presentation* titled: "Triphasic Relapse in Dystonic Hamster during Pregnancy as a Rigorous Neurochemical Model for Movement Disorders". Khalifa A.E. and Iturrian W.B. Washington DC, January 1993.

➤ Community Service at the "National Level":

✓ **Active participation in many local Conferences. Examples:**

- "Partnership between University & Industry" Conference. Nile University. November 18th, 2015.
- The 17th National Conference for the Center of Higher Education Development, Faculty of Education, ASU. November 23rd, 2010.

- The Conference of Regional Experts in Developing the Strategic plan for Higher Education in The Arab World, MOHE. **Oral presentation** titled: "Strategic plan for developing higher education in Egypt". Amani E. Khalifa. September 27-30, 2010.
- Country Review Report Conference for Evaluating Higher Education in Egypt, organized by the Ministry of Higher Education in March 26th, 2010. Participating as the author of the quality chapter.
- The Conference for Enhancing the Awareness of the Quality Culture in the Institute of Childhood Graduate Studies, ASU. **Oral Presentation** titled: "Achievements of the Institute of Childhood Graduate Studies in the field of quality assurance". Amani E. Khalifa. January 11-12, 2010.
- The First Meeting of the Projects' Management Unit, MOHE. **Poster Presentation** titled: "Quality Assurance and Accreditation Projects at Ain Shams University". Amani E. Khalifa. October 29th, 2009.
- Higher Education Enhancement Conference, the Program of the European Commission for Supporting Higher Education. May 7-8, 2008.
- The National Academic Reference Standards for Academic Programs, MOHE. April 22nd, 2007.
- The First Conference of Scientific Research for Development toward Applied Strategy, ASU. March 25-27, 2007.
- The Conference for Education Reform, Ministry of Education. June 25-27, 2006.
- Al-Azhar 4th International Conference for Pharmaceutical and Biological Sciences". February 13-15, 2005.
- "47th Annual Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics (ESPET)". **Three Poster Presentations** titled:
 - 1- "Hepatoprotective effects of glycine and Astragalus boeticus against ethanol-induced hepatocyte death", Ghoneim et al.
 - 2- "Anti-inflammatory effects of jojoba liquid wax in experimental models", Habashy et al.
 - 3- "Neuroprotective effect of taurine in 3-nitropropionic acid induced experimental animal model of Huntington's disease phenotype", Tadros et al. December 1st, 2005.
- "Al-Azhar 3rd International Conference for Pharmaceutical and Biological Sciences". December 16-18, 2003.
- The XXVIII Conference of Pharmaceutical Sciences, The Egyptian Pharmaceutical Society. January 2-4, 2002.
- XXVII Conference of Pharmaceutical Sciences, The Egyptian Pharmaceutical Society. **Oral presentation** titled: "*Hypericum Perforatum* as a Nootropic Drug: Enhancement of Retrieval Memory of a Passive Avoidance Conditioning Paradigm in Mice". Amani E. Khalifa. January 2-4, 2001.
- "Al-Azhar 2nd International Conference for Pharmaceutical and Biological Sciences". December 19-21, 2001.
- ASU Center of Psychotherapy Conference. **Oral presentation** titled: "Pharmacological Properties of Safamood as a Nootropic Drug". Amani E. Khalifa. November 9th, 2000.
- The 23rd Annual International Conference of the Medical Society, ASU. February 21-24, 2000.
- XXVII Annual Meeting at the Behman Hospital for Mental and Age-Related Disorders, Helwan, Cairo. **Oral presentation** titled: "Recent Advances in The Psychopharmacology of Dementia". Amani E. Khalifa. January 1998.
- XXV Conference of Pharmaceutical Sciences, the Egyptian Pharmaceutical Society. **Oral presentation** titled: "Is Dystonia Associated with Anxiety as a Condition That Precedes, Accompanies, or Follows from it?" Khalifa A.E. and Itturian W.B. Decemembr 24-26, 1996.

- ✓ **Trainer** for Ain Shams University Community and other public and private university communities in **several Training Programs** between years **2007 and 2011 as follows:**
- Topic: "How to Prepare for the Accreditation Visit".
Trainees: Faculty members/their assistants in the Faculty of Agriculture, ASU. October 2011.
 - Topic: "How to Involve Stakeholders in Development of Academic Programs and Their Accreditation".
Trainees: Faculty members/their assistants, and staff in the Faculty of Law, ASU. July 2011.
 - Topic: "Appointing Department Heads as Academic Leadership According to Quality Assurance Standards".
Trainees: Potential Department Heads in faculties/institutes of ASU. September 2010, December 2010, and March 2011.
 - Topic: "How to Write Projects Engaging Students in University Development Projects to Be Funded by the MOHE".
Trainees: Students from faculties of Agriculture, Commerce, Engineering and Student Union, ASU. December 2010.
 - Topic: "How to Write Projects of Laboratory Accreditation According to ISO17025 Standards to Be Funded by the MOHE".
Trainees: Faculty members from Faculties of Medicine, Pharmacy, and Science, ASU. September 2010.
 - Topic: "How to Develop Academic Reference Standards of Educational Programs".
Trainees: Faculty members from different Faculties of ASU. May 2009.
 - Topic: "How to Apply Quality Standards in Units of Special Nature Related to the Community service Sector at ASU".
Trainees: Vice-Deans for Community Service, and Directors of Units of Special Nature, ASU. December 2009.
 - Topic: "Developing Administrative Skills of the Administrative Leadership in ASU through Application of Universities' Accreditation Standards Developed by the National Authority for Quality Assurance and Accreditation of Education (NAQAEE)".
Trainees: Administrative Leadership at ASU. April 2009.
 - Topic: "Credit Hour and Advisory System in Cooperation with the Academic Advising Office at the AUC".
Trainees: Faculty members at ASU. November 2009.
 - Topic: "How to Apply for Program Accreditation Projects Funded by the MOHE".
Trainees: Faculty members at ASU. May 2009.
 - Topic: "How to Develop Strategic Plans needed to Apply for Institutional Accreditation Projects Funded by the MOHE".
Trainees: Faculty members and staff in Faculties of Arts, Sciences, Languages, Education, Medicine, Dentistry, Computers & Information/ College for Girls/ Institute of Childhood Graduate Studies/ Institute of Environmental Studies & Research at ASU. August to December 2008 and March to May 2009.
 - Topic: "How to Develop Course Specifications".
Trainees: Faculty members at ASU. September 2007 and May 2009.
 - Topic: "How to Develop Program Specifications".
Trainees: Faculty members at ASU. April 2008 and May 2009.
 - Topic: "How to Write the Program Report".
Trainees: Faculty members at ASU. November 2008.

- Topic: "How to Write the Faculty Annual Report".
Trainees: Faculty members and staff in Faculties with Quality Assurance and Accreditation Projects at ASU. November 2007 and March 2008.
 - Topic: "How to Develop Action Plans for Improvement of the Educational Process, Research, Community Service and Quality Management".
Trainees: Faculty members and staff at ASU. March 2008.
 - Topic: "Internal Auditing for Quality Management Systems".
Trainees: Faculty members and staff in Faculty of Commerce, ASU. March 2008.
 - Topic: "How to Prepare for the Site Visit of the Peer Reviewers".
Trainees: Faculty members and staff in Faculties of Engineering, Medicine, Computers & Information, Pharmacy, Education, Arts Languages, Law and College for Girls at ASU. October 2007 to April 2008.
 - Topic: "Preparing Action Plans needed to apply for The Project of Continuous Improvement and Qualifying for Accreditation".
Trainees: Faculty members and staff at ASU. May 2008.
 - Topic: "External Reviewers of QA and Accreditation Projects".
Trainees: Faculty members at ASU. February 2008.
 - Topic: "Recommendations for Continuous development after The Developmental Engagement phase of QAAPs without financial Support from the World Bank".
Trainees: Experts and Consultants of QA and Accreditation in Egypt, MOHE and NAQAAE. December 2008.
 - Topic: "How to Write the Course Report".
Trainees: Faculty members at ASU. September 2007.
- ✓ **An active participant as a trainee in many training programs** between years 1992 and 2017 in different life sciences. Examples are:
- Finance for Non-financial Managers, The American University in Cairo (October, 2017).
 - Fraud and Embezzlement prevention, The Egyptian Financial Supervisory Authority (December 2015)
 - Principles of Medical Education, Harvard Medical School (March 2014).
 - Quacquarelli Symonds (QS) as an international Ranking System of Universities, ASU (January 2011).
 - Practice of Clinical Pharmacy Profession, Misr International University (February 2010).
 - Good Practice in the Field of Quality Assurance and Accreditation, NAQAAE (July 2010).
 - The Most Recent Practices of External Reviewing, NAQAAE (April 2010).
 - Program for Development of the Islamic Leadership, MOHE in Malaysia (March 2010).
 - Evaluating Projects Submitted to the "Program of Continuous Improvement & Qualifying for Accreditation (PCIQA) in the 4th cycle, PMU, MOHE (January 2010).
 - How to Prepare Periodic Technical and Financial Reports of Projects Funded by PCIQA in the 3rd cycle, PMU, MOHE (October 2009).
 - Development of Faculties of Education in Egypt to implement Qualifying for Accreditation Projects in the 3rd cycle, PMU, MOHE (October 2009)
 - Evaluating "Competitiveness Projects" of the PCIQA, PMU, MOHE (July 2009).
 - Strategic Planning, PMU, MOHE (June 2009).
 - Application of National Academic Reference Standards of Higher Education Institutions in Egypt, PMU, MOHE (April 2009).

- Evaluating QAAPs and Continuous Improvement & Qualifying for Accreditation Projects (CIQAP) in the second cycle, PMU, MOHE (April 2009).
- Effective Learning, NAQAAE (March 2009).
- Assessment of Intended Learning Outcomes in Higher Education Institutions, NAQAAE (March 2009).

- Using Information Technology in External Reviewing of Higher Education Institutions, NAQAAE (March 2009).
- Advanced Training Program for External Reviewers in Higher Education-Simulation Templates, NAQAAE (March 2009).
- External Reviewers of Higher Education-Simulation Templates, NAQAAE (March 2009).
- Strategic Planning for the 3rd cycle of CIQAP, PMU, MOHE (February 2009).
- Evaluating CIQAP Projects in the 2nd cycle, PMU, MOHE (January 2009).
- Administrative and Financial Procedures for Decision Makers in Leadership Positions, PMU, MOHE (December 2008).
- Impact Assessment of MOHE Development Projects in Egyptian Public Universities, PMU, MOHE (November 2008).
- Follow-up Visits of QAAPs, PMU, MOHE (November 2008).
- Strategic planning, NAQAAE (August 2008).
- Training of Trainers (TOT), the National Center for Faculty and Leadership Development, MOHE (July 2008).
- Standards of Higher Educations' Self-Study, NAQAAE (June 2008).
- Curriculum mapping and Intended Learning Outcomes, NAQAAE (June 2008).
- Managerial and Financial Procedures for Decision Makers in Leadership Positions, FLDC, ASU (December 2008).
- Training of Certified Trainers, AUC (January 2008).
- Developing Strategic Plan for Accreditation, Suez Canal University (July 2007).
- Legislative and Financial Issues in Governmental Universities, FLDC, ASU (December 2007).
- Facilitator of the Site Visit of Peer Reviewers, PMU, MOHE (April 2007).
- Peer Reviewers, PMU, MOHE (October 2006).
- Education Reform, Ministry of Education (June 2006).
- Writing Review Reports for QAAPs, PMU, MOHE (May 2006).
- Information & Time Management, Faculty of Agriculture, Cairo University (May 2006)
- Using Technology in Teaching, Faculty and Leadership Development Center (FLDC), ASU (April 2006).
- Scientific Research Management, Center for Development of Faculty & Leadership (FLDC), ASU (February 2006).
- Recent Trends in Teaching, FLDC, ASU (April 2005).
- Teaching Evaluation, FLDC, ASU (April 2005).
- Managerial Skills, FLDC, ASU (December 2004).
- Ethics of the Profession, FLDC, ASU (November 2004)
- Primary & Relapse Prevention of Substance Abuse, Faculty of Medicine, ASU (Oct. 1999).
- Molecular Biology & DNA Sequencing, Faculty of Science, ASU (December 1998).

- Uses of Infrared Radiations & FTIR Spectroscopy, Faculty of Science, ASU (July 1997).
- Guidelines for Laboratory Animal Care and Use in Experimental Research set by World Health Organization, University of Georgia, USA (September 1995).
- Radiation Safety, University of Georgia, USA (September 1992).

➤ **Other Community Service roles:**

1. **At The Faculty of Pharmacy, ASU Level between years 1996 and 2012:**

- ❖ Establishment of the **Alumni Association**.
- ❖ Leading the **Athletic Committee**.
- ❖ Reviewing research papers of students participating in the yearly “**Scientific Society Conference**”.
- ❖ Reviewing research papers of some pharmacy schools' graduates participating in the yearly **clinical pharmacy training program**.
- ❖ Participating in developing the monthly **journal of the Faculty**.
- ❖ Leading the **Arts Committee**.
- ❖ Participating in developing a **new pharmacy program** in higher education: "The Program of Pharmaceutical Sciences, Drug design and its Quality Assurance".
- ❖ Member of the **Curriculum Development Committee** participating in improving the educational process and curricula based on student evaluation of course & instructors and based on the opinions of external evaluators, reviewers and examiners knowing the importance of evaluating and developing the curriculum to cope with advanced systems in teaching and learning to meet the requirements of the labor market.
- ❖ Member of the **Committee for Community Service & Environmental Affairs**.
- ❖ Member of the **Committee for Education & Student Affairs**.
- ❖ Chairperson of the **Committee for Cultural Relations**.
- ❖ Chairperson of the **Committee for Laboratories and Libraries**.
- ❖ Chairperson of the **Committee for developing the new bylaws of the graduate studies** according to the credit hour system.

2. At Ain Shams University Level (2006-2012):
- ❖ Enhancing the awareness about health hazards of **smoking** and **addiction** in general through seminars held for students and university community (2007).
 - ❖ Leading a team of students from the Faculties of Pharmacy and Computers & Information with the outcome of preparing **software for student evaluation of courses and instructors** to be used for all faculties and institutes of Ain Shams University (2006).
 - ❖ Member of the Committee established to prepare and update the **strategic plan of the university** (2008-2012).
 - ❖ Member of the Committee established to improve the **ranking** of the **university** in different international ranking systems worldwide (2010-2011).
3. At the Ministry of Higher Education & Scientific Research and Ministry of Health Level between years 2002 and 2017:
- ❖ **Reviewing** a number of pharmaceutical **patents** submitted for approval by the National Academy of Scientific Research and writing reports about whether they can be approved or not (2002-2007).
 - ❖ **Reviewing** a number of new **therapeutic options** submitted to Ministry of Health through “The Committee of Advanced Therapy”, and writing reports about whether they can be implemented in Egypt or not (2002-2006).
 - ❖ Member of the “**National Specialized Councils for Health Services**” and a co-author of the review report prepared to **develop pharmaceutical industry sector** in Egypt. Also, orally presenting the recommendations of this work to the Minister of Health Assistant for Pharmacy Affairs (2013-2015).
 - ❖ Evaluating research papers as a member of the “**National Committee for Promoting Professors and Associate Professors in the Field of Pharmacology and Clinical Pharmacy**” (2013-2016).
 - ❖ **Representative of the Ministry of Higher Education in Scientific Research Committee - Federation of Egyptian Industries** (2014-2016). The Federation of Egyptian Industries took the initiative to bridge the gap between HE institutions and industry by establishing this committee which helped in linking academia and research with industry through a number of activities such as pointing to the main problems facing Egyptian researchers in conducting applied research and suggesting solutions to these problems. Also, gathering all the information related to the applied research being conducted or will be conducted in Egyptian Universities according to their strategic plans and sending it to the relevant industry chambers. Other activities included gathering all the information regarding areas of specialty of researchers in HE institutions who can be consulted to solve industry problems and sending it to the relevant industry chambers. In addition, the MOHE in collaboration with this committee helped in raising awareness about the need for applying R&D incentives for the industrial sector and stressed its importance through the first international workshop on R&D incentives in Egypt done in **December 2015**. The Egyptian Cabinet of

Ministers were informed about the recommendations of this workshop through the MOHE.

- ❖ Participation in advancing the field of pharmacology via scientific research while being a member of "**The National Committee for Pharmacology**", Academy of Scientific Research & Technology (2014-present).
- ❖ Member of "The National Committee for Preparing “Science, Technology & Innovation Law”, MOHE (2016).

7- INTERNATIONAL COOPERATION

Some of the following activities have been mentioned before under different areas:

- **Member of the National Committee** responsible for monitoring & assessing the achievements of 157 quality assurance and accreditation projects (QAAP)- financed by the **World Bank** and implemented under supervision of European consultants in Egyptian Public Universities under the governance of the MOHE (2005-2007).
- **Consultant of the MOHE** participated in preparing the last **Country Background Report of Higher Education in Egypt** and the author of the "**Quality of Higher Education**" chapter http://s3.amazonaws.com/zanran_storage/mhe-spu.org/ContentPages/2473387763.pdf. Based on this report, and **in cooperation with** the *Organization for Economic Cooperation and Development (OECD)* and *The World Bank*, the final report of the "National Education Policies' Reviews" was completed as an external Evaluation of the self-assessment of higher education in Egypt (2009-2010).
- **Regional Strategic Planning Expert, The Egyptian Committee for Education, Science and Culture (ECESCO)** participated among other regional experts in the Conference of “Developing the Strategic plan for Higher Education in The Arab World” organized by MOHE. **Orally presented "The Strategic Plan for Developing Higher Education in Egypt"**. Also participated in discussions toward reaching recommendations to develop the strategic plan for higher education in the Arab world (2010).
- Member of a team of quality experts participating in a project for establishment of a system to evaluate the **governance** in universities at the regional level through cooperation of **MOHE** with both the **Center for Mediterranean Integration and the World Bank (2011)**. In Egypt, a number of public and private universities and Al-Azhar University have participated in the evaluation of different aspects of governance such as mission and objectives, administrative orientation, autonomy, accountability...
- **Representing MOHE** in “The International Network for Quality Assurance Agencies in Higher Education (INQAAHE) Conference” held in Madrid, **Spain** in **April 2011**. **Orally presenting a review about "Quality Assurance Processes in Egyptian Higher Education Institutions at Both Institutional and National level: Their Development and Sustainability"**. The authors of the review are: **Amani E. Khalifa**, Doaa K. Ibrahim, Hassan A. Al-Shatoury, Ibrahim G. Shaaban, Ahmed M. EL-Gizawy, Hoda A. A. Eltalawy, Tahani F. Youssef, Mostafa M. Radwan, Galal A. Abdellah.
https://www.researchgate.net/publication/282504782_Quality_Assurance_Processes_in_Egyptian_Higher_Education_Institutions_at_Both_Institutional_and_National_level_Their_Development_and_Sustainability

- **Representative of the Ministry of Higher Education** organizing “The First International Workshop on R&D Incentives”, in Egypt. Under the patronage of the **Egyptian Cabinet of Ministers** and Ministry of Higher Education and Scientific Research. Also presenting the introductory speech and the recommendations of this workshop held in Federation of Egyptian Industry Building, Cairo, 14 **December 2015** in collaboration with international experts and representatives from **KPMG, PwC, Deloitte and UNESCO**.
- **International Academic Quality Assurance Expert** participated in reviewing accreditation standards and in developing a new ranking system for universities worldwide in collaboration with international specialized organizations (**2017-present**).
- **Orally presenting** the measures taken to **assure quality of the clinical pharmacy training program** in CCHE 57357 during the SMART Pharmacy Education Workshop delivered in **1-4 Feb, 2017**. This workshop was conducted in collaboration with “**Accreditation Council for Pharmacy Education**” (ACPE), USA.
- Supervising the delivery of a workshop titled “**Innovative Model to Drive Changes in Pharmacy Education and Practice in Egypt**” in collaboration with “**Accreditation Council for Pharmacy Education**” (ACPE), USA representatives (5 Feb, **2017**).
- Supervising the process of **improving the quality of hospital pharmacy services, clinical pharmacy training program and preceptor development** in addition to establishing a **residency program** in collaboration with the “**American Society of Health-System Pharmacists**” (ASHP) through an **external review site visit** conducted on **April 10th 2017** for four days.
- Finalizing a **preceptorship development agreement with University of Colorado Skaggs School of Pharmacy and pharmaceutical Sciences** and supervising the delivery of the workshop onsite in 57357 CCHE premises in **May 2017**.
- Finalizing an **agreement with the American College of Clinical Pharmacy (ACCP)** to **develop the skills of clinical pharmacy preceptors** and to prepare them for the **first international pharmacy practice residency program in Egypt** launched in 57357 CCHE in **November 2017** to be accredited by ASHP.
- Collaborating with **University of Colorado, USA** in building the **vision, mission, Intended Learning Outcomes (ILOs), curriculum, admission requirements, progression policies, assessment plan and quality assurance measures** of the **first international Pharm D program in Egypt** which was launched in **June 2018 (Jan 2017-present)**.

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