

CURRICULUM VITAE



[1] PERSONAL INFORMATION

Name: Gaber E. El-Desoky

Status: Professor

Affiliation: Chemistry Department, College of Science, King Saud University, B.O.BOX: 2455, Riyadh 11451, Kingdom of Saudi Arabia

Tel: +966-4674198

Mobile phone: (+966) 0596817646

E-mail: eldesokyg@yahoo.com; geldesoky@ksu.edu.sa

Nationality: Egyptian

Sex: Male

Marital Status: Married

Languages:

- Arabic, mother tongue)
 - English Spoken and Written.
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[2] ACEDMIC CERTIFICATES

- Ph.D. Biochemistry Department College of Agriculture, University of Cairo, Egypt, 1986. Thesis title: "Biochemical Studies on Some Natural Compounds".
 - M.Sc. Biochemistry Department, College of Agriculture, University of Cairo, Egypt, 1982. Thesis title: "Biochemical Studies on the Effect of Hypoxia and Starvation on the Metabolism of Albino Rats".
 - B.Sc. Biochemistry Department, College of Agriculture, University of Cairo, Egypt, 1977.
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[3] EMPLOYMENT HISTORY

- **Assistant Lecturer:** Biochemistry Department, Faculty of Agriculture, University of Cairo, Egypt, from 1977 to 1982.
- **Lecturer:** Biochemistry Department, College of Agriculture, University of Cairo, Egypt, from 1982 to 1986.

- **Assistant Professor:** Biochemistry Department, College of Agriculture, University of Cairo, Egypt, from 1986 to 1991.
- **Associate Professor:** Biochemistry Department, College of Agriculture, University of Cairo, Egypt, from 1991 to 1997.
- **Professor:** Biochemistry Department, College of Agriculture, University of Cairo, Egypt, from 1997 until now.

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[4] FELLOWSHIP

- **Peace Fellowship to Massachusetts University** at Amherst, USA, in 1989-1990 to study the anti-mutagenic and anti-carcinogenic activities of chlorophyll and annatto as natural food colorants.
- **Visiting Professor to Virginia State University-Virginia State-USA**, in 1990, and gave Presentation about the anti-mutagenic and anti-carcinogenic activities of chlorophyll and annatto as natural food colorants.

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[5] SECONDMENTS

- Secondment to King Saud University, College of Agriculture, Food Science and Nutrition Department, Riyadh, KSA, from 1993 To 1999.
- Secondment to King Saud University, College of Agriculture, Food Science and Nutrition Department, Riyadh, KSA, from 2004 to 2008.
- Secondment to King Saud University, College of Science, Chemistry Department, Riyadh, KSA, from 2008 until now.

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[6] TEACHING EXPERIENCE

- Teaching the following practical and Theoretical courses to under and postgraduate students in Faculty of Agriculture Biochemistry Department –Cairo University-Egypt (1977 to 1989, 1991-1993; 1999 – 2004).

General Biochemistry- Organic Chemistry. -Nucleic Acids Chemistry. Energy Metabolism- Biophysical Chemistry- Analytical Chemistry- Enzymes Chemistry- Vitamin and Hormone Chemistry- Biochemical Changes- Chromatographic Methods- Natural Products Biochemistry Courses.

- Teaching the following practical and Theoretical courses to under and postgraduate students in Faculty of Agriculture Food science and Nutrition Department –King Saud University-Riyadh. (1993 -1999).

Applied Nutrition- Nutritional Biochemistry- Social Nutrition-Chemical Food Analysis Courses.

- Teaching the following practical and Theoretical Coerces to under and postgraduate students in Faculty of Science- chemistry Department –King Saud University. (Since 2005 until now).

General Chemistry- Analytical Chemistry Courses.

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[7] BOOK AUTHORSHIPS

- Green solvents in Thin Layer Chromatography, edited by Inamuddin and Mohammad Luqman to be published by Springer, United Kingdom. **2012**.
- Cation-exchanged Silica Gel Based Thin Layer Chromatography of Organic and Inorganic Compounds, edited by Ali Mohammad and Inamuddin to be published by Springer, United Kingdom, **2012**.
- “Selected Topics In Organic Chemistry “, Egyptian Book House, 3249/1992, 977-223-047-X.
- Ali Mohammad, Inamuddin, Asma Siddiq, Mu. Naushad, **Gaber E.Eldesoky**, Green solvents in Thin Layer Chromatography, edited by Inamuddin and Mohammad Luqman to be published by Springer, United Kingdom.
- Ali Mohammad and Abdul Moheman, **Gaber E. Eldeoky**, Cation-exchanged Silica Gel Based Thin Layer Chromatography of Organic and Inorganic Compounds, edited by Ali Mohammad and Inamuddin to be published by Springer, United Kingdom.

[8] THESIS SUPERVISION

Since 1986 until now I supervised 7 M.Sc. and 5 Ph.D. as follow:

- ***M.Sc. thesis:***
 - Flavonoids and Cancer. Wafaa Mahmmmod Samy 2000.
 - Flavonoids and Kidney function. Rasha Nabil Mostafa 2000.
 - Biochemical evaluation some cotton gene compositions under salinity circumstances. Amal Abdel-Moneem Mostafa 2001.
 - Biochemical studies on elderly Nutrition. Abeer Amer Abas Mohamed. 2001.
 - Biochemical studies on some foods supplemented with calcium and vitamin D. Azza Abdel-moneem Abdel Assis. 2002.

- Biochemical and mutagenic studies on some plant extracts. Yasser Saeed Helmy. 2003.
- Studies on atmospheric nitrogen inhibitors as legumes and non legumes growth regulators. Hend Mostafa Abdelaleem Ewas 2004.

- ***Ph.D. thesis:***

- Biochemical studies on some flavonoides extracted from medicinal plants. Hemmat Sameh Abdel-Salam 1999.
- *Biochemical studies on Microbial Chitinase enzymes.* Ahmed Mohelden Abdel-Sammea. 2000.
- Biochemical studies on some medicinal plants. Abeer Yousry Ebraheem. 2001.
- Biochemical changes on fish in polluted water. By Nglaa Abdel Wahab Alsonosy. 2002.

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[9] MINOR RESEARCH PROJECTS

- I had completed four minor research projects funded by Research Centers, college of Agriculture (Since 1993 to 1999), KSU and also two from Research Centers, college of Science. (Since 2008 to 2010)
- I am principal investigator (PI) of the Research Projects under Implementation Grant No: RGP-VPP-130, KSU.

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[10] CONFERENCES ATTENDED

- 1- Two days Int. Advanced Mat. Tech. Conference, KACST, KSA, 3-4 Dec. 2012
- 2- One day workshop "Nanotechnology from concept to applications", 13th Nov. 2012, KACST, Riyadh, KSA
- 3- The Saudi International Nanotechnology Conference, 11-13 Nov. 2012, KACST, Riyadh, KSA
- 4- The 2nd KACST- Oxford petrochemical forum, 9-12 Sep. 2012
- 5- The Saudi international biotechnology conference, 18-19 Sep. 2012
- 6- Internal Medicine Scientific Conference was held on April 7-8 in the KSU College of Medicine.

- 7- Saudi International Agriculture Technologies Conference, Dec. 2012, KACST
- 8- Saudi International Advanced Technology Forum, Nov. 2012
- 9- *The Saudi International Biotechnology Conference, Sep. 2012, KACST*
- 10- 4th International Chemistry Conference, organized by the Saudi Chemical Society, Nov. 2011

I have attended many national and international conferences in Egypt, Kingdom of Saudi Arabia and other countries since 1977 until now.

[11] PUBLICATION LIST (Most recent)

- 1- **G. E. Eldesoky** & Mu. Naushad & Z. A. ALOthman & Md. Rabiul Awual & Mohammad Mezbaul Alam(2015). Adsorption kinetics, isotherms, and thermodynamic studies for the adsorption of Pb²⁺ and Hg²⁺ metal ions from aqueous medium using Ti(IV) iodovanadate cation exchanger/Accepted: 18 February 2015
- 2-**El-Desoky, G.E.**, Gaurav Sharma, M. Naushad,Deepak, P.,Alok,M.(2014) Modification of Hibiscus cannabinus fiber by graft copolymerization: application for dye removal. Desalination and Water Treatment.1-8. DOI:10.1080/19443994.2014.904822.
- 3-**Gaber E. El-Desoky**, Ali Mohammad, Asma Siddiq,(2013),Environmentally preferable solvents promoted resolution of multi-component mixtures of amino acids: an approach to perform green chromatography, **Journal of Analytical Science and Technology** ,**4** , 2-6.
- 4-**Gaber E. El-Desoky**, Asma Siddiq, Mohammad Omaish Ansari, Ali Mohammad, Faiz Mohammad.(2014) Synergistic Effect of Polyaniline Modified Silica Gel for Highly Efficient Separation of Non Resolvable Amino Acids, , **International Journal of Polymeric Materials and Biomaterials**, **63**,277-281.
- 5-**Gaber E. El-Desoky**, Ali Mohammad, Asma Siddiq, Abdul Moheman,(2014) .Ethyl Acetate-Propionic acid as green mobile phase system for selective separation for selective densitometric identification of maltose with preliminary separation on silica HPTLC plates, , **Journal of Planar Chromatography & Modern TLC**, **27** , 19-22.
- 6-**El-Desoky, G.E.**; A. Mohammad, Inamuddin, Arshi Amin, Mu Naushad (2013). Nicotinic acid adsorption thermodynamics study on carboxymethyl cellulose Ce(IV) molybdophosphate composite cation-exchanger. J Therm Anal Calorim **111**, **831-838**
- 7- **El-Desoky, G.E.**; A. Mohammad, Inamuddin, Arshi Amin, Mu. Naushad (2012) Forward ion-exchange kinetics of heavy metal ions on the surface of carboxymethyl cellulose Sn(IV) phosphate composite nano-rod-like cation exchanger, J Therm Anal Calorim **110**:715–723

8- El-Desoky, G.E.; Ali Mohammad¹, Abdul Moheman¹ (2012), Amino acid and vitamin determinations by TLC/HPTLC: review of the current state, Cent. Eur. J. Chem. (2012) DOI: 10.2478/s11532-012-0019-0.

9- El-Desoky, G. E Mohammad, R. Gupta, Nazrul Haq, Mu. Naushad (2011). Ethylene Glycol as New Mobile Phase for Resolution of Two-Component Mixture of Cationic Surfactants on Alumina Surface A. Journal of Dispersion Science and Technology 32, 1179-1184.

10-El-Desoky, G.E.; Ali Mohammad, Asma Siddiq, Abdul Moheman,(2014) , On-plate Identification of Amino Acids with preliminary Separation Using Green Solvents, Journal of Liquid Chromatography & Related Technologies ; 37,829-840.

11-El-Desoky, G.E.; A Mohammad, Asma Siddiq, A Moheman .(2013) Green analytical method for identification of amino acids, vitamins and sugars with preliminary separation on HPTLC plates, Ali Mohammad, Asma Siddiq, Abdul Moheman, Indian J. Chem. Tech 20 , 180-184.

12-El-Desoky, G.E.; Ali Mohammad, Asma Siddiq, and Abdul Moheman, (2013) Aqueous Urea Solution Promoted Resolution of Five- Component Mixture of Amino Acids on Silica TLC Plates. urnal of Dispersion Science and Technology, , 26,31-36.

13-El-Desoky, G.E.; Mohammed Abdelreheem, Abdulaziz AL-Othman, Zeid ALOthman, Mohamed Mahmoud and Kareem Yusuf (2012). Potential hepatoprotective effects of vitamin E and selenium on hepatotoxicity induced by Malathion in rat. African Journal of Pharmacy and Pharmacology, Vol. 6(11), pp. 806-813

14-El-Desoky, G.E.; Abdulaziz M. Al-Othman & Zeid A. Al-Othman & Mourad A. M. Aboul-Soud & Mohamed A. Habila & John P. Giesy, Lead in drinking water and human blood in Riyadh City, Saudi Arabia, Arab J. of Geosc. (2012)

15-El-Desoky, G.E.; Mourad A. M. Aboul-Soud and Khalid S. Al-Numair (2012). Antidiabetic and hypolipidemic effects of Ceylon cinnamon (*Cinnamomum verum*) in alloxan-diabetic rats. Journal of Medicinal Plants Research Vol. 6(9), pp. 1685-1691.

16-El-Desoky, G.E.; Abdulaziz M. Al-Othman , Zeid A. Al-Othman , , Mourad A. M. Aboul-Soud , Mohamed A. Habila and John P. Giesy.(2012). Daily intake of selenium and concentrations in blood of residents of Riyadh City, Saudi Arabia. Environ Geochem Health. DOI,10.1007/s10653-011-9448-5.

17-E. El-Desoky, G.E.; Abdulaziz M. Al-Othman¹, Zeid A. Al-Othman, ,Karim Yusuf and Mourad A. M. Aboul-Soud(2012). Ameliorative Effect of α -Tocopherol and Selenium on Effects of Malathion on Plasmatic Biochemical Indices and Lesions in the Liver of Rats. Current Pharmaceutical Analysis, 8, 214-218

18-El-Desoky, G.E.; Seikh M Alam; saikh wabaidur; Sang H Lee; Zeid A Alothman; Chemiluminescence determination of folic acid by a flow injection analysis assembly. Molecular and Biomolecular Spectroscopy (2012).

19-El-Desoky, G.E.; Mourad A. M. Aboul-Soud, Mohammed S. Foda, Tarik Kahil, Amira R. Asar, , Abdulaziz M. Al-Othman⁵, Zeid A. Al-Othman and John P. Giesy,(2011) Purification and biochemical characterization of alkaline protease from an Egyptian biopesticide-producing *Bacillus sphaericus* strain. *African Journal of Microbiology Research* Vol. 5(28), pp. 5076-5084.,

20-El-Desoky, G.E.; Mourad A. M. Aboul-Soud., Abdulaziz M. Al-Othman, Zeid A. Al-Othman, Kareem Yusuf, Javed Ahmad and Abdulaziz A. Al-Khedhairy, Hepatoprotective effects of vitamin E/selenium against malathion-induced injuries on the antioxidant status and apoptosis-related gene expression in rats *The Journal of Toxicological Sciences (J. Toxicol. Sci.)* 36 (2011) 285-296.

21-El-Desoky, G.E., Hamama,A.A., El-Saadany,S.S., and Afify, A.S.(1987). The influence of natural red colourant of food on glycolytic pathway in normal and diseased animals. *Annal of Agric. Sc. Moshtohor*, 25 (2) :921-933.

22-El-Desoky, G.E., Hamama,A.A., El-Saadany,S.S., and Shaban, O.A.A.(1987). Effect of natural red pigments on the oxidative pentose phosphate shant and energy metabolites in different organs of normal, hypercholestrolemic and hyperglycemic rats. *Annal of Agric. Sc. Moshtohor*, 25 (2): 907-930.

23-El-Desoky, G.E., Abdel-Rahim, E.A., Afify,A.S.and Ramadan,M.E. (1988). Biochemical changes of nucleic acids, proteins and nucleases in rats fed on certain ievels of sodium nitrite as food additives. *Minia J. Agric. Res. And Dev.* 10(2):643-661.

24-El-Desoky, G.E., Ahmed,F.A and Ramadan, M.E. (1987). Biochemical role of some natural and synthetic food colorants on liver function of rats. *Minia J. Agric. Res. and Dev.* 9(3):1117—1131.

25-El-Desoky, G.E., El-Saadany, S.S.,Ahmed,F.A.andRamadan,M.E. (1987). Carbohydrate and lipid changes in rats administrated certain synthetic and natural food colours. *Minia J. Agric. Res. and Dev.* 9(3):1101—1116.

26-El-Desoky, G.E., Abdel-Rahim, E.A.,Afify,A.S. and Shaban,O.A.A.(1989). Biochemical studies on the effect of sodium nitrite on hemoglobin fractions, cytochrome C-system and growth rate of albimo rats. *Annal of Agric. Sc. Moshtohor*, 27 (3):1667—1683.

27-El-Desoky, G.E. (1989). Metabolic studies concerning the effect of synthetic chocolate flavor and color in albino rats. *Mnoufiya J. Agric. Res.*, 14, 1315-1325.

28-El-Desoky, G.E.; El-Shagrawi, R.A. El-Sheayeb, I.E. (1997). Blood pressure distribution; a comparative study, Saudi vs non-Saudi university students. *Egypt. J. Nutrition*, XII (4).

29- El-Desoky, G.E., Farag, R.S.; Abu-Raiia, D.H.; and El-Baroty, G.S.A. (1991). Safety evaluation of thyme and cloce essential oils as natural antioxidants. *Afri. J. Agric. Sci.*, 18, 169-176.

30-**El-Desoky, G.E.**; Al-Numair, K.; Barber-Heidl, K.; Al-Assaf, A. (2007). Water pipes (shisha) smoking influences total antioxidant capacity and oxidative stress of healthy Saudi males. Food Agric. Environ., 5, 17-22.

31-**El-Desoky, G.E.**, salem, H.M., A.M.R. Afify and, (1992). Lead pollution and prevention of its effect. Proceedings of the 5th International Chemistry Conference in Africa, Jul. 27-31, Gaborone, pp: 195-195.