



Bioelectricity, Electrical Safety, and Electrostatics for Automatic Control of Physiological State and Function

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Abstract

A human body is controlled by electrical signals and is maintained by the physiological state and function. The bioelectricity for maintaining the physiological function is important and its technology is widely used in the field of electricity and biology, etc. There are the unsolved problems related to a human body. Collaboration is required for solving such problem completely. The areas of studies on the bioelectricity and the electrical safety, and the electrostatics are related closely. The collaboration between different areas and the knowledge published on the online journal will be useful for us to solve some future technology related to the human body.

Keywords: Bioelectricity; Electrical safety; Electrostatics; Physiological state and function; Automatic control

Introduction

A biological (physiological) function of a human body is controlled by the electrical signals and is maintained continuously so far as the function is not lost by the damage from the outer and inner disturbances. The bioelectricity for maintaining the physiological function is getting more necessary and it is developed. The technology is widely used in the field of not only electricity, but also biology etc. The contribution will be useful for us to save a valuable life of the human body.

There are many contribution related to the bioelectricity, and the results are used for analyzing the causes of some damage of a human body. Though basic characteristics of a human body had been summarized, the further consideration is required by the increase of such topic. An unsolved topic related to the human body has not been solved completely since the solution of the topic is not easy. Collaboration between different fields may be needed since there is such reason. The collaboration could help us to solve quickly the solution of the topic.

The areas of studies on the bioelectricity and the electrical safety, and the electrostatics are related closely because a human body is affected by electro stimulation. A technological communication between the areas of studies is required as the area is becoming increasingly fractionalized. The communication will enhance the ability and technology of a researcher for each area.

Knowledge related to the bioelectricity by an online journal of the automatic control of physiological state and function can be taken easily, and it is important and valuable for the readers of non-

members. The knowledge published on the journal has a high potential and it will be useful for us to improve technology of relative areas of studies.

Related topics

The open access Journal of the Automatic Control of Physiological State and Function can publishes a research article and a review article related to topics below.

- Bioelectricity, electrical safety, and electrostatics,
- Motion sickness medicine,
- Robotic science,
- Biomedical-engineering,
- Medical device,
- Prosthetics,
- Metabolic flux,
- Metabolic disorders,
- Automatic technology,
- Bioengineering biotechnology,
- Artificial skin,
- Artificial life,
- Intelligent materials,
- Biological physics,
- Biomechanics,
- Metabolic engineering,
- Artificial taste and smell,
- Neuro networks,
- Biome network,
- Nano material,
- Psychological balance,
- Genomics and drug development

Conclusions

The areas of studies on the bioelectricity and the electrical safety, and the electrostatics are related respectively. These areas of studies would grow as the collaboration between the areas is developed. There is a possibility that some unsolved topic related to a human body is solved completely by the collaboration. A knowledge published by the online journal will be important and useful for us to solve some future technology related to the human body.