

New dimensions of Stress and its numerical modeling

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Abstract

In the present study we introduce a new stress approach, which completes the transactional theory of Folkman and Lazarus (1984). It is a numerical model in which we take into account another variable named PSS (Previous State of Stress) that we estimate necessary to explain why psychological state of stress occurs or not. In our model, stress is presented in the form of a mathematical function (equation) of three variables (PSS, SV, R). By evaluating each of these components, this equation enables us to evaluate the generated stress intensity of a person. By improving this formula, the present model enables us to take into account another type of stimulus (positive stimulus) and to evaluate it. Many instances of daily stress, that take into account these new dimensions, have been cited. The stress formula efficiency has been tested by applying it on these examples and to some concepts like violence and stress accumulation. RQSI (Required Quantity of Stress Index) is an index that we have introduced in our numerical model. The calculated RQSI enables us to evaluate the average amount of stress (positive or negative) that a person receives from each stimulus he has been exposed to during a period of time. A new definition of stress phenomena, on the basis of our new numerical data model, is proposed.

Biography:

Ktiri Fouad is a clinical psychologist, a psychology teacher, a researcher and a yoga coach. His experiences in clinical psychology and yoga-relaxation allowed him to publish, in 2015, a paper book entitled "Stress - How to prevent and fight it - New psychological, spiritual, body and cognitive techniques". From 2009, he has animated conferences and participated in many radio psychological programs.

His experiences as a physics and computer graduate helped him to combine psychology and mathematics, which allowed him to elaborate a new stress numerical model and published it on 2016.

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Speaker Publications:

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2. H. Selye, "The Stress of the Life" New York, NY: McGraw-Hill, 1956.
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5. Dahl, Ronald E., The consequences of insufficient sleep for adolescents: Links between sleep and emotional regulation. Phi Delta Kappan 80.5 (Jan 1999): 354-359.

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