INTERNATIONAL CONFERENCE ON

MILLETS CROPPING IN THAR DESERT OF INDIA AND ROLE OF RURAL COMMUNITY IN SUSTAINABLE DRY ECOLOGY

November 9-11, 2023





Green India Clean
Environment Society (GICES)



International Council of Environmental Engineering Education



Society for Rural Improvement

In collaboration with
HARYANA SPACE APPLICATIONS CENTRE

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HARYANA SPACE APPLICATIONS CENTRE HARSAC, HAU Campus, Hisar, India

SCIENTIFIC PROGRAM

9th NOVEMBER 2023

OPENING CEREMONY

SCHEDULE OF CONFERENCE

INAUGURATION DAY

09-11-2023

Timing

10:00 am - 10:20 am Dr. Laxman Singh Rathore-India – Importance of Millets in India

10:25 am- 10:45 am
Dr R.S. Hooda- India – Millets under the Present Scenario of Country

10:50 am-11:10 am Dr. Mana Raj Kolakshyapati --Nepal---Keynote lecture-Millets Story of Nepal

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Petra Dančová is an associate professor at the Technical University of Liberec in the Faculty of Mechanical Engineering. Since 2019, she has served as the head of the Department of Power Engineering Equipment. She completed her Ph.D. studies at the Czech Academy of Sciences (Institute of Thermomechanics) in collaboration with the Technical University of Liberec, specializing in Applied Mechanics. Her habilitation thesis focused on experimental methods used in non-isothermal flow tasks. Her research interests encompass experimental methods in fluid flow and heat and mass transfer, boundary layers and turbulences, as well as energy systems.

THE DANGER OF THE COMBINED COURSE OF ARTERIAL HYPERTENSION AND DIABETES MELLITUS TYPE 2

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ABSTRACT

The danger is the increase not only among the population of Ukraine, but also in the world, the combined incidence of arterial hypertension and diabetes mellitus type 2, therefore obtaining new scientific data on the peculiarities of the development of this combined pathology, substantiation and improvement of early diagnosis of these diseases will contribute to the reduction morbidity and reduction of temporary incapacity for work, prevention of development of complications. Arterial hypertension is the most common chronic disease. The study is part of the research work of the Department of Internal Medicine No. 3 and Endocrinology of the Kharkiv National Medical University.

The purpose of the study is to improve the diagnosis of diabetes mellitus type 2 in patients with arterial hypertension and predict the features of their combined course through the definition of new criteria for early disorders of carbohydrate metabolism. To achieve the goal, the tasks of determining the level of insulin-like growth factor-1 (IGF-1) in the blood, taking into account the gender of patients with an isolated course of arterial hypertension and with combined pathology, were solved, the presence of IGF-1 influence on indicators of the state of carbohydrate and lipid metabolism among patients was determined, and its role was determined as a marker of the risk of developing disorders of carbohydrate metabolism in patients with arterial hypertension, depending on gender, a model was built to predict the features of the development of the combined pathology of arterial hypertension and diabetes mellitus type 2.

Research methods: clinical, laboratory, instrumental, immunoenzymatically, analytical and statistical.

The scientific novelty consists in obtaining new scientific results about the pathogenetic role of IGF-1 in the development of hormonal and metabolic disorders among patients with hypertension, prediabetes and diabetes mellitus type 2. Discriminant analysis was used to calculate the parameters of the classification functions to substantiate the assignment of the patient to the group with an isolated course of hypertension or to the group with the combined pathology of hypertension and diabetes mellitus type 2, which is of practical importance and positively affects the prevention of the development of complications, shortening the term of temporary incapacity, which involves medical and social efficiency.

Medical efficiency is manifested in the reduction of danger in the field of health care due to the increase in the level of medical assistance, early diagnosis of diseases, forecasting and prevention of complications, and reduction of the rate of disability of the population.







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Economic efficiency consists in reducing the length of stay in a hospital, the terms of temporary incapacity.

The prevention of possible future complications forms social efficiency through the improvement of criteria for early diagnosis of diabetes mellitus type 2 in patients with hypertension and prediction of the features of the combined course of hypertension and diabetes mellitus type 2.

Keywords: arterial hypertension, diabetes mellitus type 2, IGF-1, risk prevention

Biography



Assistant of the Department of Internal Medicine No. 3 and Endocrinology, Kharkiv National Medical University. He is a candidate of medical sciences and the author of more than 30 scientific works on medicine, pedagogy and medical insurance and 2 patents.

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METHODOLOGICAL PRINCIPLES OF THE GREEN TRANSFORMATION OF THE UKRAINIAN ECONOMY

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ABSTRACT

The accelerated pace of economic growth and civilizational development of humanity in recent decades objectively actualizes the issues of quality of life and human well-being, a safe and healthy environment, as well as rational use of natural resources to ensure the well-being of future generations. These problematic issues became the focus of the concept of "green economy" and activated wide discussions among scientists and practitioners at the national and international levels, which led to the emergence of a generally recognized scientific concept of sustainable development, as well as a number of practical initiatives regarding its implementation at the national and international level. In our opinion, this concept deserves attention in the context of the search for scientifically based ways of post-war reconstruction of Ukraine's economy and stimulation of it balanced social and economic development.

At the same time, increased attention to the concept of sustainable development as a long-term doctrine of the development of modern society based on the triad of balanced development of the economic, social and environmental spheres actualizes the search for ways of scientific and methodological investigation of ways to achieve the specified goals.

In our opinion, one of the relevant ways of scientific substantiation of achieving the goals of sustainable development is the methodological basis of the concept of "green economy", which provides for the so-called mechanisms of "greening" of the economy, namely: increasing the share of "green sectors of the economy" in GDP; increasing the share of country's population employed in the "green sectors of the economy"; increasing in public and private investments directed to "green sectors of the economy"; "separation" of economic growth from excessive use of resources and negative impact on the environment; changes in the