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**Personal information** :

**Name**: SoheirN.Abd El-Rahman

**Place of Birth**: Egypt
**Nationality**: Egyptian
**Marital Status**: Married
**Address**: University of Dammam
**Email**: skenawy@ud.edu.sa or soheirkenawy@yahoo.com

**Education:**

B.V.Sc.: (Bachelor of Agriculture - Biochemistry), Cairo University (1992).

M.Sc: (Master of Biochemistry) - Biochemistry Department. College - Agriculture Cairo Univ. (1996).

Ph.D.: Biochemistry Biochemistry Department. College - Agriculture Cairo Univ. (1996).

**Research interests and teaching**:

**Research interests**:

My interests include:

1- Chronic diseases, food technology and environmental biotechnology.

2- Specific focus is on natural resources for diabetic, cholesterolimia, fertility, oxidative stress and celiac diseases.

3- Also, working on the natural additives of food, environmental protection, nanoparticles and recycling wastes to use in different industries and purification (oils, drinking water and wastewater).

**Teaching:**

1- Biochemistry (chemistry and metabolism).

2- Advanced biochemistry.

3- General chemistry.

**Experience:**♣ research experience:
1- Chronic diseases (diabetic andcholesterolimia)

2- Food technology and environmental biotechnology.

3- Fertility, oxidative stress and celiac diseases.

4- natural additives of food.

5- nanoparticles and recycling wastes.

♣ Experience:

**\* projects**:

**1- Production of lithium aluminum silicate powder, silica xerogel, porous carbon and furfural from Saudi rice hull and rice hull ash.**

funded by:**King Faisal University 2009.**

**2- Blood F2-isoprostanes are significantly associated abnormalities of lipid status in human with fatty liver diseases.**

funded by**:University of Dammam 2010.**

**3- Synthesis of magnetite–silica nanocomposites from nature source and its application as adsorbents for removal of heavy metal from water in male rats.**

funded by**:University of Dammam 2012.**

**4- Synthesis and characterization of nano-zinc oxide and its application as protective oxidative changes in the retina and pancreas at the early stage of diabetic rats.**

funded by**:King Abdulaziz City for Science and Technology (KACST) 2012.**

**\* Books:**

1- Blood tests in the laboratory of biochemistry 2007.

 Dr. SidatSaad, Dr. Lailahemdan, Dr. Hessa Al- Modaffer and Dr. Soheir N. Abd El- Rahman

2- Basic of General Chemistry

 Prof. . Soheir N. Abd El- Rahman, Dr. Ahllam A. El-Arfag and prof. Shekha M. El- Ghanam 2009.

3- Basic ofBiochemistry

 Prof. . Soheir N. Abd El- Rahman 2010.

**\* Supervision of Theses:**

**1- MSc**

a- Studying the Effect of Plant Extracted Antioxidants in Oil Preservationb- Study the effect of diasognine and yamognine extracting from Balanitesaegyptiaca on fertility of rats.

**2- PhD**

Biochemical Studies of antioxidants and antioxidants’ nanoparticles on oxidative stress induced by using Cisplatin and Methotrexate in experimental rats.

**\* Arbitration research and Theses:**

1- Arbitration Theses (MSc and PhD).

2- Arbitration research in International Journal of Agricultural and Food Chemistry

3- Arbitration research in International Journal of Food Science and Technology

4- Arbitration research in Medicinal and Aromatic Plant Research Journal /MAPRJ/

5- Arbitration research projects.

6- Arbitration in the third Student Conference - University of Dammam.

7- Arbitration in the fourth Student Conference in the fourth - in Mecca.

**\* The Arbitration:**

♣Academic or administrative experience:

1- Teaching.

2- Member of the Deanship of Graduate Studies for Girls Colleges 2006 – 2007.

3- Member of the Committee on Graduate Studies, Department of Chemistry, Faculty of Science for Girls Dammam 2006 – 2010.

4- A member of Committee for chemicals - Department of Chemistry, Faculty of Science for Girls Dammam 2004 – 2008.

5- A member of the Monitoring Committee degrees of Examinations, Department of Chemistry, Faculty of Science for Girls Dammam 4004 – 2007.

6- Member of the Committee activity, Department of Chemistry, Faculty of Science for Girls Dammam 2004 - till Now.

7- Head of the Committee on Academic Advising, Department of Chemistry, Faculty of Science for Girls Dammam 2005 – 2006.

8- A member of the Committee for the functioning Examinations, Department of Chemistry, Faculty of Science for Girls Dammam 2007 – 2008.

9- Head of Committee for chemicals - Department of Chemistry, Faculty of Science for Girls Dammam 2008 till now.

10- Member of the Committee equations, Department of Chemistry, Faculty of Science for Girls Dammam 2008 – 2009.

11- Head of the Environment Committee, Department of Chemistry, Faculty of Science for Girls Dammam 2008 – 2009.

12- Head of the Committee equations - Specialization Biochemistry, Department of Chemistry, Faculty of Science for Girls Dammam 2010 – 2011.

13- Member of Quality, Department of Chemistry, Faculty of Science for Girls Dammam 2009 till now.
♣ Teaching Experience:

1- Biochemistry (chemistry and metabolism) (For Undergraduate students).

2- Advanced biochemistry(For Graduate students).

3- General chemistry (For Undergraduate students).

4- Research method (For Graduate students).

5- Readings in the field of specialization (Biochemistry) (For Graduate students).

6- Supervision of the labs (Biochemistry - General Chemistry - Analytical chemistry - organic chemistry).

 **Scientific Publishing arbitrator** :

1- Soheir N. Abd El-Rahman, Saad A. Mahagoub, Walid M. Shehata and Afaf A. A. Shaaban 2016. Preventive effect of black rice ethanolic extract as natural antioxidants on some heavy metals induced disorders in experimental animal. International Journal of Food, Nutrition and Public Health.

2- Soheir N. Abd El-Rahman1 and Suhailah S. Al-Jameel 2014. Quercetin nanoparticles: preparation and characterization. Indiian Journal of Drugs.

3- Soheir N. Abd El-Rahman1 and Suhailah S. Al-Jameel 2014. Efficacy of nanocurcumin in F-2 isoprostanes in male rats treated with Cisplatin and Methotrexate as chemotherapy drugs. International Journal of Sudan Research, Vol. 4 No. 2, 157-179

4- Soheir N. Abd El-Rahman1 and Suhailah S. Al-Jameel 2014. Protection of Curcumin and Curcumin Nanoparticles against Cisplatin Induced Nephrotoxicity in Male Rats. *Sch. Acad. J. Biosci.,* 2014; 2(3): 214-223.

5- Abd El-Rahman N. Soheir and Al-Ahmary S. Haya 2013. Effect of sapogenin extract on anti-infertility induced by aluminium chloride in male rats. *Advancement in Medicinal Plant Research* Vol. 1(4), pp. 77-85*.*

6- Soheir N. Abd El-Rahman, Haya S. Al-ahmari 2013. Evaluation of fertility potential of balanitesaegyptiacasapogenin extract in male rats. International Journal of Sudan Research Vol. 3(1): 15-33.

7- SoheirAbd El-Rahman, Sheikha Al-Ghannam, Dalia Al-Sheikh. Production gluten-free Marie biscuits from white and brown rice for celiac disease. International Journal of Food Research, 2011.

8- Shalan, M., Al- Bltagy, H., Mona, M., Amira, T. MohammedSoheir, N. Abd El-Rahman. Effect of amylose content and pre-germinated brown rice on serum blood glucose and lipids in experimental animal. Australian Journal of Basic and Applied Sciences, 4(2): 114-121, 2010.

9- SoheirAbd El-Rahman and Sandk, R. N. Natural antioxidant activity of rice hull and black rice hull extracts on sunflower oil. Journal of Food and Dairy Sciences, 1(5): 329-335, 2010.

10-Soheir Abd El-Rahman and Sara Al-Mulhem. Effect of natural antioxidant extract of date, date seeds and palm shell on chemical characterized of sunflower oil. Egypt.Jof.Appl.Sci; 2010.

11-Soheir, N. Abd El-Rahmanand Shehata,W.M. Chemical evaluation of black rice compared with white and brown rice. Journal of Food and Dairy Sciences, 1(4): 143-149, 2010.

12-Soheir,N.Abd El-Rahman; Nadia H. A.Assem and Somaya,M.Morsy. Effect of aqueous*Balanitiesaegyptiaca*extract and *Balanitiesaegyptiaca* Marie biscuits on diabetic rats. Egypt.J of.Appl.Sci;23(6): 163 – 174, 2008.

13- Soheir, N. Abd El-Rahman, Amira, T. Mohammed. Biological evaluation of couscous produced from rice. Journal of Biological Chemistry & Environmental Sciences, 4(3): 849-858, 2009.

14-Soheir, N. Abd El. Rahman ; Amal, M. H. Abdel-Haleem and Hessa, M. AL Mudhaffar. Anti-diabetic effect of cinnamon powder and cinnamon aqueous extract on serum glucose of rats. International Journal of Food, Nutrition and Public Health, Vol. 3, No. 2: 183-197, 2010.

15-Soheir,N.abd El-Rahman.Evaluation of same quality parameter of cake made of wheat, rice or corn flour and their mixtures. Egyptian Journal of Applied Sciences, 25(1): 1-11, 2010.

16- Soheir,N.abd El-Rahman. Extraction and separation of γ-oryzanol from rice bran oil by HPLC and studying its effect on rats fed a high-cholesterol diet. International Journal of Food, Nutrition and Public Health, Vol. 3, No. 2: 119-132, 2010.

17- Soheir N. Abd El-Rahman. Effect of extruded rice bran and brown rice on diabetic rats. Egypt.Agric.Res.,82(3):151-160 (2004).

18- Ibrahim,M.M. and Soheir, N.Abd El-Rahman. Chemical, Microbiological and Nutritional Evaluation of Kofta containing Rice Bran and Sorghum.Egypt. J.Appl.Sci;19(2):225-224 (2004).

19- Abd El-Rahman,Soheir,N.;El-Hofi,Amal A. and Seleem,Henar A. Bioavailability of different non extruded and extruded cereal brans. Egyptian J.of Nutrition; Vol xix (2):1-28 2004).

20- Amal, A. El-Hofi; Henar, A. Seleem and Soheir, N. Abd El-Rahman. Quality of cookies as affected by dough mixing time,corn meal addition and microwave heating after conventional baking. Egypt.J.Agric.Res.,82(2):763-779 (2004).

21-Soheir,N.Abd El-Rahman; Tawil, A.R. and Henar,A.Seleem. Performance of brown and white rice in making gluten free bread. Food Quality 2003. Healthy food for my son 3rd international conference and exhibition for food industries quality control, Alex,June,P: 783-796 (2003).

22-El-Hissewy,A.A.;Laila,F.Rizk and Soheir,N.Abd El-Rahman. A study on the effect of storage period and storage bags on the chemical composition of rice grains of some Egyptian rice varieties. Egypt. J.Agric.Res.80(4):1645-1654 (2002).

23- Soheir, N. Abd El-Rahman; Somaya, M. Morsy and Shehata, W.M. Effect of rice bran extract as antioxidant on keeping quality of cake during storage. Food Quality 2002. Healthy food for my son 2rd international conference and exhibition for food industries quality control.Alex. 11-13 June, P 79-93 (2002).

24- Laila, F. Rizk and Soheir, N. Abd El-Rahman. Preparation and evaluation of Silica gel produced from rice hull. Food Quality 2002.Healthy food for my son 4rd international conference and exhibition for food industries quality control.Alex. 11-13 June, P 69-78 (2002).

25- El-Hissewy, A.A.; Laila, F. Rizk and Soheir, N. Abd El-Rahman. Effect of some storage conditions on cooking and eating quality of rice grains. Food Quality 2002.Healthy food for myson 4rd international conference and exhibition for food industries quality control, Alex. 11-13 June, P:94-105 (2002).

26- Soheir, N.abd El-Rahman; Somaya, M. Morsy and El-Hadidy, E.M. Effect of extrusion on rice bran antioxidants compared with synthetic antioxidants. Minia Journal of Agricultural Research and Development.vol.22(2):1319-1325.The proceedings of Minia 1st conference for Agricultural and Environmental Sciences (MCAES 1st ),March 25-28 (2002).

**Memberships academic or professional associations**:
 **Skills**:

Computer Skills: she has skills in computer programs as office, word 96- 2010 for window- Microsoft excel, outlock-power point- SAS --Slid write- graph pad for statistics- Internet and **ICDL** (2008).

♦ Laboratory experiences during M.V.Sc, PhD and research projects as different assays techniques in the lab –Products preparation and extraction experiences for lab. Animals, etc

♦ Faculty members helping to guide development of the, teaching and

MSc, Ph.D. research ofDepartment of Chemistry, Faculty of Science for Girls Dammam- Univ. of Dammam.

**languages ​:** Arabic - English

♦ English background: study in American University about 8 levels, Got TOEFL (2009).

**Training:**
1- Training in the IT field crops 1997 and 2000.

2- Training in the new field of vegetable oils 1998.

3- Training in the field of engineering, manufacturing and packaging 1999.

4- Training in the new field of special food and nutrition 1999 and 2000.

5- Training in the field of new production quality 1999.

6- Training in the field of Manufacturing Engineering 1999.

7- Training in the field of new technology in the Horticultural Crops 2000.

8- Training in operation and maintenance of scientific equipment 2000.

9- Training in operation and maintenance of laboratory equipment for the analysis of chromatographic 2001.

10- Training in operation and maintenance of laboratory equipment for the flour 2001.

11- Training course on food control in Singapore 2001.

12- Introduction to sensory analysis 2003.

**\* Lectures and seminars:**

1- Subscribe to a lecture entitled "preservatives and food to save their relationship," International Forum atheist Sixty to develop packaging (20-21/1/2002)

2- Lecture entitled "health requirements in the field of food production and healthy practices" in the field of hygiene in food factories for workers at the Institute of Food Technology Research (13/ 10/ 2003).

3- Lecture entitled "Rules of health tests" for trainees at the Institute of Food Technology Research (21/ 4/ 2004).

4- Lecture entitled "benefit from hit the rice wastes" (4/ 9/ 2004).

5- Organize and attend a seminar entitled "The beauty in your hands" (2006).

6- Organize and attend a seminar entitled "Bird Flu" (2006).

7- Participate in the publish a magazine Department of Chemistry (2005-2006).

8- Preparation and training course on how to write a scientific research for the students of the fifth Student Conference, Faculty of Science - University of Dammam (26/ 9 and 24/ 10/ 2013).

**Community service**:

1- The preparation of the scientific article for students from the faculties of agriculture and trainees from the different regions constantly.

2- Supervision of the monthly cultural publication and participation "the horizon Bulletin" issued by the Department of Chemistry, Faculty of Science for Girls Dammam (2005-2006).

3- Participation in the activation of the attendees of World Environment Day (2005-2006).

4- Preparation of a program for talented students "for schoolgirls intermediate stage" (2005-2006).

5- Participation in the cycle Make yourself organized by the Department of Chemistry (2004-2007). This course aims to teach students how to use the chemistry in the manufacture of detergents, pesticides, shampoos and perfumes …etc.

6- Participation in the course of medical tests organized by the Department of Chemistry (2006-2008).This course aims to teach the students how to take a blood sample and conduct all medical analysis laboratory.