

Review of: "Understanding Creativity"

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Potential competing interests: No potential competing interests to declare.

Dear Dr. Lambert,

The article provides an excellent overview of the multifaceted topic of creative complexity, which has increased in relevance due to the diversity of specialized AI. In the article, I am impressed and like:

- A critical look at the sequence of approaches to the development of creative cognition,
- Analysis and evaluation of creative thinking programs (Purdue, de Bono, synectics, and TRIZ),
- Exploring the complexity of theories to improve creativity and skills training programs.

The use of a large number of direct quotes and references in the article emphasizes the individual point of view. I agree with the author that there is inconsistency in the definitions of creativity using the agreed-upon SAT assessment method and its assessment, as well as other methods, which indicates the need for comprehensive research on a transdisciplinary basis. In particular, I agree that the Torrance Tests of Creative Thinking (TTCT) are just tests of divergent thinking.

Delving into the multifaceted concept of creativity, the author explores both cognitive and non-cognitive approaches to developing creativity, as well as the effectiveness of various creativity training programs. However, the author did not pay attention to the unique opportunities for creative activity and new problems that are induced by the digitalization of education, science, and technology (<https://doi.org/10.32388/GIJ3RI>), where attention is drawn to the heuristic value of cognitive modeling of reality. In addition, today it is relevant to study the influence of AI on creative activity (DOI [https://doi.org/10.21272/jnep.15\(6\).06032](https://doi.org/10.21272/jnep.15(6).06032)).

Sincerely,

V. Mygal