

12th IFSDAA International Webinar

on

“Trends in technology for Agriculture, Food, Nutrition, Environment and Health”

2nd October 2020

Time: 11:00 AM

Organized by

- International Foundation for Sustainable Development in Africa and Asia (IFSDAA) - African Asian Studies Promotion Association (AASF) – Germany
- Society for Sustainable Agriculture & Resource Management (SSARM) - India
- Genetics, Epigenetics, Environment and Nutrition Towards Plant, Animal and Human Health (GEENPAHH) - India
- Optimal Pregnancy Environment Risk Assessment (OPERA) – Canada

at

Jagan Nath University (Bahadurgarh, India)

If you give me rice, I'll eat today, but if you teach me how to grow rice, I'll eat every day.

-Mahatma Gandhi

About the webinar- The world population is likely to grow to 8 billion by 2025 and stabilize at 10 billion by 2050. The increase in population is mainly in developing countries where food, environmental, and health problems are apparent on account of lack of resources. In many countries where the green revolution led quantum jump in yield has been realized are also witnessing grey patches due to excessive use of inputs and agrochemicals, over-mining of nutrients, secondary salinization, etc. In order to have sustainably high production possessing adequate nutritional value for teaming millions every year, the present agrotechnology has to be revisited and customized for locational specific needs.

Global climate change due to rise in temperature, industrial effluents, emissions from motor vehicles and chimneys, and agricultural and e-waste has added to complexities in all spheres of life mainly agricultural biodiversity, emergence of new flora and fauna, diseases

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like pandemics, etc. All these have posed challenge for human health as well as management of health services for every nation.

Since the advent of the 21st century sustained efforts are being made globally in pursuance of UN millennium goals and sustainable developmental goals with the ultimate objective of transforming the world into a peaceful, progressive and prosperous planet, where all living beings are food and nutrition secured and live in coherence with dignity. UN sustainable development goals being pursued from 2006 entail in their objective to remove poverty and hunger, ensure good health and education with gender equity, water sanitation and hygiene, production of renewable energy for sustainable economic growth through industrialization in equitable manner and with responsible production and consumption pattern, mitigating climate change and ensuring safeguarding environmental protection, conserving terrestrial and aquatic biodiversity through international cooperation and partnerships by the year 2030.

Human health is determined by a blend of genetic, epi-genetic, environmental, nutritional and psychological factors. Therefore, coherence among elements of food and nutritional security, artificial intelligence for health disorder diagnostics and diseases like metabolic syndrome, nutritional deficiencies, mineral and vitamin deficiencies, insect pest driven diseases and technology for production of safe and healthy food crops are needed to ensure human health. In addition, elements of Agricultural and Environmental Sustainability, renewable energies to mitigate adverse climatic change impacts, biotechnology for crop improvement to infuse stress tolerance along with high grain yield, nutritive value, technology for plant based meat alternatives and bioinformatics for better end use quality are key elements for food and nutritional security. There is a lot of competition for natural resources like land, water, food and feed among humans, live-stock and wild animals. Technologies of prudence are needed to maximize resource utilization efficiency and deliver nutritional food/feed for better human/livestock health.

Keeping above facts in view an International Webinar on “Trends in Technology for Agriculture, Food, Nutrition, Environment and Health” shall be organized on 2nd October, 2020, the birthday of the great visionary, reformer and world leader Mahatma Gandhi, who believed in spirituality, divinity, humanity, peace on the planet earth where all live with dignity. Also, a book with the same title will be released by luminaries. The objectives of the Webinar are (i) to access current and future scenario of agriculture, food, environment and health related issues challenges and perspectives; (ii) to access use of biotechnology, bioinformatics, computer applications and behavioral sciences in agriculture production systems, environment and health diagnostics; (iii) Skills development, entrepreneurship and capacity building needs in developing combines in above stated areas. Teachers, scientists, research scholars, students, policy planner, development functionaries and NGOs from various countries all over the world are requested to join the webinar and enrich their knowledge and find orientation through the speeches of peagents. The participation is free and open to all globally subjected to pre-registration. All the participants will get e-certificate from the organizers. We look forward to your participation and support in distributing the circular of webinar among your contact globally.

Speakers:

- **Dr. Kahsai Wolde Giorgis**, Vice President, AASF, Germany
- **Dr. Manfred Kern**, Former Global Head of Business Relations, Bayer Crop Science, Sr. Vice President, IFSDAA, Germany
- **Prof. Arthur Riedacker**, Co-Noble prize winner, INRA France.
- **Prof. Ravindra N. Chibber**, President ICSSARM, University of Saskatchewan, Canada

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