
Curriculum Vitae

Personal Details

Name: Emad A. El-Bassiouni

Date of Birth: November 16, 1940

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Affiliation Medical Research Institute

University of Alexandria

Qualification B. Pharm. & Pharm. Chem., Faculty of Pharmacy, Alexandria
University, Alexandria Egypt, 1961

M. Pharm (Pharmacology), Faculty of Pharmacy, Alexandria
University, Alexandria, Egypt, 1966
PhD, University of North Carolina at Chapel Hill, North Carolina,
U.S.A. 1972

Appointments

- 1961 – 1963: Demonstrator, Assiut University, Assiut, Egypt.
- 1963 – 1967: Research Assistant, Pharmacology Unit, Medical Research Institute, Alexandria Egypt.
- 1967 – 1972: Teaching Assistant, School of Pharmacy, University of North Carolina at Chapel Hill, USA.
- 1972 – 1973: Post-doctoral fellow, Biological Chemistry Laboratories, Medical Division, Oak Ridge Associated Universities, Oak Ridge, Tennessee, USA.
- 1973 – 1974: Visiting Fellow, Pharmacokinetics Section, Pharmacology Branch, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina, USA.
- 1974 – 1975: Research Scientist, Drug Disposition Group, McNeil Laboratories Inc., Fort Washington, Pennsylvania, USA.
- 1975 – 1981: Lecturer, Department of Pharmacology, Medical Research Institute, Alexandria University, Alexandria Egypt.
- 1981 – 1986: Associate Professor and Acting Head, Department of Pharmacology, Medical Research Institute, Alexandria, Egypt.
- 1983 – 1986: Adjunct Associate Professor, Department of Environmental Sciences, Environmental Toxicology Section, University of Alexandria Research Center, (UNARC), Alexandria, Egypt.
- 1986 – 1991: Professor and Chairman Department of Pharmacology, Medical Research Institute, Alexandria University, Egypt
- 1991 – 1993: Vice Dean for Graduate Studies and Research, Medical Research Institute, Alexandria University, Egypt
- 1993 – 2000: Professor, Department of Pharmacology, Medical Research Institute, Alexandria University, Egypt.
- 2000- Present: Emeritus Professor of Pharmacology, Medical Research Institute, Alexandria, Egypt.

Courses, Meetings & Conferences

- 1 Responsible for devising and teaching courses in Toxicology, Chemotherapy and Pharmacokinetics to graduate and undergraduate students at the Faculty of Pharmacy, Tanta University, Tanta, Egypt.
- 2 Supervising post-graduate research, Department of Biochemistry, Tanta University, Faculty of Medicine.
- 3 Consultant during start-up operations, Colgate-Palmolive company (Egypt), Alexandria, Egypt, 1981.
- 4 Visiting Professor, Department of Biotechnology, University of Würzburg, Germany, July – December, 1990..
- 5 Visiting Professor, Faculty of Pharmacy and Pharmaceutical Sciences, Amman University, Amman, Jordan. 1996 – 1997, 2003 – 2004, 2005 - 2009

Publications

1. Ezz, EA, **El-Bassiouni, EA** and Ghazal, A: The effect of tartar emetic therapy on the metabolism of liver cells in normal, malnourished and bilharzial mice.
Proc. Afro-Asian Symp. Chemother. Schist., P 151, Cairo, 1971.
2. Ezz, EA, **El-Bassiouni, EA** and Ghazal, A: Effect of bilhazial infestation on the metabolism of liver cells.
Proc. Afro-Asian Symp. Chemother. Schist., P 611, Cairo, 1971.
3. Kudla, RM, **El-Bassiouni, EA** and Mattocks, AM: Accelerated peritoneal dialysis of barbiturates, diphenylhydantoin and salicylate.
J Pharm Sci 60: 1065, 1971.
4. Mattocks, AM and El-Bassiouni, EA: Peritoneal dialysis – A review J Pharm Sci 60: 1967, 1971.
5. **El-Bassiouni, EA** and Mattocks, AM: Acceleration of peritoneal dialysis with minimal N-myristyl- β -aminopropionate. J Pharm Sci 62: 1314, 1973.
6. El-Bassiouni, EA, Piantadosi, C and Snyder, F: Metabolism of alkyldihydroxyacetone phosphate in rat brain.
Biochem Biophys Acta 388: 5, 1975.
7. Mehendale, HM and **El-Bassiouni, EA**: Uptake and disposition of aldrin and dieldrin by isolated perfused rabbit lung.

- Drug Met Disp 3: 543, 1975.
8. Ramadan, MIA, El-Basha, HM and **El-Bassiouni, EA**, Nasr, F and Nasra, MK: Some metal ion changes in plasma and erythrocytes following ether anaesthesia and surgery in bilharzial patients. *J Trop Med Hyg.* 80: 243, 1977.
 9. El-Sewedy, SM, **El-Bassiouni, EA** and El-Assar, M: Effect of some steroids on bovine pancreatic ribonuclease *in vitro*. *Biochem Pharmac* 27: 1831, 1978.
 10. **El-Bassiouni, EA**, Ramadan, MIA, Basha, HM, and El Sawy, M: Relationship between duration of action of pancuronium bromide and serum albumin concentration in bilharzial splenomegalic patients. *J Med Res Inst* 1: 93, 1980.
 11. Zaki, K, Ramadan, MIA, Basha, HM, **El-Bassiouni, EA** and Nour, H.: Effect of nitrous oxide anesthesia and surgical trauma on blood glucose, plasma insulin and cortisol in bilhazial patients. *J Med Res Inst*: 1: 101, 1980.
 12. **El-Bassiouni, EA**, El-Sewedy, SM and Mostafa, MH: The effect of some steroids and prostaglandins on the activity of β -glucuronidase. *J Med Res Inst*: 1 109, 1980.
 13. Basha, MH, Michael, AI, **El-Bassiouni, EA** and Guirgis, RS: Phenobarbitone pretreatment in bilharzial surgical patients receiving ether anesthesia: Effect on some liver enzymes. *Bull Alex Fac Med* 17: 729, 1980.
 14. El-Sewedy, SM, Mostafa, MH, **El-Bassiouni, EA** and Zahran, MA: Effect of methanesulphonate of hycanthone (Etrenol) on the activities of liver ribonuclease and deoxyribonuclease enzymes of normal and *S. mansoni* infected mice. *J Med Res Inst* 2: 221, 1981
 15. **El-Bassiouni, EA**, Youssef, MK and El-Shahawy, IA: Bioavailability of Chloramphenicol from its citric acid solid dispersion after oral and rectal administration to dogs. *J Med Res Inst*: 2: 221 1981.
 16. Neematallah, F, Ramadan, MIA, **El-Bassiouni, EA**, Badr, GB, Zaki, A and Zeidan, MS: A study of thiopentone in insulin-dependant diabetics. *J Med Res Inst* 2: 275, 1981.
 17. Akhnoukh, S, El-Shazly, N, Sallam, N, El-Melegy, S, El-Sewedy, SM, Mostafa, MH and **El-Bassiouni, EA**, *In vivo* effect of chloramphenicol and thiamphenicol on some enzymes of normal mouse liver. *Biochem Pharmac* 31: 55, 1982.
 18. Mostafa, MH, El-Sewedy, SM, **El-Bassiouni, EA** and abdel-Tawab, GA: *In vivo* and *in vitro* studies on the effects of some phenothiazines and sulphiride on kynurenine metabolism. *Biochem Pharmac* 31: 227. 1982.
 19. Mahmoud, LM, Moussa, SM, **El-Bassiouni, EA**, and Arafa, AF: The value of carcinoembryonic antigen (CEA) assay in carcinoma of the bladder in Egypt. *Egypt J Oncoogy* 2: 43, 1982.
 20. El-Sewedy, SM, Zahran, MA, Zeidan, MA, Mostafa, MH and **El-Bassiouni, EA**:

- Effect and mechanism of action of methomyl and cypermethrin insecticides on kynurenine metabolizing enzymes of mouse liver.
J Environ Sci Health **B17** 527, 1982.
21. El-Sewedy, SM, Mostafa, MH, **El-Bassiouni, EA**, Abdel-Rafee, A and El-Sebae, AH: Effect of fenvalerate on kynurenine metabolizing enzymes and acid ribonuclease of mouse liver.
J Environ Sci Health **B17** 571, 1982.
 22. Mostafa, MH, **El-Bassiouni, EA**, El-Sewedy, SM, Tawfic, T and El-Sebae, AH: Influence of pretreatment with various insecticides on the N-demethylation of dimethylnitrosamine.
Environ Res **32**: 57, 1983.
 23. Mostafa, MH, **El-Bassiouni, EA**, El-Sewedy, SM, El-SZoghby, S, Ramadan, M, Abdel-Tawab, GA and El-Sebae, AH, Effect of some xenobiotics on kynurenine Hydrolase and kynurenine aminotransferase of mouse liver.
J Environ Sci Health: **B18**: 393, 1983.
 24. Neematallah, F, Ramadan, MIA, **El-Bassiouni, EA**, Badr, GB, Zaki, A, Basha, HM and Zeidan, MS: Prolonged thiopentone anesthesia in diabetics on oral hypoglycaemics.
Alex Med J **25**: 126, 1983.
 25. Mostafa, MH, **El-Bassiouni, EA**, El-Sewedy, SM, Akhnoukh, S, Tawfic, T and Abdel-Rafee, A: Hepatic microsomal enzymes in Schistosoma mansoni-infected mice: I. Effect of duration of infection and lindane administration on dimethylnitrosamine demethylases. Environ Res **35**: 153, 1984.
 26. **El-Bassiouni, EA**, Mostafa, MH, El-Sewedy, SM, El-Meligy, S, Abdel-Aziz, and Abdel-Rafee, A: Hepatic microsomal enzymes in S.mansoni-infected mice: II Effect of duration of infection and Lindane and administration on aminopyrine demethylase and aniline hydroxylase.
J Environ Sci Health **B19**: 193, 1984.
 27. **El-Bassiouni, EA**, Abdel-Meguid, E, Mahgoub, AS, Rizk, RE, Salman, ZK and Zeitoun, R: Disposition of antipyrine and phenylbutazone in alloxan-diabetic rabbits.
Bull Alex Fac Med **21**: 473, 1985.
 28. **El-Bassiouni, EA**, Nassar, SH Mahgoub, AS and Rizk, RE: Binding of phenylbutazone and salicylate to plasma proteins from normal subjects and insulin-dependant diabetics.
Bull Alex Fac Med **21** 493, 1985.
 29. Mahgoub, AS, **El-Bassiouni, EA**, Nassar, SH, Idle, JR and Smith, RL: Slow acetylation and impaired drug oxidation traits among English and Egyptian Subjects: A preliminary report.
Bull Alex Fac Med **22** 147, 1986.
 30. **El-Bassiouni, EA**, El-Gendi, MA, Fahmi, A, Nassar, SH and Sedark, MS: Effect of depot medroxyprogesterone acetate on some bile constituents of the dog.
African J Pharmacol **1**: 19, 1986.
 31. Mohamed, HF, **El-Bassiouni, EA**, Shams-eldeen, MA, Nasr, M and Zeitoun, R: Binding study of phenylbutazone and piroxicam to human serum albumin.
IRCS Med Sci **14**: 29, 1986.
 32. **El-Bassiouni, EA**, Ramadan, MIA, Afify, MK, Narshy, WK and El-Hefny, SA: The

- effect of halothane, enflurane and nitrous oxide anesthesia on hepatic drug biotransformation in schistosomal patients undergoing splenectomy.
Bull Alex Fac Med 22: 551, 1986.
33. El-Gendy, MA, **El-Bassiouni, EA**, Nassar, SH, and El-Sabbah, K: Effect of PGE₂ on the composition of secretin- and pancreozymin-stimulated bile in cholecystectomised patients.
Bull Alex Fac Med 22: 383, 1986.
34. Rizk, RE, **El-Bassiouni, EA**, Mikhail, AR and Mikhail, MM: Interaction of some antihistaminic drugs with epinephrine and isoproterenol.
J Med Res Inst 7: 49, 1986.
35. **El-Bassiouni, EA**, and Ramadan, MIA: The concept of agro-medicine and the need for a drug and poison control center in Egypt, in "Environmental Toxicity and Carcinogenesis, Proceedings of the Regional Workshop", p271, Text and Journal Corp., Bangkok, Thailand, 1986.
36. **El-Bassiouni, EA**, Nasr, M, El-Habet, A, Abou-Zeit-Har, MS and Zeitoun, RM: Changes in the activities of drug metabolizing enzymes in rat liver following administration of piroxicam and diclfenac sodium.
J Med Res Inst 8: (suppl. 2), 21, 1987.
37. Rizk, RE, Bistawroos, AE and **El-Bassiouni, AE**.: The effect of tricyclic and tetracyclic antidepressants on the levels of norepinephrine, dopamine and serotonin in rat brain.
Bull Alex Fac Med 23: 1019, 1987.
38. Nassar, SH, **El-Bassiouni, EA**, El-Gendi, MA, El-Dakhakhny, MI and Ismail, SM: Pharmacokinetics of chloramphenicol in plasma and lymph in patients with schistosomal hepatic fibrosis.
Bull Alex Fac Med 23: 1093, 1987.
39. El-Gendy, MA, Nassar, SH and **El-Bassiouni, EA**: Histamine and histamine receptor antagonists in splanchnic compartments in schistosomal portal hypertension.
Clin Pharmacol Ther 44: 396, 1988.
40. **El-Bassiouni, EA**, Nassar, SH, El-Gendi, MA and El-Dakhakhny, MI: Metronidazole kinetics in plasma and lymph in hepatosplenic schistosomiasis. Bull Alex Fac Med 24: 525, 1988.
41. Androni, M, Rocchi, G, **El-Bassiouni, EA**, Giannini, F and Vatalaro, F: Definition and design of an integrated satellite system for telemedicine and distant learning. Thirty seventh International Convention of Communication, Genoa, Italy, 5-7 October 1989.
42. **El-Bassiouni, EA**, Rizk, RE, Farag, EM and Ghazal, A: Studies on the hepatotoxicity of some centrally acting drugs.
Alex J Pharm Sci 4: 39, 1990
43. Kotb, MA, El-Khatib, A, Morsy, AA, Ramadan, MIA and **El-Bassiouni, EA**: Changes in mineral elements in some tissues of mice following neutron irradiation. Isotopenpraxis 26: 297, 1991
44. Kotb, MA, Abdel-Mawla, AA, El-Khatib, A, Ramadan, MIA and **El-Bassiouni, EA**: Effect of whole-body irradiation by fast neutrons on mouse tissues. Part I: Activity

- of acid phosphatase and succinic dehydrogenase in kidney, lung and liver.
Isotopenpraxis 27: 97, 1991
45. Kotb, MA, El-Khatib, A, Abdel-Mawla, AA, Ramadan, MIA and **El-Bassiouni, EA**: Effect of whole body irradiation by fast neutrons on mouse tissues: Part II: Activity of acid phosphatase and succinic dehydrogenase in testicular tissue.
Isotopenpraxis 27: 101, 1991
 46. Clöck, G, Wisnewski, AV. **El-Bassiouni, EA**, Ramadan, MIA, Gessner, P, Zimmermann, U and Kresina, TF: Human hybridoma generation by hypo-osmotic eletrofusion: characterization of human monoclonal antibodies to Schistosoma mansoni parasite antigens.
Hybridoma 11: 469, 1992.
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Alex J Pharm Sci 6 : 75, 1992.
 48. Ismail, SS, Rossi, L, Risk, RE, Mikhail, MM, Rotilio, G, and **El-Bassiouni, EA**: Changes in biochemical parameters associated with oxidative metabolism in mouse liver following infection S. masoni and treatment with praziquantel.
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Toxicology 128: 25, 1998.
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Toxicology 144, 57, 2000.
 51. Helmy, MH, Ismail, SS, Fayed, H, and **El-Bassiouni, EA**: Antioxidants as adjuvant therapy in rheumatoid disease. A preliminary study.
Arzneim Forsch/Drug Res. 51: 293, 2001.
 52. **El-Bassiouni, EA**, Helmy MH, Abdel-Hamid, MA, Shohayeb, MA and Ismail, SS.:*In Vitro* effect of low concentrations of oltipraz on the antioxidants defense o9f mouse hepatocytes and schistosoma mansoni worms.
Br. J. Biomed. Sci 61: 15, 2004.
 53. **El-Bassiouni EA**, Helmy MH, Abou-Rawash N, El-Zoghby SM, Kamel MA-N, Abou-Rayah AN. Embryopathy in experimental diabetic gestation: Assessment of oxidative stress and antioxidant defense.
Br J Biomed Sci 62: 71, 2005.
 54. **El-Bassiouni EA**, Helmy MH, Abou-Rawash N, El-Zoghby SM, Kamel MA-N, Abou-Rayah AN. Embryopathy in experimental diabetic gestation: Assessment of PGE₂ levels, the gene expression of cyclooxygenases and apoptosis.
Br J Biomed Sci. 62: 161, 2005
 55. Kotb MA, **El-Bassiouni EA**, Ramadan MIA, Maraqa A, Zimmermann U and Arnold WM: The surface electrical properties of lymphocytes from the spleen of bilharzial and non-bilharzial subjects.
Egypt J Biophys Biomed Engineering 7: 173, 2006
 56. Kotb MA, **El-Bassiouni EA**, Ramadan MI, Maraqa A, Farah H. Zimmermann U

and Arnold WM: *In vitro* influence of some local anesthetics on the surface electrical properties of erythrocytes.

Egypt J Biophys Biomed Engineering, 7: 185, 2006

57. **El-Bassiouni EA**, Helmy MH, El-Zoghby SM, Kamel M, Hosny RM: Relationship between level of circulating modified LDL and the extent of coronary artery disease in type 2 diabetic patients.

Brit J Biomed Sci 64: 109-116, 2007

58. **El-Bassiouni EA**, Helmy MH, Saad EI, Kamel MA-N, Abdel-Meguid E, Hussein HSE: Modulation of the antioxidant defence in different developmental stages of *Schistosoma mansoni* by praziquantel and artemether.

Brit J Biomed Sci 64: 168, 2007

59. Salim MD, Al-Matubsy HY, El-Sharaky AS, Kamel MA, Oriquat GA, Helmy MH and **El-Bassiouni EA**: The levels of vascular endothelial growth factor-A and placental growth factor-2 in embryopathy associated with experimental diabetic gestation. Growth Factors 27: 32, 2009.

60. Al-Matubsi HY, Salim MD, El-Sharaky AS, Kamel MA-N, Oriquat GA, Helmy MH, **El-Bassiouni EA**, Shourbaji M. Activities of cyclooxygenases, and the levels of prostaglandins E₂ and F_{2α}, in fetopathy associated with experimental diabetic gestation.

Diabetes & Metabolism 36: 43, 2010

Supervision of Thesis

Experiences:

Member of the Scientific Committee, Egyptian Italian Cooperation Project for Extension of the Medical Research Institute

Others:

Societies:

- 1 Sigma Xi (Associate member, USA)
- 2 Rho Chi (honorary Pharmacy Society, USA)
- 3 Egyptian Society for Pharmacology and Experimental Therapeutics
- 4 Egyptian Society of Toxicology
- 5 National Committee of Pharmacology, Egyptian Academy of Scientific Research.

Awards:

Alexandria University Research Development Award, 1983
