

Professional:

Sep.97-April.98 Intensive German language Course, at Kreuzberg Institute-Bonn.

Fellowship:

Sep.97-Oct.2001 Katholische Akademische Auslander Dienst (KAAD)-Bonn,Germany.

Publications:

1- Ahmed H. AL-Mustafa. *In Vitro* Study involving the Comparative Effect of Heavy Metal Ions on Antioxidant Enzymes Activity and Lipid Peroxide levels in Human Erythrocytes. *Journal of Biological Sciences* 9(14) 2006

2-Khaled M. Khleifat, Muayad M. Abboud and Ahmed H. Al-Mustafa (2006).Effect of *Vitreoscilla* hemoglobin gene (*vgb*) and metabolic inhibitors on cadmium uptake by the heterologous host *Enterobacter aerogenes* • *Process Biochemistry.* 41, 930-934

3 - Ahmed H. Al-Mustafa, Helmut Sies and Wilhelm Stahl. Sulfur-to-nitrogen transnitrosation : transfer of nitric oxide from nitroso compounds to diethanolamine and the role of intermediate sulfur-to-sulfur transnitrosation. ***Toxicology*, 2001,163,127-136.**

4-Lamya Al-Diwany, Khaled Tarawneh, and Ahmed H. Al-Mustafa. Detection of glutathione S-transferase in moderate halophilic bacteria from Al-Ghuir Agricultural station in Karak Governorate (South Jordan). *Mu,tah Lil-Buhuth wad-Dirasat.*1998.13,99-11.

5. Khleifat KM, Abboud MM, **Al-Mustafa AH**, Al-Sharafa KY. Effects of carbon source and *Vitreoscilla* hemoglobin (VHb) on the production of beta-galactosidase. *Curr Microbiol.* 2006 Oct;53(4):277-81.

6. Khleifat KM, **Al-Mustafa AH.** Effect of Some nitrosative agents on the growth of *vgb*-bearing *Enterobacter aerogenes* strains. *Curr Microbiol.* 2007 Jul;55(1):30-5. 2007 May 28.

7. Muayad M. Abboud, Khaled M. Khleifat, Mufeed Batarseh, Khaled A. Tarawneh, **Ahmed Al-Mustafa** and Maali Al-Madadhah .Different optimization conditions required for enhancing the biodegradation of linear alkylbenzosulfonate and sodium dodecyl sulfate surfactants by novel consortium of *Acinetobacter calcoaceticus* and *Pantoea agglomerans*. *Enzyme and Microbial Technology*, Volume 41, Issue 4, 3 September 2007, Pages 432-439

8. Al-Mustafa A. and Al-Thunibat. O. Antioxidant Activity of Some Jordanian Medicinal Plants Used Traditionally For Treatment of Diabetes Supported By Traditional Healers. *Pakistan Journal of Biological Sciences* 11(3) 2008

9. Tarawneh, K.A; Sharaf Omar, Osama Twissi, Khleifat,KM; **Ahmed Al-Mustafa** and Khaled Al-Sharafa (2008). Antifungal and antioxidant effects of

extracts of some medicinal plant species growing in south Jordan. Bull. Fac. Agric., Cairo Univ.,59 (2008): 242-249

10. Abboud M. M; Khleifat KM; Tarawneh KA; **Al-Mustafa AH**; ; Elshafei Badawi M (2008). Effects of Free Amino acids on Catechol Oxidase From Different Plant Sources. Advances in Food Sciences Journal, 30 (1).1-8

11. Tarawneh, K; et al (**Al-Mustafa AH**)(2008). Evaluation of Cefaclor Oral Suspensions Stability by Using Reversed phase High Performance Liquid Chromatography and Antimicrobial Diffusion Methods (Accepted in Process Biochemistry).

12. Tarawneh, K, Khleifat, KM; **Ahmed Al-Mustafa**, Nadia Alioui, Mohammad A. Wedyan and Stephen J. Free (2008). Temporal Expression of Neurospora crassa Tyrosinase Gene Under The Control of Glucose –Repressible Gene-1(Grg-1) Promoter. Aust. J. Basic Appl. Sci.. 2 (3) In Press

Research Projects:

1. Research project. Antioxidant enzymes and trace elements level in erythrocytes of Down syndrome patients in Al-karak govern ate. Grant No 120/14/756. Research deans/ Mutah University. **2005**

Research Team: Dr. Ahmed Hussein ababneh and Dr. Khaled khleifat

2. plants antioxidant effects and biochemical alteration in induced diabetic rats. Grant No 120/14/430. Research deans/ Mutah University. **2007**

Research Team: Dr. Ahmed Hussein ababneh

Other activities:

1. Advisor and co-advisor of many of graduate students.
2. Membership in several educational and research committees.

Major research interest

1. Vitamins & Minerals for children with Down's syndrome
2. Oxidative Stress in Diabetic: A new Antioxidant Strategy to inhibit Cell Damage
3. antioxidant and antibacterial –Bioactive compounds from natural resources.
4. antioxidant enzymes and reactive oxygen species