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Statistics for Everyone and Everywhere

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Department of Mathematics,
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**Dr. Munir Ahmad
Editor**

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FOREWORD

The 12th Islamic Counties Conference on Statistical Sciences (ICCS-12) was held at Qatar University, Doha, Qatar on December 19-22, 2012. A total of 22 technical sessions were held during the four day conference. About 120 research papers out of 239 papers received, were presented, discussed and appreciated by the conference participants. There were seven sessions on the Theory and Applications of Statistics, two sessions on survey sampling, three sessions on demography and population studies, three sessions on economic and business statistics, three on medical and bio-statistics and one session each on mathematical studies, statistical education, environmental statistics, and statistical communications.

There were eight key-note speakers and these are:

1. **Dr. Munir Ahmad** (Pakistan) -
ISOSS: History, Challenges and Future Developments
2. **Dr. Shahjahan Khan** (Australia) -
Linear Model Inference with Non-sample Prior Information
3. **Dr. Muhammad Hanif** (Pakistan) -
Has Sample Survey Sampling Undergone A Scientific Revolution?
4. **Dr. Edward Wegman** (USA) -
Big Data: Technology and Analysis
5. **Dr. Abdel H. El-Shaarawi** (Egypt/Canada) -
Environmental Control and Economic Development
6. **Dr. Mohammad Fraiwan Al-Saleh** (Jordan) -
Statistical Ideas that are Rarely Mentioned in Classrooms
7. **Dr. Aman Ullah** (USA) -
Robustify Financial Time Series Forecasting with Bagging
8. **Dr. Ehsan S. Soofi** (USA) -
When Association Indices Fail and Information Indices Succeed

Beside the above, there were four invited speakers and these are:

1. **Dr. Mohammad Ahsanullah** (USA) -
Generalized Extreme Value Distribution
2. **Dr. Ismail Bin Mohd.** (Malaysia) -
Biparaboloid-Ellipsoid Programming with Different Axis
3. **Dr. Hafiz T.A. Khan** (United Kingdom) -
Attitudes Towards Old Age and Age of Retirement Across the World: Findings from the Future of Retirement Survey
4. **Dr. Mohammad Yahyah** (United Kingdom) -
Application of Statistics in the Pharmaceutical Industry

The papers were reviewed by the Scientific and Editorial Committee with the help of many experts in the field. The papers are now available on the conference website in the shape of pre-proceedings.

ISOSS acknowledges the work put in by the members of the Committee and especially Mr. M. Imtiaz and Mr. M. Iftikhar who had composed the research papers in the Pakistan Journal of Statistics style and uploading on the website.

The Committee is grateful to the President Qatar University and her administration for the facilities provided to the conference participants and to the faculty, staff and students of the Department of Mathematics, Statistics and Physics for efforts made by them in organizing the sessions and looking after the authors of papers, chairmen and rapporteurs of the sessions.

ISOSS management appreciates the hard work put in by Dr. Ayman Bakleezi, Professor of Statistics and Coordinator of the Statistics Program, Department of Mathematics, Statistics and Physics at Qatar University and Chairman, Local Organizing Committee in making the conference a great success. ISOSS also admires the efforts made by Dr. Ali S. Hadi, President of ISOSS and Dr. Shahjahan Khan, Former President ISOSS (2005-2011) for the success of the conference.

PROFESSOR DR. MUNIR AHMAD
Founding President and Patron ISOSS
&
Chairman, Scientific Program Committee
ICCS-12, Doha – Qatar