

In short, not only are the environment and globalization intrinsically linked, they are so deeply welded together that we simply cannot address the global environmental challenges facing us unless we are able to understand and harness the dynamics of globalization that influence them. By the same token, those who wish to capitalize on the potential of globalization will not be able to do so unless they are able to understand and address the great environmental challenges of our time, which are part of the context within which globalization takes place.

The dominant discourse on globalization has tended to highlight the promise of economic opportunity. On the other hand, there is a parallel global discourse on environmental responsibility. A more nuanced understanding needs to be developed—one that seeks to actualize the global opportunities offered by globalization while fulfilling global ecological responsibilities and advancing equity. Such an understanding would, in fact, make sustainable development a goal of globalization, rather than a victim.

Better global governance is the key to managing both globalization and the global environment. More importantly, it is also the key to managing the relationship between the two. The processes of environment and globalization are sweepingly broad, sometimes overwhelming, but they are not immune to policy influence. Indeed, the processes as we know them have been shaped by the policies that we have—or have not—put in place in the past. Equally, the direction that globalization, the global environment and the interaction of the two will take in the years to come will be shaped by the policy decisions of the future. Governance, therefore, is the key avenue for action by decision-makers today.

RESEARCH OF FALSE BOILING LAYER FUNCTIONING IN VORTICAL GRANULATOR

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The question of granulation process intensification is actually taking into account the tendency of granulation technological charts modernization and creation of new lines with great specific power.

On the basis of its own fundamental research at the department "Processes and chemical equipment" of Sumy state university new various technologies and equipment are developed and applied in industry. For this purpose the department has all necessary material and technical basis.

The research laboratory of the department develops new granulation methods and devices for their realization, namely false boiling vortex layer granulators, solves the problems progressive granulation technologies creation with the purpose of high-quality products making. Setting up of new enterprises based on the manufacturing of granular products by means of false boiling vortex layer granulators is one of the ways to reduce expenses for producing granular porous products and to increase their quality. To achieve this goal we must introduce the newest developments of modern science and technology.

The physical features of involute axis gas stream determine conformities to the law of hydrodynamics. Research of conformities to the law of involute streams in axis channels, in particular solving of actual case of false boiling vortex layer granulators functioning, is an scientific and practical problem.

On the basis of the protected patents of Ukraine the experimental false boiling vortex layer granulator has been created. The research has been made concerning the influence of phase's movement in the working chamber of this device.

As a result of experimental research the graphic dependences of hydrodynamic parameters of stream after crossing of false boiling vortex layer granulator working chamber of with additional visualization as video data are obtained.

By means of experimenting, photographing and filming a physical model of diphase stream interaction within the limits of working cavity of the false boiling vortex layer granulator was worked out. The ways of subsequent improvement of gas-distributing units for providing constant vortical granules motion were defined.

The results of comparison of theoretical bases and research results of the experiments in combination with modern

possibilities of mathematical modeling are one of decision stages of the lay task is introduction of the vortex layer granulation technology with the use of small false boiling vortex layer granulators.

ETHIC APPROACHES IN ECONOMY

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Economy, policy and spirituality are the interactive categories, and this whole system's duration is defined by a list of ethic values, which are formed and changed during centuries. Thus, if you want to analyze a level of economic growth of a country, you have to consider historical aspects of its ethic principles' forming.

Classics of economy science (A. Smith, D. Ricardo) estimated all appearances of society life under the corner of economic rationality and material productivity. However the main economic goal can't be established without a person. Different to nature economy is a cultural historical phenomenon, which is directly related to the human existence.

From the first steps of economic science study everybody comes up with necessity of three independent questions: "What should one produce and in what quantity? How should production be organized? Whom should products be produced for?" On one hand these three questions are economic, but it is important to take its ethic component into account today.

One can come to conclusion, that taking ethic component into account is vitally necessary in the modern economy. Complex realization of promotion directions can give the following ethic-economic advantages for the humanity:

- usage of technologies, which provide the basic human needs all over the world;
- observation of obligations to the next generations in space and time;
- respect to all life's forms as a next stage of ethic evolution;
- implementation of advisable technologies, which takes social, ecological and national peculiarities into account;