



SEMINARS OF SCHOOL OF CHEMISTRY
ARISTOTLE UNIVERSITY OF THESSALONIKI

We invite you to attend the online event

“Chemical Chartography in Catalytic and Biochemistry related examples”

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THURSDAY / July 21, 2022 / 11:00

To attend the lecture please Join Zoom Meeting, or visit us in room 309 old building,
<https://authgr.zoom.us/j/95676095260?pwd=bjI4Yk1sTlFmZlV6cW1ZbWRSYzMwQT09>
Meeting ID: 956 7609 5260
Passcode: 242433

ABSTRACT

Chemical Chartography is a complementary synthetic approach exploiting compositional parameters and correlating topology (structure) and property relationships. This work presents examples of Chemical Chartography in Catalysis and Biochemistry. Specifically, we will describe

- sustainable Copper-based methodologies that yield organic scaffolds of high pharmaceutical importance, including propargylamines and dihydropyridines,
- the rational design of a tunable Cu(II) chelating scaffold which prevents the formation of reactive oxygen species; an essential aspect for diseases such as Alzheimer's, Prion, Wilson
- the use of complexes to ease sense amines and amino acids.