

Biomedical Engineering and Occupational Therapy Approach in Technologies for Enhancement Human Labor and Defense Abilities

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A review of published data sources, their synthesis analysis, a description of the developed approach in health-forming technologies, based on the use of natural physical environments of living, daily working and servicing activity, inducing adaptive plastic transformations, optimization of gas-energy exchange in the body, strengthening of sensorimotor integration. Strategically, the development is aimed at enhancement of the working and defense capability, rehabilitation of individuals, i.e. an approach to solving the modern social problem of the growing "disability of society".