

# Николай Колев Витанов

## Избрани цитати на научните трудове показващи влиянието на изследванията

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- ★ N. K. VITANOV, K. N. VITANOV *Physica A* **490**, 1277 - 1294 (2018). **315**, 372 - 380 (2017)  
Пример за разширено цитиране, показващо влиянието на резултатите в областта на теорията на миграцията. Цитирани са статията в *Advances in Complex Systems* от 2012 г. и горната статия
84. R. Cerquetti, G. P. Clemente, R. Grassi. *Social Indicators Research* (2018) doi: 10.1007/s11205-018-1883-6

...An interesting perspective in the migration roots context is offered by Vitanov et al. (2012). Such a point of view is rather different from ours, since the authors deal with a concept of migration related to the changing of opinion, while we consider the socio-economic contextualization of the migrants. The physical nature of migration is well explained in Vitanov and Vitanov (2018), where the motion of substance (or of human) is modelled over the nodes of a network. The paper is of particular interest, because it assumes that the nodes can also exhibit an attracting behaviour. In this respect, our paper carries out arguments which are similar to those of Vitanov and Vitanov (2018), where countries are able to polarize migrants. Such a property is here captured by the proposed indicator...

- ★ N. K. VITANOV, K. N. VITANOV *Science Dynamics and Research production* Springer, Cham, Switzerland, 2016.  
Избрани параграфи от резензията на книгата, направена от Андраш Шуберт, един от класиците на модерната наукометрия
85. A. Schubert Science dynamics - from production to evaluation. Two recent books *Scientometrics* **112**, 1141 - 1145 (2017) doi: 10.1007/s11205-018-1883-6

... With a nice gesture from the author, Chapter 5 is Dedicated to the memory of Anatoly Yablonsky. His studies on mathematical models of science contributed much to my interest in mathematical modeling of social and economic systems. [A. I. Yablonsky was among the pioneering authors of our journal, as well (Blauberg et al. 1987)]. The chapter itself, *Selected Models for Dynamics of Research Organizations and Research Production*, is a storehouse of deterministic and stochastic models of publication and citation dynamics. **Epidemic and population dynamics models are treated with special competence and care being among the authors cherished exercise grounds in studying ordinary and partial differential equations.**

The last chapter, Chapter 6: *Concluding Remarks* appears to be a recapitulation of the main theses of the whole book rather than a conclusion of Part III. Problems of funding are discussed here in greater detail than anywhere earlier in the book. In his very final remarks, the author writes about his book: the focus was set on mathematical tools and models. [...] My experience shows that the shortest way to become familiar with the indexes and with the conditions for their proper application is to calculate them oneself. So my advice to the reader is to perform many such calculations in order to gain experience about the proper and improper application of the indexes.

In summary, Vitanovs book is an extremely valuable survey for all readers who are not frightened by a relatively high concentration of mathematical formulae. It is an exemplary attempt to show how mathematical skills may serve social science knowledge largely acquired by softer tools. The author doesnt want to reinvent the wheel or, whats even worse, to invent an angular wheel, but rather tries to interpret and explain the construction and operation of the wheel by the most precise and exact terms possible.

Highly recommended.