

## *Curriculum Vita*

**Name** : Fadhil Ajab Al- Baidani .

**Scientific Title** : Assistant professor.

**Sex** : Male .

**Marital Status** : Married .

**Languages** : Arabic ( Mother Core ) , English ( Fluent ) .

**Address** : Department of Mathematics, College of Science, ( Saddam University , former ),  
Al –Nahrain University .

**General Subject** : Mathematics .

**Specific Subject** : Operations Research ( Reliability Theory ) .

**Qualifications** : Diploma of Education , Institute of Higher Education, Iraq, 1969.

**B.S.c.** College of science University of Al- Mustansiryah, Iraq , 1977 .

**M.S.c.** College of science Baghdad University, Iraq, 1979 .

**Ph. D.** , College of science University of St . Andrews, U.K., 1990 .

### **Published Papers**

- 1- Expectation of the square root of an orthosymmetric determinant, Math. Operations Forsch. Statist., Ser Statistics., Vol. 12 ( 1981 ) , No.4, 609 – 612.
- 2- Comparison of methods of estimation of parameters of the Weibull distribution, Communication in Statistics Simulation and Computation, Vol.16, No. 2, 373- 384, 1986.
- 3- Parametrizing the three parameter Weibull distribution, Ph, D. Thesis, University of St. Andrewes, 1990, 1986.
- 4- System reliability evaluation for n – critical components ( to be published ) .
- 5- Reliability of ceramics, Accepted in the Journal of Education, College of Education, Al- Mustansiryah University, 1996.
- 6- Estimation of the two parameters of the beta distribution, Journal of College of Education, Al- Mustansiryah University, No.2, 1- 7, 2000.
- 7- The use of the generalized Weibull distribution in the reliability theory and its parameters estimation, Accepted in the Journal of Education, College of Education, Al- Mustansiryah University, 1996.
- 8- Calculation of gamma function for negative values, 9<sup>th</sup> Scientific Conference of Education , College of Education, Mustansiryah University, 1996.
- 9- Least square estimation of three parameter of the Weibull distribution, 11<sup>th</sup> Scientific

Conference Education, College of Education, Mustansiriyah University, 1996.

10- Minimal sets measure in reliability, ( to be published in the journal fo Education, College of Education, Mustansiriyah University ) .

11- A new method for solving redundancy optimization problem, (to be published in the journal of Education, College of Education, Mustansiriyah University ) .

**Supervision :**

1. The use of generalized Weibull distribution in the reliability theory and its parameters estimation, University of Al- Mustansiriyah, 1996 M. Sc.
2. Point and interval estimation for a two parameter generalized Weibull distribution using linear regression, University of Al- Mustansiriyah, 1997 M. Sc.
3. Robust estimation of the three parameter generalized Weibull distribution, University of Al- Mustansiriyah, 1999 M. Sc .
4. On analysis of component reliability for predicting system reliability, University of Al- Mustansiriyah, 1997 M. Sc
5. Reliability models for maintained and no – maintained system.
6. Weibull distribution model for software reliability, University of Al – Nahrain, 2003, M.Sc.
7. Optimization approach for reliability allocation, University of Al – Nahrain, 2003, M.Sc.
8. Karmarkar’s method for non – linear programming problems, University of Al – Nahrain, 2001, M.Sc.
9. Some optimization techniques for system reliability, University of Al – Nahrain, 2002, M.Sc.
10. A criticality concept reliability theory, University of Al – Mustansiriyah, 2000, M.Sc.
11. Optimization on multiple objective, University of Al – Nahrain, 2001, M.Sc.
12. Maximum likelihood estimation of regression coefficients related to extreme value distribution, University of Al – Nahrain, 2001, M.Sc.

### **Memberships**

1. Member of Iraqi society of physics and mathematics .
2. Member of Iraqi society of operation research .