**Curriculum Vitae**

**Personal details:**

Name: Dr. Adel Kamal Khider. (Professor).

Date of birth: 1-July 1951

Home address: No. 57 Zanco Village, Zanco Street, Erbil, Iraq.

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PhD. In Microbiology, Bacteriology, Biology Department, College of

Education, Salahaddin University, Erbil Iraq, 2002.

**Experience**

**-** 2012 to date Professor in Microbiology Department of Biology, College of Education, University of Salahaddin, Erbil, Iraq.

**-**1993 to 2012 Assistant Professor of Microbiology, Department of Biology, College of Education, University of Salahaddin, Erbil, Iraq.

**-** 2009 to date Chairman of the Curriculum Development in the College of Education.

**-** Chairman of the committee for training and follow up the teachers and the implementation of the developed course of academic debate, and how to get feedback from the teachers of AD.

**-** Committee member of Curriculum Development in Salahaddin University.

**-**1996 to date supervising twenty six M.Sc. students and ten Ph.D. student in Microbiology Department, College of Education University of Salahaddin , College of Agriculture University Sulaymani, and College of Science University of Sulaymani, Sulaymani, Iraq.

**-**1981-1983 Assistant lecturer, Technical Institute in Kufa, Iraq.

**-**1982-1983 Assistant of Dean, Kufa Technical Institute, Iraq.

**-**1988-1993 Assistant of Biology Head Department, and Biology Head Department, College of Education, University of Salahaddin, Erbil, Iraq.

**-**1993-1996 Assistant of Dean, College of Education, University of Salahaddin, Erbil, Iraq.

**-** Since 1982 I have taught Lectures to undergraduate and postgraduate students in general microbiology, Bacteriology, Academic debate, virology, soil microbiology, Topics in Biology, Bacterial Techniques.

**Publications**

1. Expression of Genetically Engineered BL21(DE3) with the Staphylokinase gene from *Staphylicoccus aureus*. Accepted for publication in Scientific Journal of College of Science, Kufa University, Iraq.
2. Detection of Methicillin Resistance, staphylokinase activity and Biofilm formation in S. aureus Isolated from Clinical Samples. Accepted for publication in Zanco Journal, Salahaddin University, Iraq.
3. Genetic site Determination of antibiotic Resistance genes in E. coli isolated from Different Sources of Human Infection. Medical Journal of Islamic World Academy of Sciences 21:2, 61-68, 2013.

4- Antibacterial potency of Some Medicinal Plant Extracts on Inhibiting Antibiotic Resistance property of Escherichia coli. Middle East Journal of Internal Medicine Volume 6 Issu 4, July 2013.

5- POTENTIAL OF AQUEOUS EXTRACTS OF *Allium sativum, Mentha spicata, Myrtus communis* AND *Thymus vulgaris* AS ANTIMICROBIALS AND CURING OF ANTIBIOTIC RESISTANT GENES IN *Klebsiella pneumoniae.* Journal of Academia Vol 2, pp 16-26, 2012.

6- *Potential of Aqueous Extracts of Allium Sativum, MenthaSpicata, MyrtusCommunis and Thymus Vulgaris as Antimicrobials and Curing of Antibiotic Resistant Genes in Klebsiella Pneumoniae"*. Journal of Academia, Vol. 1 2012.

7- Atmospheric Movement of Bacteria and Fungi in Clouds of Dust in Erbil City, Iraq. 2012. Research Journal of Environmental and Earth Sciences. Vol. 4 number 3, 303-307

8- An Outbreak of Lactose Fermenter Multidrug Resistant *Salmonella entericaserova typhi*in Sulaymani City, Iraq**.** Asian Journal of Medical Sciences 4(1): 37-41, 2012.

9- Potential of aqueous extracts of *Allium sativum, Menthaspicata, Myrtuscommunis and Thymus vulgaris* as antimicrobials and curing of antibiotic resistant genes in *Klebsiellapneumoniae*. First International Conference on Applied Science, Mathmatics and Humanities, University Teknologi MARA (UITM), Sembilan, Benting, 14-15 November, 2011.

10- Synthesis and Antimicrobial Activity of 3-(4-(4-chlorobenzyloxy)phenyl)-1-phenyl-5-(2-chlorophenyl) Pyrazoline (3) on *E. coli* in Mice, Asian Journal of Medical Sciences 3(4): 158-163, 2011, ISSN: 2040-877, © Maxwell Scientific Organization, 2011.

11- Chromosomal *nif* Genes Transfer by Conjugation in Nitrogen Fixing *Azotobacterchroococcum* to Lactobacillus planetarium. Current Research Journal of Biological Sciences 3(2): 155-164, 201,ISSN: 2041-0778, © Maxwell Scientific Organization, 2011.

12- In vivo Antimicrobial Activity of 1(4-(4-chlorobenzyloxy)phenyl)-3-(4-methyl Phenyl)-2-propen-1-ones (Chalcone 2) Against *klebsiellapneumon* Isolated from Pneumonia Patients. British Journal of Pharmacology and Toxicology 2(2): 92-96, 20,1 ISSN: 2044-24, © Maxwell Scientific Organization, 2011.

13 Activity of *Plantago lanceolata* Extracts Against Methecillin Resistance *Staphylococcus aureus In Vitro* and *In Vivo.* The 4th International Conference on Emergency Management: Technology, Application and Practice, Transaction on Emergency Managemen, Vol. 5, No. 5, 2010.

14- Genetic Site Determination of Antibiotic Resistance Genes in *Pseudomonas aeruginosa* by Genetic Transformation. British Journal of Pharmacology and Toxicology 1(2): 85-89, 201, ISSN: 2044-2467,© Maxwell Scientific Organization, 2010.

15- Potential of Aqueous and Alcohol Extracts *Quercusinfectoria,Linusm of usitatissium and Cinnamomumzeylanicium* as Antimicrobials and Curing of Antibiotic Resistance in *E. coli*, Current Research Journal of Biological Sciences 2(5): 333-337, 2010, ISSN: 2041-077, © Maxwell Scientific Organization, 2010.

16- In vitro and In vivo Effect of Both Aqueous and Alcoholic Extracts of *Quercusinfectoria*Against Antibiotic resistance of *Pseudomonas aeruginosa*, Zanco (Scientific Journal of Salahaddin University) ٍ, Volume 21, Number 1, 2009.

17- An outbreak of lactose fermenter multidrug resistant *Salmonella typhi* in Sulaymani city, Iraq. Un published (Under the process of publishing)

18- In *Vitro* and *Vivo* effects of green tea extract toward antibiotic resistance of *Staphylococcus aureus.*Scientific Journal of Duhok University, ٍVolume 11, Number 2, 2008.

19- Effect of *Allium sativum*and*Myrtuscommunis* on the elimination of antibiotic resistance and swarming of *Proteus mirabilis*. Jordan Journal of Biological Sciences, 1, No. 3, 124 – 128, ISSN 1995-6673, September 2008.

20- Effect of *Thymus serpyllum*And*Menthaspicata* Extract and Some Chemical Materials on Multidrug Resistant Proteus mirabilis, 4th International Conferences on Biological Science, Tanta University, Egypt, 27-29 September, 2006.

21- Differential accumulation of Phytoalexin in shoot system of eggplant inoculated with Fungi F. solani, F. semitextum and different concentrations of nitrogen. Journal of the college of Education, Al-Mustansiriyah University, Vol.1, 1999.

22- Interaction effect of some fungi, bacteria, unsalable forms of phosphorus and sulfur on pH and soluble phosphorus in the soil. Zanco, Vol.10, No.2, 1998.

23- Effect of Benlate on respiration rate and N2-Fixation by strains of Rhizobium. Zanco, Vol.4, No. 3. 1991.

24- Effect of light on nodulation by bacteria *R. leguminosarium*. Zanco, Vol. 3, No. 4, 1990.

25- Single cell protein from sharsh and dibes using Yeast *Rhodotorula glutting*. Zanco a Scientific Journal of Salahaddin University. Vol.1 no.1- 1988.

26- Determination of total nitrogen for Kjeldahl acid digest [using selenium of titanium (IV) oxide (anatase) with copper (II) sulphate] in tobacco leaves by molecular emission cavity analysis. J. Univ. Kuwait (Sci) 16, 1989.

27- Effect of temperature and CaCo3 on survival and growth of bacteria *R. leguminosarum*.Zanco-Vol. 4, No. 4, 1986.

28- Respiration of N2-Fixation studies of different strains of bacteria *Rhizobium spp.*Zanco a Scientific Journal of Salahaddin University. Vol.7 no.3- 1981.

**Membership of professional Bodies**

1981 to date member of Iraqi Society of Microbiology and Kurdistan Society of Biology.

**Coferences and Workshops**

I have been member conferences inside and outside Iraq, i.e.

1- First international conference of Microbiology, Baghdad, 1981.

2- First, Second and third international conference of Salahaddin University Erbil 1984.

3- 4th international conference in Biological Science, University of Tanta, Egypt, 2006.

4- 4th international Conference in Emergence management, Beijing, China. October, 2010

5- First International Conference on Applied Science, Mathematics and Humanities, University Technology MARA (UTM), Sembilan, Malaysia,

6- International Conference (Genetic Days). September 18-20, 2012 Wroklaw, Poland.

7- 1st international Scientific Conference, University of Zakho, April, 2013.

8- Trainer in in Academic Debate and Critical thinking Workshop at Salahaddin University in 20-21/12/2015.

9- Revesion of the Course Academic Debate for first year students. Appalachian State University, United State of America, October 25-31, 2015.