

Special Issue

Polysubstance Use among Adolescents and Young Adults: Effects on Brain, Behavior and Health

Message from the Guest Editor

Polysubstance use is prevalent among adolescents and young adults. In particular, alcohol, cannabis, and nicotine are the most commonly used substances by youth, which necessitates an understanding of the effects of their co-use and simultaneous use on brain structure, function, cognition, and health. Many studies have focused on the use of single substances on the brain, neurocognitive functioning, and health, but these studies may be less generalizable to the actual use characteristics of adolescents and young adults who more often engage in the use of multiple substances. Importantly, it is critical to understand whether the combination of different substances has distinct effects on adolescents and young adults than the use of individual substances. The purpose of this Special Issue is to bring attention to recent research that has focused on the effects of alcohol, cannabis, nicotine, and other substance co-use on brain, behavior, and health outcomes, in an effort to better understand the effects of polysubstance use during a period of development characterized by protracted brain maturation. Papers on any combination of substance co-use are welcome.

Guest Editor

Dr. Anita Cservenka

Department of Psychology, Oregon State University, Corvallis, OR 97331, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijerph@mdpi.com

mdpi.com/journal/

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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Editor-in-Chief

Prof. Dr. Paul B. Tchounwou
RCMI Center for Urban Health Disparities Research and Innovation,
Richard N. Dixon Research Center, Morgan State University, Baltimore,
MD 21251, USA

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