



Dr. Bassam Younis Ibrahim Ahmed

ASSOCIATE PROFESSOR
 Head of Applied Statistics Dept.
 College of Science, Sudan University of Science & Technology



PERSONAL PROFILE	<ul style="list-style-type: none"> • Nationality: Iraqi • Date and Place of Birth: 1966, Mosul, IRAQ • Marital Status: Married • Religion: Muslim • Contact Information: Mob.: 00249-918287211 • E-mail: drbassam2008@gmail.com
EDUCATION	<ul style="list-style-type: none"> • Ph.D, Statistics (Stochastic Processes), Excellent, Mosul University, IRAQ, 1995 • M.Sc, Statistics (Stochastic Processes), V. Good, Mosul University, IRAQ, 1991 • B.Sc, Statistics, V. Good (First) Mosul University, IRAQ, 1987
RESEARCH INTERESTS	<ul style="list-style-type: none"> • Operations Research • Econometrics • Stochastic Processes • Medical Statistics • Time Series Analysis
TEACHING INTERESTS	<ul style="list-style-type: none"> • Stochastic Processes • Information Theory & Coding • Applied Statistics • Time Series Analysis • Linear & Non-Linear Models • Multivariate Analysis
ACADEMIC EXPERIENCE	<ul style="list-style-type: none"> • <u>Supervision of Postgraduates Studies:</u> <ol style="list-style-type: none"> 1. Supervised the research of 34 Ph.D students. 2. Supervised the research of 55 M.Sc students. 3. Supervised the research of 5 H. Diploma students. 4. External Examiner for 9 Ph.D and 17 M.Sc students. 5. Internal Examiner for 16 Ph.D, 46 M.Sc and 15 H. Diploma students. • <u>Teaching for Postgraduates Studies:</u> <ol style="list-style-type: none"> 1. Information Theory & Coding, for M.Sc students in Computer & Telecommunications Engineering. 2. Probability Theory & Stochastic Processes, for M.Sc students in Computer & Telecommunications Engineering. 3. Experimental Design, for M.Sc students in Foods Engineering. 4. Statistics, for M.Sc students in Medical Laboratories. 5. Mathematical Modeling, for M.Sc students in Demography & Information Technology. 6. Stochastic Processes, for M.Sc students in Statistics & Econometrics. 7. Linear & Non-Linear Models, for M.Sc students in Statistics. 8. Statistical Inference, for M.Sc students in Statistics. 9. Time Series Analysis, for M.Sc students in Statistics & Econometrics. 10. Multivariate Analysis, for M.Sc students in Statistics. 11. Econometrics, for M.Sc students in Statistics. 12. Statistical Packages, for M.Sc students in Econometrics. 13. Statistics, for M.Sc students in Physical Education & Sports. 14. Statistical Methods, for M.Sc students in Mathematical Sciences. 15. Operation Research, for M.Sc students in Statistics. 16. Data Analysis, for High Diploma students in Computer Science. 17. Regression Analysis, for High Diploma students in Statistics. 18. Statistical Methods, for High Diploma students in Mathematics. 19. Econometrics, for M.Sc High Diploma in Statistics. 20. Quantitative Methods, for Students of Fellowship Arab Studies Accounting.

	<ul style="list-style-type: none"> • <u>Teaching for Under-Postgraduates Studies:</u> <ol style="list-style-type: none"> 1. Stochastic Processes for Statistics Dept. 2. Time Series Analysis for Statistics Dept. 3. Experimental Design for Statistics Dept. 4. Multivariate Analysis for Statistics Dept. 5. Econometrics for Statistics Dept. 6. Biostatistics for Statistics Dept. 7. Mathematical Statistical for Statistics Dept. 8. Demography for Statistics Dept. 9. Decision Theory for Statistics Dept. 10. Statistics for Chemistry Dept. 11. Operation Research for Mathematics Dept. 12. Biostatistics for College of Medical Laboratory Science. 13. Numerical Analysis for Statistics Dept. 14. Statistical Inference for Statistics Dept. 15. Stochastic Processes for Mathematical Sciences College. 16. Introduction Computers for Business Management Dept. 17. Decision Theory for Computer Sciences Dept.
PROFESSIONAL EMPLOYMENT	<ul style="list-style-type: none"> • 1999–Present, Associate Professor, Applied Statistics Dept., College of Science, Sudan University of Science & Technology, Khartoum, SUDAN. • 1997–1999, Assistant Professor, Dept. of Mathematics, College of Science, Sebha University, Sebha, LIBYA. • 1990-1997, Lecturer, Dept. of Statistics, College of Economics and Business Administration, Mosul University, Mosul, IRAQ.
WORK PLACES	<ul style="list-style-type: none"> • 1999-Present, College of Sciences, Sudan University of Science & Technology, Khartoum, SUDAN. • 1999-2006, National Centre for Accounting Studies, Ministry of Finance, Khartoum, Sudan. • 2005-Present, Center For Engineering and Technical Studies (CETS), Khartoum, SUDAN. • 2005-2006, College of Computers, National Ribat University, Ministry of Interior, Khartoum, SUDAN. • 2002-Present, College of Economics & Social Studies, Khartoum University, Khartoum, SUDAN. • 2000-Present, College of Mathematical Sciences, Khartoum University, Khartoum SUDAN. • 2003-2006, College of Mathematical Sciences, Gezira University, Khartoum, SUDAN. • 2004, College of Computers, AL-Neelain University, Khartoum, SUDAN. • 1999-2002, College of Mathematical Sciences, AL-Neelain University, Khartoum, SUDAN. • 1999-2002, College of Statistical and Demographic Studies and Technical Information, AL-Neelain University, Khartoum, SUDAN. • 1997-1999, College of Sciences, Sebha University, Sebha, LIBYA. • 1990-1997, College of Economics & Business Administration, Mosul University, Mosul, IRAQ.
PUBLICATIONS	<ul style="list-style-type: none"> • <u>Books:</u> <ol style="list-style-type: none"> 1. 2008, Demography, Sudan University of Science & Technology (under printing). 2. 2005, Statistics, Sudan University of Science & Technology. 3. 2005, Elementary of Statistics, Sudan University of Science & Technology. 4. 2000, Econometrics, Sudan University of Science & Technology.
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• **Research Papers:**

1. 2008, "Breast Feeding Indicators in Sudan: A case Study of Wad Medani Town", Sudanese Journal of Public Health, April 2008, Vol.3 (2), Gezira University, SUDAN.
2. 2008, "Application of Goal Programming Model on Assets and Liabilities Management at Commercial Banks", To appear in Arab Journal of Administrative Sciences, University of Kuwait, KUWAIT.
3. 2007, "Students Satisfaction about Sport Activities", National Students Welfare Fund, Khartoum, SUDAN.
4. 2006, "Finding the Best Transport of the Sugar Policy in the Sudan Using Linear Programming", Sudan Journal of Basic Sciences, Mathematical Sciences Series, Vol.4, Sudan Institute for Natural Sciences, Khartoum, SUDAN.
5. 2004, "Mean of Extinction Time for Two-Type Branching Process in Heavy Traffic Case", Journal of Science & Technology, Vol.5(2), Sudan University of Science & Technology, Khartoum, Sudan.
6. 2004, "Lack of Fit Test in Repeated Measurements", Journal of Science & Technology, Vol.5(2), Sudan University of Science & Technology, Khartoum, SUDAN.
7. 2004, "Temperature Prediction at Khartoum State using Box-Jenkins Time Series Models", Journal of Science & Technology, Vol.5(2), Sudan University of Science & Technology, Khartoum, SUDAN.
8. 2003, "Heavy Traffic Approximations for Branching Process in Random Environment", Sudan Journal of Basic Sciences, Mathematical Sciences Series, Vol.3, Sudan Institute for Natural Sciences, Khartoum, SUDAN.
9. 2003, "Multiple Linear Regression Approach To Analysis of Variance", Journal of Science & Technology, Vol.4(2), Sudan University of Science & Technology, Khartoum, SUDAN.
10. 2002, "Special Model of Two-Type Branching Processes in Heavy Traffic Case", Tanmiat Alrafidian Scientific Journal, Vol.65, Mosul University, Mosul, IRAQ.
11. 2001, "The distribution of $R^2/(1 - R^2)$ in the Aggregated Linear Regression Model", Journal of Science & Technology, Vol.2(2), Sudan University of Science & Technology, Khartoum, SUDAN.
12. 2001, "Mathematical Model for Skin Cancer Disease", Tanmiat Alrafidian Scientific Journal, Vol.62, Mosul University, Mosul, IRAQ.
13. 2000, "Application of Assignment Model to Distribute Doctors at Health Care Centers in Mosul", Tanmiat Alrafidian Scientific Journal, Vol.61, Mosul University, Mosul, IRAQ.
14. 2000, "Multi-Type Branching Process Model for Cell Division", Journal of Science & Technology, Vol.1(1), Sudan University of Science & Technology, Khartoum, SUDAN.
15. 1996, "The Convergence Properties of the Multi-Type Branching Processes in the Case of Intensive Productivity and Bounded Second Moments", Sixth Scientific Conference of Iraqi Statistical Sciences Association, Mosul, IRAQ.
16. 1996, "Planning of Higher Education Using Markov Chains", Tanmiat Alrafidian Scientific Journal, Vol.48, Mosul University, Mosul, IRAQ.
17. 1996, "Bounds for Probability of Survival in Subcritical Branching Process", Tanmiat Alrafidian Scientific Journal, Vol.48, Mosul University, Mosul, IRAQ.
18. 1994, "Fitting One of the Time Series Models for Animals Slaughtered in the Iraqi Massacres during (1942-1982)", Fifth Scientific Conference of Iraqi Statistical Sciences Association, Mosul, IRAQ.
19. 1993, "Design of Stochastic Model for Heart Patients Transition at Mosul General Hospital", Tanmiat Alrafidian Scientific Journal, Vol.41, Mosul University, Mosul, IRAQ.
20. 1992, "Convergence of Multi-Type Branching Processes in Heavy Traffic Case", Tanmiat Alrafidian Scientific Journal, Vol.37, Mosul University, Mosul, IRAQ.

	<p>21. 1991, "Convergence Analysis of Multi-Type Branching Processes in Heavy Traffic Case", Abhath Journal, University of Salah El-din, Erbil, IRAQ.</p>
CONFERENCES	<ul style="list-style-type: none"> • 1996, Eighth Scientific Conference, Iraqi Statistical Sciences Association, Baghdad, IRAQ. • 1994, Sixth Scientific Conference, Iraqi Statistical Sciences Association, Mosul, IRAQ. • 1993, Fifth Scientific Conference, Iraqi Statistical Sciences Association, Baghdad, IRAQ.
TRAINING COURSES AND WORKSHOPS	<ul style="list-style-type: none"> • 2008, Third Training Course in Computer SPSS Package to Employees of the National Students Welfare Fund, Khartoum, SUDAN. • 2007, Second Training Course in Computer SPSS Package to Employees of the National Students Welfare Fund, Khartoum, SUDAN. • 2006, First Training Course in Computer SPSS Package to Employees of the National Students Welfare Fund, Khartoum, SUDAN. • 2006, Second Training Session to Develop the Capacity of Researchers, Sudan University of Science & Technology, Khartoum, SUDAN. • 2006, Training Session to Develop the Capacity of Researchers, Kadref University, Kadref State, SUDAN. • 2006, Training Course in the Development of Scientific Research Capabilities to Employees of the Ministry of Health in Sudan, Khartoum, SUDAN. • 2006, Training Course for Staff Development in Quality Management, the Central Agency for Statistics, Khartoum, SUDAN. • 2005, Workshop on Development of Skills for Research, Data Analysis & Thesis Writing, Sudan University of Science & Technology, Khartoum, SUDAN. • 2005, Training Course in Basic Statistics & SPSS Package to Employees of the Ministry of Health of Sudan, Khartoum, SUDAN. • 2004, Theory and Practical Training Course on Statistical Analysis, College of Medical Laboratory Science, Sudan University of Science & Technology. • 2002, Training Course in Computer SPSS Package to Employees of the Computer Centre, Sudan University of Science & Technology, Khartoum, SUDAN. • 1992-1997, Training Courses in Computer Packages (SPSS, QUATTRO, MINITAB, STATGRAPH, QSB, Basic Language), College of Economics & Business Administration, Mosul University, Mosul, IRAQ. • 1992, obtained a Certificate Course Teaching Methods (45) from the University of Mosul, Mosul, IRAQ.
COMMITTEES	<ul style="list-style-type: none"> • 2006-Present, Member of Scientific Research Council, Sudan University of Science & Technology. • 2006-Present, Member of Senate, Sudan University of Science & Technology. • 2006-Present, Coordinator of Postgraduate Studies Programs at Applied Statistics Dept., College of Sciences, Sudan University of Science & Technology. • 2006-Present, Head of Research Unit, College of Sciences, Sudan University of Science & Technology. • 2006-Present, Member of Sciences College Council, Sudan University of Science & Technology. • 2006-Present, Member of Sciences College Research Council, Sudan University of Science & Technology. • 2006-Present, Member of Assessment Accreditation Committee at College of Sciences, Sudan University of Science & Technology. • 2006-Present, Head of Assessment Accreditation Committee at Applied Statistics Dept., College of Sciences, Sudan University of Science & Technology. • 2004, Head of Creation Committee of Quantitative Techniques Dept., College of Business Studies, Sudan University of Science & Technology. • 2000, Member of Committee Creation of M.Sc Program in Statistics, College of Sciences, Sudan University of Science & Technology. • 2000, Member of Committee Creation of High Diploma Program in Statistics, College of Sciences, Sudan University of Science & Technology. • 2000, Member of Committee Creation of Diploma Program in Statistics, College of Science, Sudan University of Science & Technology.

	<ul style="list-style-type: none"> • 1999, Member of Committee Creation of B.Sc Program in Statistics, College of Sciences, Sudan University of Science & Technology. • 1999-Present, Member of many committees for Curricula in Statistics for Under-postgraduate and Postgraduate Studies at Different Universities in Sudan.
COMMUNITY SERVICES	<ul style="list-style-type: none"> • 2008, Statistical Consultant for Ministry of Health, Khartoum, SUDAN. • 2006-Present, Member of the National Team to Prepare a Vision of Sophisticated Measurement and Evaluation, the Ministry of the Council of Ministers, the Secretariat, SUDAN. • 2006-Present, Head of Technical Work Team for Statistics and Research, National Students Welfare Fund, Khartoum, SUDAN. • 2006, Member of Committee for Updating Book and Guide for Doctors, Research Unit, Ministry of Federal Health, Khartoum, SUDAN. • 2006, Organize many Seminars for Staff of Ministry of Federal Health, Khartoum, SUDAN. • 2005-Present, Referee for many Academic Books. • 2005-Present, Referee for Upgrading many University Staff Members. • 2002-2003, Supervision of Computer Centre Work at Sudan University By Application of Statistical Quality Control (SQC), Sudan University of Science & Technology, Khartoum, SUDAN. • 1999-Present, Cooperation in the Teaching, Supervision and Examination for Postgraduate and undergraduate Studies at Universities: AL-Neelain, Islamic Omdurman, Juba, Gizera, Khartoum, AL-Zaiem AL-Azhari, Bakhit AL-Rutha & National Ribat University. • 1999-Present, Supervision on more than 100 Projects for Graduate Students in different Fields. • 1999-Present, Referee for many Research Papers at different Academic Journals. • 1999-Present, Introducing Scientific and Research Consultants for Post-graduates students and Staff in different establishments.
MEMBERSHIPS	<ul style="list-style-type: none"> • 1990-Present, Member at Iraqi Statistical Sciences Association (ISSA), IRAQ.
TECHNICAL SKILLS	<p>Expertise in:</p> <ul style="list-style-type: none"> • Microsoft Office XP (Word, Excel, PowerPoint) • Statistical Softwares (SPSS, WinQSB, Statistica, Minitab, DS, LogXact, SAS, Mathcad, NCSS & PASS 2000, Statgraph) • Window (2000, XP)
THANKS AND APPRECIATION	<ul style="list-style-type: none"> • 2003, Ministry of High Education & Scientific Research, IRAQ. • 2002, Dean College of Mathematical Sciences, Khartoum University, Khartoum, SUDAN. • 2000, President of Sudan University of Science & Technology, Khartoum, SUDAN. • 1999, President of Sebha University, Sebha, LIBYA. • 1994, Dean College of Economics & Business Administration, Mosul University, Mosul, IRAQ.
LANGUAGES	<ul style="list-style-type: none"> • Communicate in Arabic as Mother tongue • Excellent writing in English • Very good talking in English
REFEREES	<ul style="list-style-type: none"> • Dr. Kubais Said Fahady, Professor, Ajman University of Science & Technology, Ajman, UAE. Mob:00971-50-4640091 E-mail: fahady_k@yahoo.com • Dr. Issam Mohahamed Abdel Wahab Bob, Professor, AL-Neelain Univeristy, Khartoum, SUDAN. Mob: 00249-912234697 E-mail: issammohamed@hotmail.com • Dr. Obead Mahmoud Khalil AL-Zubaa'y, Professor, Dean of AL-Jeraf East Technical College, Khartoum, SUDAN. Mob: 00249-912175280 E-mail: obead79@yahoo.com