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Professional activity of technology engineers in terms of innovative development in food industry

Анотація

Стаття розглядає професійну підготовку інженерів – технологів харчової галузі за нових соціально – економічних умов, аналізує філософські, психологічні погляди на творчу професійну діяльність інженера-технолога харчової галузі, конкретизує місце професійної діяльності інженера – технолога у виробничому процесі, визначає елементи організаційної та психологічної підсистеми професійної діяльності інженерів-технологів харчової галузі, а також описує технологічну, організаційно – управлінську, експлуатаційну, проектну, науково – дослідну функції творчої професійної діяльності інженера – технолога харчової галузі.

Аннотация

Статья рассматривает профессиональную подготовку инженеров - технологов пищевой отрасли в новых социально - экономических условиях, анализирует философские, психологические взгляды на творческую профессиональную деятельность инженера-технолога пищевой отрасли, конкретизирует место профессиональной деятельности инженера - технолога в производственном процессе, определяет элементы организационной и психологической подсистемы профессиональной деятельности инженеров-технологов пищевой отрасли, а также описывает технологическую, организационно - управленческую, эксплуатационную, проектную, научно -

исследовательскую функции творческой профессиональной деятельности инженера - технолога пищевой отрасли.

Annotation

The article considers future food industry technology engineers professional training under new social and economic conditions, analyzes philosophical, psychological points of view on food industry technology engineer creative professional activity, defines the place of food industry technology engineer professional activity in the manufacturing process, shows the elements of the organizational and psychological subsystems of food industry technology engineer professional activity and describes the technological, organizational, managerial, operational, project, scientific research functions of food industry technology engineer creative professional activity. The technological function means the work according to the technological standard of traditional and innovative food goods production. According to the organizational and managerial functions rhythmical goods production corresponding the necessary assortment and high quality as well as the organization of punctual supply, storage, preservation and rational usage of goods and materials are realized. The operational function is fulfilled while monitoring technological discipline and the proper operation of process equipment, in the organization of maintenance and repairing of equipment. In accordance with the project function a food industry technology engineer offers solutions of the goods range expanding, about introduction of new materials and innovative equipment; develops and approves new recipes and technologies of food production; develops documents for the new goods. Scientific research function is realized in the research process of domestic and foreign experience of production technologies, factors influencing the successful development of food business.

Ключові слова

Професійна підготовка, професійна діяльність, інженери-технологи харчової галузі, інноваційний розвиток.

Ключевые слова

Профессиональная подготовка, профессиональная деятельность, инженеры-технологи пищевой отрасли, инновационное развитие.

Key words

Professional training, professional activity, technology engineer of food industry, innovative development.

Problem setting in general and its connection with the important scientific and practical tasks.

Modern stage of the social and economic development of Ukraine, membership in the world Trade Organization and Association with the European Union open new approaches of market relationships with other countries in the world and that enables the appearance of new sources of raw materials supplying, transfer to innovation goods manufacturing, the use of world labour division. Under such conditions the activity of food industry businesses is connected with introduction into the manufacturing new types of food goods, the broadening of their assortment, creation of innovative food technologies and equipment corresponding modern requirements to preservation of resources, energy, safety and quality. That explains the necessity of the training of competent technology engineers, able to perform creatively, to develop and improve professionally.

Strategic tasks of such specialists training according to the paradigm of competences in professional education are defined in the National strategy of education development in Ukraine for the period till the year 2021 (in 2013), in the Law of Ukraine «About Higher Education» (2014), the Order of the President of Ukraine «About strategy of constant development «Ukraine – 2020» (2015) and also in the main points of the Copenhagen declaration (2002) and in the Bruges communiqué (2010). [12]

In this aspect food industry technology engineers training is focused on their mastering of the whole system of professional knowledge, skills, experience of creative professional activity, the formation of willingness to solve creative tasks in the manufacture using intellectual, moral, creative strengths. Such high standards for the level of creative professional activity of a modern specialist in food industry predetermine the necessity of their reflection in the system of higher professional education.

Analysis of the newest researches and publications where the solving of this problem was started.

The research and development of scientific approaches of the future specialist preparation for the creative professional activity is given appropriate attention, particularly in such directions:

- the philosophical aspects of creative activity reasoning (P. Alexeyev, N. Al-Ani, M. Berdyayev, V. Vernadsky, V. Gorokhov, John Dewey, P. Enhelmeyer V. Lesevych, B. Matyushko, V. Melnyk, I. Oreshnikov, V. Petrushenko, E. Semenyuk, M. Tarasenko, H. Chelpanov, O. Chizhevsky, V. Yakovlev and others); [4; 5; 6]
- creativity psychology research (A. Adler, D. Bogoyavlenska, L. Vygotsky, J. Guilford, E. Ilyin, B. Kedrov, A. Klepikov, V. Klimenko, H. Kostiuk, I. Kucheryavy, S. Maximova, O. Matyushkin, S. Mednik, V. Molyako, G. Olport, K. Platonov, Y. Ponomarev, N. Postalyuk, N. Rogers, V. Romenets, S. Rubinstein, R. Sternberg, B. Teplov, O. Tikhomirov, E. Torrance and other); [9]