Professor Helen MacGillivray | ISI President
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13th January, 2019

Ms. Teresa Sanjurjo
Director
Fundación Príncipe de Asturias
Premios Princesa de Asturias
Jurado Ciencias Sociales
Juan Benito Argüelles 2
33004 Oviedo
Principado de Asturias
España

Dear Ms. Sanjurjo,

As President of the International Statistical Institute (ISI), the World Academy of Statisticians and one of the oldest international Scientific organizations, it gives me great pleasure to nominate Dr Carlos M. Jarque as a candidate for the Princess of Asturias Award for Social Sciences. The ISI nominated Dr Jarque for this award in 2018, and given his achievements and his professional career, we would like to strongly reaffirm our nomination of Dr. Jarque for the Princesa de Asturias award in 2019 in Social Sciences.

His academic and professional contributions expand from the detailed measurement of a Society and its physical environment, to the definition and execution of efficient policies, programmes and actions for its greater economic and social development in a sustainable fashion. He has done innovative and very productive work with outstanding results in the academic, public, private and multilateral sectors. His work has contributed to social welfare in his home country, regionally and globally.

In the academic arena, he has made innovative theoretical and empirical contributions using pioneering methods. He is well known for his work on testing model specification (including the Jarque-Bera Test Statistic) and for his methods of optimum stratification. His research on Consumption and Saving Behavior using Limited Dependent Variable Models has been pioneering and his work on Macro Economic modelling with quarterly models using Rational Expectations have been powerful tools to efficiently forecast economic cycles. His work on Cluster Analysis has ample application for elaboration of Welfare Atlases.

His econometric tests on Normality, Homoscedasticity, Serial independence of residuals and model specification are in text books and are taught worldwide. Many generations of students and researchers around the world have been trained on the use of these instruments which contribute to more precise social and economic studies and, more importantly, effective policies.

In 2015 the ISI awarded Dr Jarque the prestigious Mahalanobis award for lifetime achievements in the promotion of best statistical practices in a developing country or countries. Few people can match Dr.

Jarque's contributions to the development of statistics for the betterment of society in their native country and in the international arena. He led the organization and implementation of eight national Censuses and established quarterly National Accounts. As President of Mexico's National Institute of Statistics, Geography and Informatics (INEGI), he initiated the PROCEDE program which titled (in property) more than half of Mexico and a third of Mexico's housing units. This was an unprecedented project worldwide, giving property titles to the poorer population in the country and opportunity to link geographic with socio-economic statistical data to promote sustainable development. He spearheaded the modernization of Mexico's statistical and geographical information systems and advanced the use of data for economic planning and project execution. As Minister of Social Development, he championed the use of statistical data to design, monitor and evaluate social programs.

Internationally, he served (briefly) as Director of the ISI and later as Chair of the United Nations Statistical Commission. At the UN he championed the definition and establishment of the Millennium Development Goals, a global framework for poverty erradication, and useful methodologies to measure the many dimensions of economies and societies. At the Inter-American Development Bank, he worked to ensure that sound statistics are at the core of policy-setting and decision-making. He introduced a set of statistical indicators to monitor progress of the Bank´s strategic framework, and Chaired the committee that coordinated Bank-wide financial efforts to support attainment of the Millennium Development Goals, including support to countries for their statistical capabilities.

Dr. Jarque´s academic research and his professional contributions are based on the use of Mathematical Sciences and Econometrics as foundations to achieve economic competitiveness and social progress; information dissemination and use as a strategic input for welfare, solidarity, democratic development and better informed societies; and Statistical Sciences as powerful instruments to promote more cohesive communities and sustainable development at local and global levels. He is an outstanding professional of the 21st Century Information Society.

For all his truly remarkable achievements, Dr Jarque would be an oustanding recipient of the Princess of Asturias Award for Social Sciences for 2019.

Yours sincerely,

Helen MacGillivray
ISI President