

Professor Basel A. Abdel-Wahab

Professor of Molecular and Clinical Pharmacology & Toxicology and Clinical Pharmacy

Tel: +966- 553899185 (Mobile)

E-mail: babdelnaem@nu.edu.sa, basel_post@yahoo.com , basel_post@msn.com

CURRICULUM VITAE

Name: Basel Abdel-Naeem Abdel-Wahab
Mohammed.

Place of Birth: Cairo- Egypt.

Birth Date: 27 August 1970.



CURRENT POSITION

- ✚ **Professor** in the **Department of Medical Pharmacology, College of Medicine, Assiut University**, Assiut, Egypt (May 2017- till now).
- ✚ **Professor** in the **Department of Pharmacology, College of Pharmacy, Najran University**, Najran, Saudi Arabia (October 2017- till now).

EDUCATION

- ✚ **Ph.D.** in Pharmaceutical Sciences, "Pharmacology & Clinical Pharmacology", College of Pharmacy from The First Medical Academy in Moscow "A. M. Schinove"- Moscow – (Russia), Jun, 2005. (**Excellent Degree**).
- ✚ **M.SC.** in pharmaceutical Sciences, "Pharmacology", College of Pharmacy, Assiut University, Assiut, (Egypt), December 1998. (**Excellent Degree**).
- ✚ **B.Sc.** in Pharmaceutical sciences, Very Good with Degree of Honour, College of Pharmacy, Assiut University, Assiut, (Egypt), May 1992 (**First position**).

SCIENTIFIC POSITIONS

1. Professor in the Department of Medical Pharmacology, Faculty of Medicine, Assiut University, (July 2017- till now).
2. Professor in the Department Pharmacology, college of Pharmacy, Najran University, Najran, Saudi Arabia (2017- till now).
3. Associate professor in the Department Pharmacology, college of Pharmacy, Najran University, Najran, Saudi Arabia. (2013-2017)
4. Associate professor in the Department Medical Pharmacology, Faculty of Medicine, Assiut University, (May 2012- 2017)

5. Coordinator of the College of Pharmacy, Najran University, Najran, Saudi Arabia from its beginning (2008-2013).
6. Coordinator of the Department of Pharmacology, College of Pharmacy, Najran University, Najran, Saudi Arabia, (Sept. 2008- till now).
7. Assistant professor in the Departments of Pharmacology & Clinical Pharmacy, College of Pharmacy, Najran University, Najran, Saudi Arabia (Sept 2008- April 2014).
8. Assistant professor in the Departments of Pharmacology & Clinical Pharmacy, Faculty of Pharmacy, King Khaled University, AbhA, KSA, (Sept 2007- Sept 2008).
9. Assistant professor in the Department of Pharmacology, Faculty of Medicine, Assiut University, (Jan 2006- Sept 2007).
10. Lecturer in the Department of Pharmacology, Faculty of Medicine, Assiut University, (Feb. 1999- Jan 2006).
11. Demonstrator in the Department of Pharmacology, Faculty of Medicine, Assiut University, (Jun 1993- Feb 1999).

SCHOLARSHIPS

Scholarship for studying Ph.D. From Moscow Medical Academy (MMA), the first medical Academy of Moscow, Governmental University (MGU), Moscow, (Russia), from The Ministry of Higher Education, Egypt, (Jan. 1st, 2002 – Jun 2005).

MEMBERSHIP OF SOCIETIES AND COMMITTEES

1. Egyptian Syndicate of Pharmacists, (August 1992- to date).
2. Assiut University Staff members Club, (August 1994- to date).
3. Member of the Arab Institution of Science and Technology (AIST) Feb. 2006 to date.
4. Member of the American Nanotechnology Society (March 2013-till now).

TEACHING EXPERIENCE

1. External Evaluator and Examiner in Faculties of Pharmacy and Dentistry of Cairo, Minia, El-Mansoura, Al-Azhar, Russian and El-Nahda-Beny Swief, Misr International University, Sohag and South Valley Universities, Egypt.
2. Teaching the course of **Pharmacology** for the 3rd year students at the college of **Medicine**, Assiut University, Egypt.

3. Teaching the course of **Pharmacology** for the 3rd year students at the college of **Pharmacy**, Assiut University, Egypt.
4. Teaching the course of **Pharmacology** for the 3rd year students at the college of **Veterinary Medicine**, Assiut University, Egypt.
5. Teaching the course of **Pharmacology** for the 3rd year students at the college of **Medicine**, Al-Azhar University, Assiut, Egypt.
6. Teaching the course of **Pharmacology** for the 3rd year students at the college of **Dentistry**, Al-Azhar University, Assiut, Egypt.
7. Teaching the course of **Toxicology** for the 4th year students at the college of **Pharmacy**, Assiut University, Assiut, Egypt.
8. Teaching the course of **Bioassay** for the 4th year students at the college of **Pharmacy**, Assiut University, Assiut, Egypt.
9. Teaching the course of **Pharmacology** for the 3rd year students at the college of **Dentistry**, and College of **Pharmacy**, **Misr International University**, Cairo, Egypt.
10. Teaching the **Pharmacology** courses for the level-6 (Pharmacology-1), level-7 (Pharmacology-2) and level-8 (Pharmacology-3) for students of the college of **Pharmacy**, **King Khaled University**, Abha, Saudi Arabia, 2007/2008.
11. Teaching the course of **Toxicology** for the level-8 pharmacy students, college of Pharmacy, King Khalid university, Abha, Saudi Arabia 2007/2008.
12. Teaching the courses of **Pharmacology** for the 3rd and 4th year students (**Pharmacology-I & II**) of the college of **Medicine**, King Khalid University, Abha, Saudi Arabia, 2007/2008.
13. Teaching of the curriculum of **Clinical pharmacy** in the **Collage of Pharmacy**, **King Khalid University, ABHA, KSA**, 2007/2008, which include:
 - 1) Drug Information 2) Pharmacy Administration. 3) Basic & Clinical pharmacokinetics.
 - 4) Pharmacotherapeutics I, II. 5) Hospital Pharmacy 6) Drug Marketing. 7) Computer in pharmacy practice.
14. Teaching of the curriculum of **Clinical pharmacy** in the **Collage of Pharmacy**, **Najran University, Najran, KSA**, (2008-2013) which include

- 1) Introduction and Background of Pharmacy career. 2) Drug Information 3) Pharmacy practice-I and II. 4) Computer in pharmacy practice. 5) Basic & Clinical pharmacokinetics. 6) Pharmacotherapeutics I, II. 7) Drug Marketing. 7)
15. Teaching the courses of **Pharmacology** for the different blocks (**Musculoskeletal, Hematology, Cardiovascular, Respiratory, GIT, Endocrine, Urinary, CNS-1, CNS-2** and **Dermatology** Blocks) in the PBL system for students of the College of **Medicine**, Najran University, Saudi Arabia (2009-2019).
16. Teaching the courses of **Pharmacology** (I, II and III), **Toxicology** and **Biotechnology** for the College of **Pharmacy** students, Najran University, Najran, Saudi Arabia (2008 -till now).
17. Teaching the course of **Toxicology** for the College of **Pharmacy** students, Najran University, Najran, Saudi Arabia (2009 -till now).
18. Teaching the course of **Pharmaceutical Biotechnology** for the College of **Pharmacy** students, Najran University, Najran, Saudi Arabia (2009 -2016).
19. Teaching the course of **Pharmacology** for the students of the 5th level of the College of **Dentistry**, Najran University, Najran, Saudi Arabia (2009 -2018).
20. Teaching the course of **Pharmacology** for the students of the 8th level of the department of Physical therapy, College of Applied Medical Sciences, Najran University, Najran, Saudi Arabia (2011-2018).
21. Teaching the courses of **Pharmacology-I & II** for the students of the 6th and 7th levels of the college of Medicine (Girls), Najran University, Najran, Saudi Arabia (2014-2018).
22. Teaching of Pharmacology and Clinical pharmacy courses for **undergraduate** clinical pharmacy and **postgraduate** Pharmacy students in Assiut University.
23. Teaching of Pharmacology courses for **postgraduate** Master students, College of Medicine (Internal medicine, Surgery, Urinary, Chest diseases) departments students.
24. Teaching of Advanced Pharmacology course, for **postgraduate** Master students of Pharmacology department, College of Pharmacy, King Khalid University.

CONTRIBUTION IN EXAMINATION DUTIES

1. Contribution in observation duties of different levels for undergraduate students examinations in college of Medicine, Assiut University.

2. Contribution in preparation and observation duties of semester and periodical exams of Pharmacology, Toxicology and Bioassay and Biostatistics for students of colleges of Medicine and Pharmacy.
3. Contribution in preparation and conducting of practical exams of Pharmacology, Toxicology and Bioassay and Biostatistics for students of colleges of Medicine and Pharmacy in Assiut University.
4. Contribution in oral examinations of Pharmacology, Toxicology and Bioassay and Biostatistics for students of colleges of Medicine, Pharmacy and veterinary Medicine in Assiut University.
5. Contribution in oral examinations of Pharmacology, Toxicology and Bioassay and Biostatistics for students of colleges of Medicine, Pharmacy and veterinary Medicine in Sohag and Minia Universities.
6. Contribution in Final oral examinations of Pharmacology, for students of college of Dentistry and Oral Surgery in Misr International University.
7. Contribution in Final examinations of Pharmacology, for students of college of Dentistry and Oral Surgery in Misr International University.
8. Contribution in Final examinations of Pharmacology, control duties for nursing school Students College of Nursing Assiut University.
9. Member of control committee of third year and fourth year College of Medicine, Assiut University in both main and reset exams.
10. Contribution in observation duties of different examinations (Diploma, master and PhD) of graduate students in college of Medicine, Assiut University.
11. Head of the control committee of the college of Pharmacy, Najran University, Saudi Arabia (2015-till now).
12. Member of Examination and Evaluation committee of the college of Pharmacy, Najran University, Saudi Arabia (2015-2019).
13. Preparation and conducting practical and theoretical exams of pharmacology sections in all PBL blocks of the college of Medicine (**BOYS**), Najran University, Saudi Arabia (2009-2018).
14. Preparation and conducting practical and theoretical exams of Pharmacology-I& II of the college of Medicine (**GIRLS**), Najran University, Saudi Arabia (2013-2018).
15. Preparation and conducting practical and theoretical exams of Pharmacology of the college of Dentistry, Najran University, Saudi Arabia.

16. Preparation and conducting practical and theoretical exams of Pharmacology and Toxicology of the college of Pharmacy, Najran University, Saudi Arabia (2008-till now).
17. Preparation and conducting practical and theoretical exams of Pharmaceutical Biotechnology for students of the college of Pharmacy, Najran University, Saudi Arabia.
18. Preparation and revising theoretical exam of Pharmacology for students of Physical Therapy, the college of Applied Medical Sciences, Najran University, Saudi Arabia.
19. Preparation and revising theoretical exams of Pharmacology for students of Nursing (**Girls**) and Midwifery (**Girls**), college of Nursing, Najran University, Saudi Arabia.
20. Preparation and conducting theoretical exams of Pharmacology for students of Nursing (**Boys**), college of Nursing, Najran University, Saudi Arabia.

CONTRIBUTION IN STUDENTS NOTBOOKS of ASSIUT PHARMACOLOGY DEPARTMENT

- 1) Spotlight on Nursing Pharmacology (2006).
- 2) Spotlight on Nursing Pharmacology (2007).
- 3) Toxicology and First Aid (2007).
- 4) Spotlight on Pharmacology (2018)

ADMINISTRATIVE WORK ACTIVITIES

1. Coordinator of college of Pharmacy, Najran University, Saudi Arabia (2009-2013).
2. Coordinator of Department of Pharmacology, college of Pharmacy, Najran University, Saudi Arabia (2010-till now).
3. Supervisor on department of Clinical Pharmacy, college of Pharmacy, Najran University, Saudi Arabia (2009-2013).
4. Member of College of Medicine Council, (2009-2013)
5. Member of Medical Education committee for PBL-system for college of Medicine, Najran University, Saudi Arabia (2010-till now).
6. Member of Academic office of health colleges, Najran University, Saudi Arabia (2010-2014).
7. Contribution in planning and preparation of all laboratories of college of Pharmacy with the most recent instruments and equipment in departments of (Chemistry, Pharmacognosy, Pharmaceutics, Pharmacology and Clinical Pharmacy) In addition to constructing dug information and research lab depends on IT-technology.

8. Contribution in designing and writing of the study plan of the college of Pharmacy, Najran University, and contribution in meeting of its revision until its approval by the university council.
9. Supervision on preparation of students lecture auditoriums and its supply by projectors, smart boards and multimedia stations in Al-sawadi campus.
10. Contribution in preparation of the central library of Najran University (Prince Meshaal's Ben Abdullah Ben Abdul Aziz Library) and providing it by the most recent edition of text books in the different medical and Pharmaceutical fields.
11. Assistant of the Dean of the college of Medicine, supervisor of the health colleges for Girls section (April 2012- till now).
12. Head of the Examination control of the college of Pharmacy, Najran University (2015-2017).
13. Head of the scientific research committee of the college of Pharmacy, Najran University (2017-2018).
14. Member of the scientific research committee of the college of Pharmacy, Najran University (2018-till now).

COMMUNITY SERVICES ACTIVITIES

1. Supervision of health colleges students in preparing of meeting activity about **"Risks of Smoking"**, College of Medicine, Najran University, May 2013.
2. Supervision of students of Najran health colleges in preparing of meeting activity about **"Risks of Addiction on The Person and Community"**, October 2013.
3. Supervision of Pharmacy students in preparing of Advisory activity about " The Safe Use of Drugs", in Najran Mall, March, 2014
4. Supervision of community service of College of Pharmacy, Najran University " "Yes It Affects our Health", years 2016-2019.
5. Taking part in the Volunteer Campaign of Health colleges, Najran University, in cities of Najran region 2019.

ACTIVITIES IN THE FIELD OF QUALITY

1. Responsible for Quality in the College of Pharmacy, Najran University, and contribution in the preparation of the preliminary Self Study Reports of College of Pharmacy and Najran University (2009-2010).
2. Head of standards of infrastructure, Employment and Financial management (Standards 7,8,9) of the College of Pharmacy, Najran University (2012-2015).
3. Head of the standards of research and community services (Standards 10,11) of the college of Pharmacy, Najran University, (2015-2018).

4. Head of the standard 5 "Staff members" of the unit of quality of the college of Pharmacy, Najran University, (2018-till now).
5. Attendance of many training programs and workshops in the field of Quality and Accreditation arranged by rector-ship of Najran University of Quality and Accreditation (more than 30 training days & workshops).
6. Attendance and certificate of the training program of staff members for programs accreditation by NCAAA "TAMKEEN" by the deanship of improvement and quality, Najran University, 2019.
7. Contribution with Pharmacy college staff in preparation processes for the preparation for submission of NCAAA Accreditation documents including program specification, annual program report, program rating scale, self-study report and the other requested documents.
8. Attendance and certificate of the training webinars of the deanship of quality and development, Najran University (15, 21, 23 December 2020) on preparation of program and self-study reports.

MAJOR RESEARCH/TECHNOLOGY TOPICS OF EXPERTISE

1. Neuropharmacology, studying drugs that affect CNS, their mechanisms of action and possible interactions with other drugs or chemical agents.
2. Nanotechnology in pharmacotherapy of different disease states:
 - a) The use of nanovectors in drug targeting through BBB.
 - b) The use of nanocarriers in cancer chemotherapy and overcoming on the antineoplastic resistance.
 - c) The use of nanovectors in RNA and gene targeting to the brain and tumor cells and in vaccine preparations for cancer therapy.
3. Innovative research in developing new drug therapy for different types of cancers and overcoming the corresponding toxicities to cancer chemotherapy.
4. Studying the effect of drugs on the cellular DNA damage and repair and the role of this effect in treatment of neurologic and neoplastic diseases.
5. Studying the effect of drugs on the molecular levels on cellular signaling transduction, cytokines, chemokines, nuclear factors and transcription factors.
6. Toxicological studies of drugs, xenobiotics and chemicals on different body systems and studying the possible effects of new protective agents.

RESEARCH PROJECTS AND THESES

1. MS. Thesis entitled "Role of ion channels in the mechanism of the anticonvulsant effect of valproic acid". Department of Pharmacology, College of Pharmacy, Assiut University, (Egypt), 1998.
2. PhD. Thesis entitled "Enhanced transport of antiamnesic drugs through the blood-brain barrier using Polycyanoacrylate nanoparticles coated with polysorbate-80". Department of Pharmacology, College of Medicine, The First Moscow Medical Academy A. M. Schenove"- Moscow – (Russia), Jun, 2005.
3. Metwally E. Metwally, Basel A. Abdel-Wahab, Mohammed M. El-Khawanki. The protective effect of beta-adrenergic blockers and angiotensin converting enzyme inhibitors on the cardiotoxic and neurotoxic effects of clozapine. (NU. 2/10).
4. Mohammed M. El-Khawanki, Basel A. Abdel-Wahab, Metwally E. Metwally. The possible protective effects of ginkgo biloba and nigella sativa oil on the hematotoxic and neurotoxic effects of long exposure to benzene in rats. (NU. 3/10).
5. Samy Abd El-Aziz El-Safty, Basel A. Abdel-Wahab. Studying the anticonvulsant and neuroprotective effects of omega-3 in rats. (NU. 6/10).
6. Basel A. Abdel-Wahab, Mohamed Zaki Ahmed, Mohamed Shabib Akhtar. Anticancer effect of curcumin microspheres against colorectal carcinoma in rats. (MID/13/22).
7. Jobran M. Al-Qahtani, Basel A. Abdel-Wahab, Samy Abd El-Aziz El-Safty. Studying the neuroprotective effect of Erythropoietin against intermittent hypoxia-induced memory deficits and its corresponding biochemical changes in rats. (NU 8/13).
8. Basel A. Abdel-Wahab, Ibrahim A. Shaikh, Masood M. Khateeb, Shafiuddin M. Habeeb. Studing the single and combined effect of Omega-3 and levitiracetam on seizures and memory deficits in young rats. (MID/13/25).
9. Mohamed S. Zaied, Samy Abd El-Aziz El-Safty, Basel A. Abdel-Wahab, Alaa M. Hashem. Evaluation of Ghrelin and Leptin levels in asthmatic obese Saudi children and their effects on isolated bronchial muscle. Project supported by King Abdul Aziz city for science and Technology (KACST). (AT-34-116).
10. Heba M Saad Eldien, Ola Abd El-Tawab Hussein, Hassan S S, Amany Osama, Asmaa M Sayed, Hasnaa A Tawfik and Basel A. Abdel-Wahab. Therapeutic potentials of cord blood mononuclear cells transplantation for limb ischemia. A comparison between CD34+ and CD34- cells. Project supported by the center of cell culture and molecular biology center, College of Medicine, Assiut University May (2016).
11. Ali Alshabi, Basel A. Abdel-Wahab, Masood M Khateeb. Studying the effect of alpha lipoic acid omega-3 and their combination against acetic acid induced colitis

in rats. Project supported by deanship of research, Najran university (NU/MID/16/92).

12. Ali Alshabi, Basel A. Abdel-Wahab, Ibrahim A Shaikh, Masood M Khateeb. Knowledge and Attitudes Toward Use of Herbal Medicine Among Saudi Arabian Patients Project supported by deanship of research, Najran university (NU/MID/16/080).
13. Ali Alshabi, Basel A. Abdel-Wahab, Possible adverse effects of Antimicrobial agents in pregnant patients in Najran Region (2018-2019).
14. Ali Alshabi, Basel A. Abdel-Wahab, Awareness of Community Pharmacists Toward Medication use in Pregnancy in South Saudi Arabia (2018-2019).
15. Basel A. Abdel-Wahab, Ismail Y Walbi, Hassan Albarky. Studying the effect of Roflamilast on the reproductive toxicity and anticancer activity of cisplatin invivo and invitro. Project supported by deanship of research, Najran university (NU/MID/17/84).
16. Basel A. Abdel-Wahab, Adel Aljadaan, Masood Khateeb. Studying the effect and mechanisms of Piclamilast on chemically-induced colorectal cancer in rats. Project supported by deanship of research, Najran university (NU/MID/17/87).
17. Saad A Alkahtani, Basel A. Abdel-Wahab, Ehab M Elagab. Studying the possible protective effect of HO-1 activators against cisplatin-induced reproductive toxicity in male rats. Project supported by deanship of research, Najran university (NU/MID/17/93).

RESEARCH ACTIVITES

1. Member of the Health Colleges Research council Najran University, Saudi Arabia, (2015-2018).
2. Head of the research committee, college of Pharmacy, Najran University, Saudi Arabia, (2015-2018).
3. Member of the research committee, college of Pharmacy, Najran University, Saudi Arabia, (2018- till now).

REVIEWER FOR SCIENTIFIC INTERNATIONAL JOURNALS

✚ Certified Reviewer for **ELSEVIER** publisher, and reviewer for a wide number of international medical journals; For Example:

1. British Journal of Pharmacology.
2. Cardiovascular Toxicology.
3. Epilepsy research.
4. European Journal of Pharmacology.

5. Inflammopharmacology.
6. International Immunopharmacology.
7. OMICS- Journal of Depression and Anxiety.
8. Neuroscience Letters.
9. Psychiatry and Clinical Neurosciences.
10. Pharmacology, Biochemistry and Behavior.
11. Clinical and Experimental Pharmacology and Physiology.
12. Phytotherapy Research.
13. Pharmacological Research
14. Toxicology and Applied Pharmacology.
15. Journal of Physiology and Biochemistry.
16. Metabolic Brain Disease.
17. Journal of Pharmacy and Pharmacology.

MEMBER OF EDITORIAL BOARD OF INTERNATIONAL JOURNALS

- ✚ Editorial board member of "**AUSTIN JOURNAL OF PHARMACOLOGY AND THERAPEUTICS**". (2012- till now).
- ✚ Assistant of the Chief Editor of the journal of "**CARDIOVASCULAR TOXICOLOGY**" – **Springer-Nature Science** (November 2020- for 3 years).
- ✚ Consultant for Global Universities Ranking institution "**TOP UNIVERSITIES INSTITUTION**" for Middle East region (2019-till now).
- ✚ Consultant for World Universities Ranking institution "**TIMES HIGHER EDUCATION**" for Middle East and Africa region (2019-till now).

TRAINING COURSES AND PROGRAMS

1. Training course in Molecular Biology "**Biotechnology and PCR Techniques**", From "**The Center of Molecular Biology, Assiut University**", February; 1998.
2. Training course in computer sciences "**Microsoft Windows and Office**", From "**The Computer Center, Faculty of Medicine, Assiut University**", March 2001.
3. Training course of **Russian language**, from the **Center of Russian language, Moscow Medical Academy "A.M. Schinove"**, 2002 "with Excellent Degree".
4. Training course in "**Drug Targeting to the CNS using Nanovectors**", from the **Center of drug Technology & Biotechnology, Moscow Medical Academy "A.M. Schenove"**, October; 2003.

5. Training course of **Clinical Pharmacology**, College of Pharmacy, Moscow Medical Academy “**A.M. Sechenov**”, 2003.
6. Training course in Molecular Biology “**Sandwich ELISA in Assay of peptide neurotransmitters**”, The Center of Molecular Biology, Russian Academy of drug research” February; 2004.
7. Training course entitled “**Interactive Teaching**”, Center of Improvement of qualifications of staff Members, Assiut University, January, 2006.
8. Training course entitled “**The Advanced Methods of Teaching**”, Center of Improvement of qualifications of staff Members, Assiut University, April, 2006.
9. Training course & presenting lecture entitled “**Improvement the knowledge of graduated students in Biotechnology**”, In the program of the Center of Molecular Biology, Assiut University Feb., 2006.
10. Training course entitled “**Economics of Researches**”, Center of Improvement of qualifications of staff Members, Assiut University, March 2007.
11. Training course entitled “**Preparing Researches and its international Publication**”, Center of Improvement of qualifications of staff Members, Assiut University, May, 2007.
12. Training course entitled “**Quality Assurance and Accreditation**”, Center of Improvement of qualifications of staff Members, Assiut university, July 2007.
13. Training course in Molecular Biology “**Real-time PCR Technique**”, From the Center of Molecular Biology, Assiut University, March, 2007.
14. Training program in Molecular Biology “**Protein Analysis**”, Center of Molecular Biology, College of Medicine, Alexandria University, March, 2007.
15. Workshop entitled “**Academic accreditation. How? And Why?**” in Deputy Rector-ship of Najran University for quality and accreditation, Nov., 2008.
16. Training course entitled “**Planning and Implementation of a Self-study for Accreditation in KSA system**” by British Council, in Prince Naief University for Security Sciences, Riyadh, March, 2009.
17. Training course entitled “**Design internal assessment system for Colleges**” in Deputy Rector-ship of Najran University for Quality and Accreditation, Dec. 2010.
18. Training course entitled “**Developing Research Abilities, Idea Formulation and Research Management**”, King Abdulaziz City for Science and Technology (KACST), 19 Nov, 2012.

19. Scientific day activities of **Prince Mishaal Chair for Edndemic Diseases in Najran** Area, Jun 2012.
20. Training course entitled "**Writing of competitive Research Projects**", Deanship of Quality and Assurance Najran University, Feb. 2012.
21. Training course entitled "**Use of Technology in Teaching**", Deanship of Quality and Assurance, Najran University, May. 2012.
22. Coordination of Scientific day Activities of Health Colleges of Najran University, 19-21 March 2013.
23. Training program entitled "**Self Study of Programs**", Deanship of Quality Assurance and Accreditation, Najran University, 22-23 Feb. 2013.
24. Training program entitled "**Quality standards in the Higher education according to the National commission for Academic Accreditation**", Deanship of Quality Assurance and Accreditation, Najran University, 24-25 Sept. 2013.
25. Training program entitled "**Quality of scientific Research and International publishing in ISI journals**", Deanship of Quality Assurance and Accreditation, Najran University, 16 Nov 2013.
26. Training program entitled "**Program specification According to the National commission for Academic Accreditation**", Deanship of Quality Assurance and Accreditation, Najran University, 18-19 Nov, 2013.
27. Training program entitled "**Evaluation and Assessment of Education Output**", Deanship of Quality Assurance and Accreditation, Najran University, 26-27 Nov, 2013.
28. Training program entitled "**Self Study of Programs**", Deanship of Quality Assurance and Accreditation, Najran University, 22-23 December. 2013.
29. Training program entitled "**Program Report According to the National commission for Academic Accreditation**", Deanship of Quality Assurance and Accreditation, Najran University, 9-10 December, 2013.
30. Training program entitled "**Recent strategies in Higher Education**", Deanship of Quality Assurance and Accreditation, Najran University, 25-26 Feb, 2014.
31. Training program entitled "**The use of Electronic Library and Data Basis of Electronic Saudi Library By Dar Al-Mandoumah Co.**", 18 Feb 2014.
32. Training program entitled "**Courses specification and Report According to the National commission for Academic Accreditation**", Deanship of Quality Assurance and Accreditation, Najran University, 22-23 April, 2014.

33. Training program entitled “**Teaching on the Run (Module I & II)**” *The University of Western, “Australia”*. 8, 9 March 2015.
34. Workshop entitled “**International Publication of Medical Researches**”, Unit of Training and Development of Health Colleges, Najran University, 12 Feb. 2015.
35. Workshop entitled “**Strategic Planning of Scientific Departments**”, Unit of Training and Development of Health Colleges, Najran University, 18 Feb. 2015.
36. Workshop entitled “**Basis of Liposomes and Neosomes as Drug Delivery Systems**”, Unit of Training and Development of Health Colleges, Najran University, 11 March. 2015.
37. Training program entitled “**Performance indicators for the evaluating and Benchmarking of Research in Universities**”, Deanship of Quality Assurance and Accreditation, Najran University, 10 October 2016.
38. Training program entitled “**Learning Outcomes: Design and Evaluation**” Deanship of Quality Assurance and Accreditation, Najran University, 11 October 2016.\
39. Training program entitled “**Standards of Quality of Electronic Learning**”, Deanship of Quality Assurance and Accreditation, Najran University, 14-15 October 2016.
40. Training program entitled “**Skills of Supervision of Scientific Theses**”, Deanship of Quality Assurance and Accreditation, Najran University, 18 October 2016.
41. Training program entitled “**Management of Risks and Crisis in Higher Education Institutions**”, Deanship of Quality Assurance and Accreditation, Najran University, 19-20 October 2016.
42. Training program entitled “**Writing Skills of the Research plan of Scientific Theses**”, Deanship of Quality Assurance and Accreditation, Najran University, 26-27 October 2016.
43. Training program entitled “**Google Educational Applications**”, Deanship of Quality Assurance and Accreditation, Najran University, 31 October 2016.
44. Training program entitled “**Ten Challenges Facing development and Quality in Najran University**”, Deanship of Quality Assurance and Accreditation, Najran University, 1 November 2016.
45. Training program entitled “**Performance indicators and Benchmarking in Universities**”, Deanship of Quality Assurance and Accreditation, Najran University, 6-7 November 2016.

46. Training program entitled “**Designing Plans of Continuous Improvement Depending on the requirements of The internal system of Quality**”, Deanship of Quality Assurance and Accreditation, Najran University, 28-29 November 2016.
47. Training program entitled “**Strategies of The Security of Electronic Documents and Information**”, Deanship of Quality Assurance and Accreditation, Najran University, 5 December 2016.
48. Training program entitled “**Competitive Research Projects**”, Deanship of Quality Assurance and Accreditation, Najran University, 12-13 December 2016.
49. Training program entitled “**Rubrics System for Students evaluation**”, Deanship of Quality Assurance and Accreditation, Najran University, 26-27 November 2016.
50. Training program entitled “**Standards of effective Electronic Presentations**” Deanship of Quality Assurance and Accreditation, Najran University, 23 Feb. 2017.
51. Training program entitled “**Standards of Quality and Effectiveness of University Faculty members**” Deanship of Quality Assurance and Accreditation, Najran University, 6 March. 2017.
52. Training program entitled “**Reference management program End Note**” Deanship of Quality Assurance and Accreditation, Najran University, 8 March. 2017.
53. Training program entitled “**Educational Info-graphics**” Deanship of Quality Assurance and Accreditation, Najran University, 12 March. 2017.
54. 10 tips for writing a truly terrible review" **online webinar (Elsevier)**, 29 October, 2017.
55. How to prepare your manuscript **online webinar (Elsevier)**, 01 October, 2017.
56. Transparency in peer review **online webinar (Elsevier)**, 25 October, 2017.
57. How to review a manuscript **online webinar (Elsevier)**, 27 Jun, 2019.
58. Epigenetic Control of Gene Expression, online non-credit course authorized by **The University of Melbourne** 16 Jul, 2019.
59. Pluripotent stem cell research fundamentals of cultivation and differentiation- online non-credit course authorized by Florida University, 02 December 2020.
60. Enhanced. Rapid Target Identification by NGS for Vaccine Development- online non-credit course authorized by Florida University, 04 December 2020.

CERTIFICATES OF APPRECIATION

1. Certificate of Appreciation from the Dean of Medical Colleges in Najran University for the selection as the Most Active staff member in the medical colleges, in Najran University., 2009-2010.
2. Certificate of Appreciation from the Rector of Najran University for the Completion of preliminary internal assessment program and attainment of Pharmacy College of the 3rd position, 2010-2011.
3. Certificate of Appreciation from the Dean of Medical Colleges in Najran University in the year 2014-2015.
4. Certificate of Appreciation from the Deanship of College of Pharmacy in the year 2014-2015.
5. Certificate of Appreciation on Excellence in Research in College of Pharmacy from Vice rector of Najran University for Academic affairs, 2016-2017.
6. Certificate of Appreciation on presenting a lecture in the diabetic Day, from College of Pharmacy, Najran University, 13 March 2018.
7. Certificate of Appreciation on presenting a lecture " Cancer Immunotherapy: from College of Pharmacy, Najran University, 11 October 2019.
8. Certificate of Appreciation on presenting a lecture " Pharmacogenetic and Pharmacogenomics" from king Khaled hospital, Najran 15 April 2019.
9. Certificate of Appreciation on attending meeting of the academic leaderships Success Experiences and Development Aspirations", from vice Rector of Academic affairs, Najran University, 5 March 2020.
10. Certificate of Appreciation on presenting a lecture " Antibiotic resistance. Is it still a challenge?" from Maternity and children hospital, Najran 11 November 2020.

CONFERENCES AND SYMPOSIA

1. The 17th Annual Scientific Conference Faculty of Medicine, Assiut University, Assiut, Egypt, Feb. 22-25 (1999) [Contributing by two research papers].
2. The 18th Annual Scientific Conference, Faculty of Medicine, Assiut University , Assiut, Egypt, Mar 5-7:20 (2000). [Contributing by a research paper]
3. The 19th Annual Scientific Conference, Faculty of Medicine, Assiut University, Assiut, Egypt. 26th Feb- 1st Mar (2001) [Contributing by two research papers].
4. Annual Scientific conference of college of Pharmacy, Moscow Medical Academy, A.M. Schenove Sept. 2004. Basel A. Abdel Wahab, V.E. Petrov, S. S. Trofimov,

- T.T. Voronina, R. N. Alyautdin. Transport of Proserine Through Blood-Brain Barrier Using Poly(butylcyanoacrylate) Nanoparticles Coated With Polysorbate-80 in Rats.
5. International conference of European Pharmacology, RAMAN-institute, Moscow, Russia, March 2004. Basel A. Abdel Wahab, V.E. Petrov, S. S. Trofimov, T.T. Voronina, R. N. Alyautdin. Transport of Proserine Through Blood-Brain Barrier Using Poly(butylcyanoacrylate) Nanoparticles Coated With Polysorbate-80 in Rats.
 6. 8th European Conference of neuropharmacology [8th ECNP 2004], RAMAN-institute, Moscow, Russia, Sept. 2004. Basel A. Abdel-Wahab, Petrov V. Evgenivech, Renad N. Alyautdin. Brain targeting of nerve growth factor using poly(butylcyanoacrylate) nanoparticles.
 7. 24th Annual conference of the Faculty of Medicine, Assiut University, April 2006.
 8. Annual conference of Clinical Pathology, Faculty of Medicine, Assiut University, April 2006.
 9. 25th Annual conference of the Faculty of Medicine, Assiut University, April 2007.
 10. The First annual conference of Nanotechnology, King Abdul Aziz University, Jun 2008.
 11. 4th Annual conference of the College of Medicine, King Khalid University, May 2008.
 12. 27th Annual conference of the Faculty of Medicine, Assiut University, April 2009.
 13. The second annual conference of Nanotechnology, King Abdul Aziz University, April 2009.
 14. 5th Annual conference of the College of Medicine, King Khalid University, May 2009.
 15. Presenting Lecture under title "Swine Flu, Treatment and Prophylaxis", in the meeting of Swine Flu, College of medicine, Najran University, 10 Nov., 2009
 16. 28th Annual conference of the Faculty of Medicine, Assiut University, April 2010.
 17. 4th Annual conference of Virology and hepatic Diseases, Faculty of Medicine, Assiut University, May 2010.
 18. 10th Annual conference of the College of Medicine 'King Khalid University '5-6 Jun. 2014 (**speaker**): "Moderate dose of exogenous erythropoietin protects against intermittent hypoxia-induced spatial learning deficits in young rats".
 19. 11th Annual conference of the College of Medicine 'King Khalid University 31 August 2015 (**speaker**): "Clozapine-induced cardiotoxicity. Role of oxidative stress and tumor necrosis factor alpha".
 20. 10th Assiut Annual Anesthesia Conference. Department of Anesthesia, College of Medicine, Assiut University, 25 December 2016.
 21. 5th conference of the society of integrated Medicine and Sleep Disorders: "**The Homeostatic Mechanism of The Human Body**". 15-19 november 2016, Luxor-Egypt.

22. 17th international Annual Scientific conference of Department of Tropical Medicine and Gastroenterology: “**Expert solutions in gastroenterology and Hepatology**”
23. Scientific meeting of the department of Tropical medicine and gastroenterology: “Gut microbiota in health and disease. 28th November, 2016, College of medicine, Assiut University.
24. The First international conference of Pharmaceutical Sciences and Education (**ICPSE- 2017**). 29-31 March 2017, Luxor, Egypt. Contributing by a research (Poster): Basel A. Abdel-Wahab. Effect of hydrogen sulfide on behavioral changes and memory deficits induced by exposure to intermittent hypoxia in rats.
25. The First scientific conference of the center of cell culture and molecular biology under title “**Updates in metabolic, molecular and cytogenic disorders**” 29-30 March 2017, College of Medicine, Assiut University.
26. The International conference of Society for Cellular Therapy, [**ISCT 2017**]. 3-6 May 2017, London, UK. Contributing by a research (Poster): Heba M Saad Eldien , Ola Abd El Tawab Hussein ,HassanS S, Amany Osama, Asmaa M Sayed, Hasnaa A Tawfik and Basel A. Abdel-Wahab. Therapeutic potentials of cord blood mononuclear cells transplantation for limb ischemia. A comparison between CD34+ and CD34- cells.
27. Virtual Scientific Conference Faculty of Pharmacy, Tanta University 2020 "New Avenues in Pharmacy and Health care" -Tanta, Egypt. 10-11 October 2020.

❖ **List of Publications**

1. Mahmoud M. Abdel-Rahman, Alaa El-Din A. Elkoussi and Basel A. Abdel-Wahab. Pharmacodynamic interaction between nifedipine and sodium valproate against kainic acid-induced convulsions in mice. ***Assiut University Bull. Res.*** 2(1): 31-43 (1999).
2. Mahmoud M. Abdel-Rahman, Alaa El-Din A. Elkoussi and Basel A. Abdel-Wahab. Combined anticonvulsant activity of verapamil and valproic acid. Pharmacodynamic interaction and influence on serum and brain electrolytes in kainic acid-treated mice. ***The 17th Annual Scientific Conference Faculty of Medicine***, Assiut University, Assiut , Egypt, Feb. 22-25 (1999).
3. Mahmoud M. Abdel-Rahman, Alaa El-Din Elkoussi and Basel A. Abdel-Wahab. Pharmacodynamic interaction between nifedipine and sodium valproate against kainic acid-induced convulsions in mice. ***The 17th Annual Scientific conference, Faculty of Medicine***, Assiut University, Assiut, Egypt. Feb. 22-25 (1999).
4. Mahmoud M. Abdel-Rahman, Alaa El-Din A. Elkoussi and Basel A. Abdel-Wahab. Influence of sodium channel blockade on the anticonvulsant properties of sodium valproate against kainic acid-induced convulsions in mice. ***The 18th Annual Scientific Conference, Faculty of Medicine***, Assiut University , Assiut, Egypt, Mar 5-7:20 (2000).

5. Mahmoud M. Abdel-Rahman, Alaa EL-Din A. Elkoussi and **Basel A. Abdel-Wahab**. Effect of Lidocaine on the anticonvulsant properties of valproic acid against convulsions elicited by pentylenetetrazol in mice. ***The 19th Annual Scientific Conference, Faculty of Medicine***, Assiut University, Assiut, Egypt. 26th Feb- 1st Mar (2001).
6. Mahmoud M. Abdel-Rahman, Alaa EL-Din, A. Elkoussi and **Basel A. Abdel-Wahab**. Modulation of the anticonvulsant action of valproic acid by verapamil against pertylentetrazol-induced seizures in mice. ***The 19th Annual Scientific Conference, Faculty of Medicine***, Assiut University, Assiut, Egypt. PP. 91. 26th Feb. 1st Mar (2001).
7. Mahmoud M. Abdel-Rahman, Alaa EL-Din, A. Elkoussi and **Basel A. Abdel-Wahab**. Does the dihydropyridines modify the anticonvulsant action of sodium valproate? ***The 19th Annual Scientific Conference, Faculty of Medicine***, Assiut University, Assiut, Egypt. PP 92. 26th Feb- 1st Mar (2001).
8. **Basel. A. Abdel-Wahab**, V.E. Petrov, S.S. Trofimov, T.T. Voronina, R.N. Alyautdin. Transport of proserine through blood brain barrier using poly(butylcyanoacrylate) nanoparticles coated with polysorbate-80 in rats. ***J. European Neuropsychopharmacology***, 15,2:213-214, (2005).
9. **Basel A. Abdel-Wahab**, Petrov V. Evgenivech, Renad N. Alyautdin. Brain targeting of nerve growth factor using poly(butylcyanoacrylate) nanoparticles. ***The Internet J. of Pharmacology***, 3;5:723-731,(2005).
10. **Abdel-Wahab BA**, Petrov VE, Trofimov SS, Voronina TA, Aliautdin RN. Antiamnesic activity of nerve growth factor adsorbed on poly(butyl) cyanoacrylate nanoparticles coated with polysorbate-80. ***Eksp Klin Farmakol***. Nov-Dec;68(6):3-8. (2005).
11. Atef A. Abdel-Hafez, **Basel A. Abdel-Wahab**. 5-(4-Chlorophenyl)-5,6-dihydro-1,3-oxazepin-7(4H)-one derivatives as lipophilic cyclic analogues of baclofen: Design, synthesis, and neuropharmacological evaluation. ***Bioorganic & Medicinal Chemistry*** (2008),16: 7983–7991.
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13. **Basel A. Abdel-Wahab**, Mahran S. Abd El-Rahman, Mohamed M. Abd El-latif. Enhanced Delivery of Baclofen Through Blood-Brain Barrier Using Poly(butyl cyanoacrylate) Nanoparticles Coated with Polysorbate-80 as a Carrying Vector. ***The International Conference For Nanotechnology Industries, Riyadh, KSA*** (2009),19-20/6/: 49-56.
14. Mohamed A. Shaaban, Awwad A. Radwan, Yaseen A. Mosa and **Basel A. Abdel-Wahab**. Synthesis and docking study of some pyrazolo [3,4-*d*]pyrimidin- 4(5*h*)-one

derivatives as phosphodiesterase-5 inhibitors. **Saudi Pharmaceutical Journal**, (2009),17(2):109-128.

15. **Basel A. Abdel-Wahab**, Mohamed M. Abdel-Latif, Atef A. Abdel-Hafez. Comparative study for brain delivery of tacrine using polysorbate 80 – coated poly(butylcyanoacrylate) and pegylated-poly(butylcyanoacrylate) nanoparticles. **Int. J. Nano and Biomaterials**, (2009), 2, (1-5):360-374.
16. Samy M. Abd El-Aziz and **Basel A. Abdel-Wahab**. Urocortin 1 inhibits guinea pig gallbladder contractility in vitro via corticotropin-releasing factor receptor 2. **Canadian Journal of Physiology and Pharmacology**, (2011);(89):1-9.
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19. **Basel A. Abdel-Wahab**, Mohamed M. Elkhawanki. Possible Involvement of Nitric Oxide Signaling Pathway in the Protective Effect of Clomipramine Against Acute Immobilization Stress-Induced Behavioral and Biochemical Changes in Mice. **The Medical Journal of Cairo University**, (2011), 13:24-31.
20. **Basel A. Abdel-Wahab** and Metwally E. Metwally. Enhancement of the Anticonvulsant and Neuroprotective Effects of Sodium Valproate by Ginkgo Biloba Against Kainic Acid-Induced Seizures in Mice. **Zagazig University Medical Journal** (2011), 13:22-36.
21. **Basel A. Abdel-Wahab**, Samy M. Abd El-Aziz (2012): *Ginkgo biloba* protects against intermittent hypoxia-induced memory deficits and hippocampal DNA damage in rats. **Phytomedicine**. 19: 444– 450.
22. **Basel A. Abdel-Wahab**, Metwally E. Metwally and Saied S. Elshamab. (2012). Involvement of GABA-ergic transmission in the anticonvulsant effect of *Ginkgo biloba* against kainic acid induced seizures in mice. **Ain Shams journal of Forensic medicine and Clinical Toxicology**. 18:137-143.
23. **Basel A. Abdel-Wahab**, Metwally E Metwally. Protective Effect of Alpha Lipoic Acid against Lead-induced Hippocampal Neurotoxicity and Neuronal Oxidative Stress in Rats. **Austin Journal of Pharmacology and Therapeutics** (2014) 2 (11), 1-8.
24. Jobran M. Al Qahtani, **Basel A. Abdel-Wahab**, Samy M. Abd El-Azizb. Long-term moderate dose exogenous Erythropoietin treatment protects from intermittent hypoxia-induced spatial learning deficits and hippocampal oxidative stress in young rats. **Neurochemical Research**, (2014) Jan;39(1):161-71.

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30. Mohamed M.M. Abdel-Latif, **Basel A. Abdel-Wahab**. Knowledge and awareness of adverse drug reactions and pharmacovigilance practices among healthcare professionals in Al-Madinah Al-Munawwarah, Kingdom of Saudi Arabia. **Saudi Pharmaceutical Journal** (2014), 22:490-498.
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oxidative DNA damage and increased p47Phox NADPH oxidase expression in young rats. ***Behavioural Brain Research*** (2016), 305: 65-75.

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38. Mohamed M. El-khawanky, **Basel A. Abdel-Wahab**, Metwally E. Metwally and Alaa M. Hashem. Benzene-induced hematotoxicity and DNA damage in rats. ***Nature and Science of sleep*** (2016),14(12:53-57.
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41. CB Savant, AR Kulkarni, **Basel A Abdel-Wahab**, AM Al-Qahtani. Phytochemical characterization and Antibacterial potentials of Mangifera indica L. bark oil. ***Journal of Applied Pharmaceutical Science*** (2017), 7 (04), 138-141.
42. Heba M Saad Eldien, Ola Abd El Tawab Hussein, HassanS S, Amany Osama, Asmaa M Sayed, Hasnaa A Tawfik and **Basel A. Abdel-Wahab**. Therapeutic potentials of cord blood mononuclear cells transplantation for limb ischemia. A comparison between CD34+ and CD34- cells. ***Cytotherapy*** (2017), 5: 213-2017.
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44. Mohamed Z. Ahmad, Javed Ahmad, Musarrat H. Warsi, **Basel A. Abdel-Wahab**. Metallic nanoparticulate delivery systems (2020). In book: ***Nanoengineered Biomaterials for Advanced Drug Delivery***.

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Contact Me Through:

Address:

- 1) Department of **Pharmacology**, College of Medicine, Assiut University, Assiut, Egypt.
- 2) Department of **Pharmacology and Toxicology**, College of Pharmacy, Najran University, Najran, Kingdom of Saudi Arabia.

Mobile: - (00966) -553899185 (Najran, KSA).

- (002) 01063525327 (EGYPT).

E-mail: babdelnaem@nu.edu.sa basel_post@aun.edu.eg
 basel_post@yahoo.com basel_post@msn.com