

4<sup>th</sup> Annual Congress and Expo on

# BIOFUELS AND BIOENERGY

April 27-28, 2017 Dubai, UAE



## Muhammad Usman

*Former Director General of Agricultural Research System, Pakistan*

### The role of biofuels and bioenergy on the poverty alleviation in the developing countries of the world particularly South Asia

The role of fuels, biofuels, renewable fuels, bioenergy, energy efficiency, clean technology and sustainability were studied on the production of agriculture, agricultural industry which create income, generate employment and subsequently reduced the poverty in the developing countries of the world particularly South Asia. It was further reported that fuels, biofuels and bioenergy is the most powerful tools for reducing poverty in the world. Fuels are any materials that store potential energy in forms that can be practicably released and used for work or as heat energy. Biofuels can be broadly defined as solid, liquid, or gas fuel consisting of, or derived from biomass. Similarly, biomass can also be used directly for heating or power-known as biomass fuel. Renewable fuels are fuels produced from renewable resources. Examples include: biofuels. Biomass- is biological material derived from living, or recently living organisms which is biomass as a resource for making energy, it most often refers to plants or plant-based materials which is not used for food or feed and are specifically called lignocellulosic biomass. Energy efficiency means using less energy to provide the same level of energy. For example, a compact fluorescent bulb is more efficient than a traditional incandescent bulb as it uses much less electrical energy to produce the same amount of light. Sustainability could be defined as an ability or capacity of something to be maintained or sustain itself. If any activity is said to be sustainable, it should be able to continue for ever. Keeping in view the importance of biofuels, bioenergy, energy efficiency and clean technology which create income, generate employment, economical growth social development and subsequently to improve the daily lives for reducing global poverty and hunger in the developing countries of the world particularly South Asia.

### Biography

Muhammad Usman, Former Director General of Agricultural Research System, Government of Pakistan who retired from service after a spotless career of about 35 years with senior level experience on research and development of integrated agricultural industries with regard to livestock and dairy development, poultry, aquaculture and apiculture, sustainable agricultural production system, fruits and vegetable, seed production, biofuels, biomass and bioenergy. Usman is basically an agricultural scientist with specialization of agricultural/ chemistry working as plant breeder with regard to the yield and quality of various agricultural crops, released several varieties, presented and published research papers on crops and renewable energy in the different conferences like Geneva. Usman established "Prominent Agro Based Industries SDN BHD" in Malaysia and "Foundation for Rural Development in Pakistan", with primarily aims to work on integrated agricultural project for Rural Development through improvement in agriculture for rehabilitation of affected area.

[usmankhan1949@yahoo.com](mailto:usmankhan1949@yahoo.com)

### Notes: