# Introduction to MULTIVARIATE CURVE RESOLUTION
## Lunedì 3 FEBBRAIO 2020
## DSGC V. Campi 103 - Aula Calcolo 2 piano  14.30 - 17.30

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## PROGRAM

   The seminar will focuses on the basis and main aspects to be considered when applying Multivariate Curve Resolution to analyse multicomponent systems [1] and hyperspectral images [2].
These aspects include general MCR comments on the potential fields of application and construction of data structures and details linked to each of the steps in the application workflow of the MCR-ALS algorithm and illustration of the MCR GUI [3].
   Cases of study in chemistry, biology, environmental monitoring will be presented.

[1] A. De Juan, J. Jaumot, R. Tauler, Multivariate Curve Resolution (MCR). Solving the mixture analysis problem    DOI: 10.1039/C4AY00571F
[2] A. De Juan, Multivariate curve resolution for hyperspectral image analysis https://doi.org/10.1016/B978-0-444-63977-6.00007-9
A. De Juan, A. Gowen, L. Duponchel, C. Ruckebusch, Image Fusion https://doi.org/10.1016/B978-0-444-63984-4.00011-9
[3] http://www.mcrals.info/

### *nell'ambito delle attività del PhD Course in*
### *Models and Methods for Material and Environmental Sciences*

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