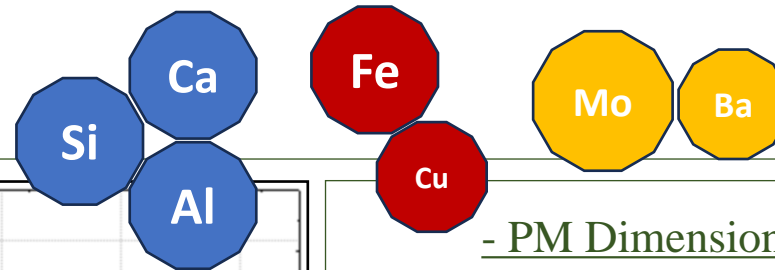# Elemental profiling of **PM10** in **Yerevan**: *F. excelsior* and *P. orientalis* leaves as bioindicators

- *Fraxinus* and *Platanus* leaves sampling

- 4 districts, 3 micro-environments

- **Park** / **Street** / **Industrial**

- PM characterization→SEM/EDX

- PM Density, Composition, Dimensions
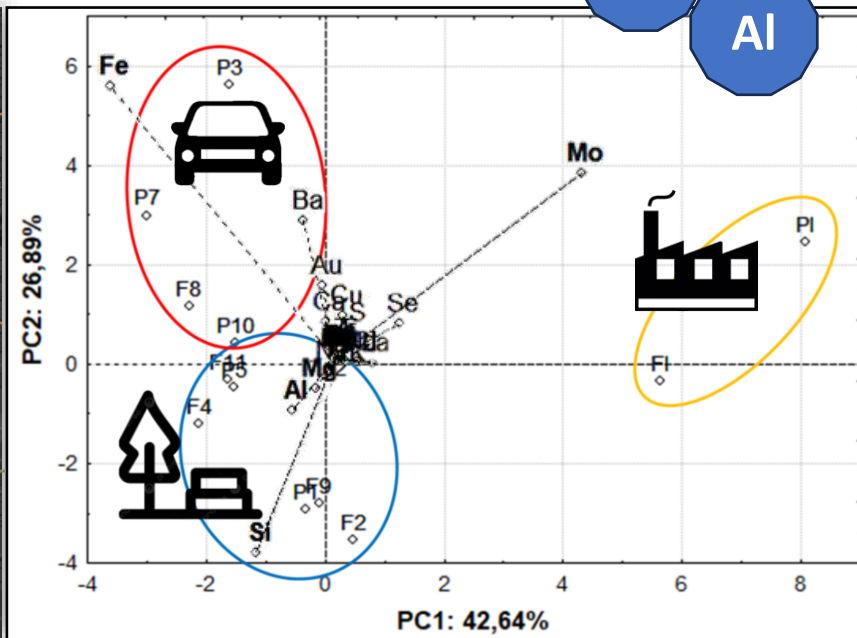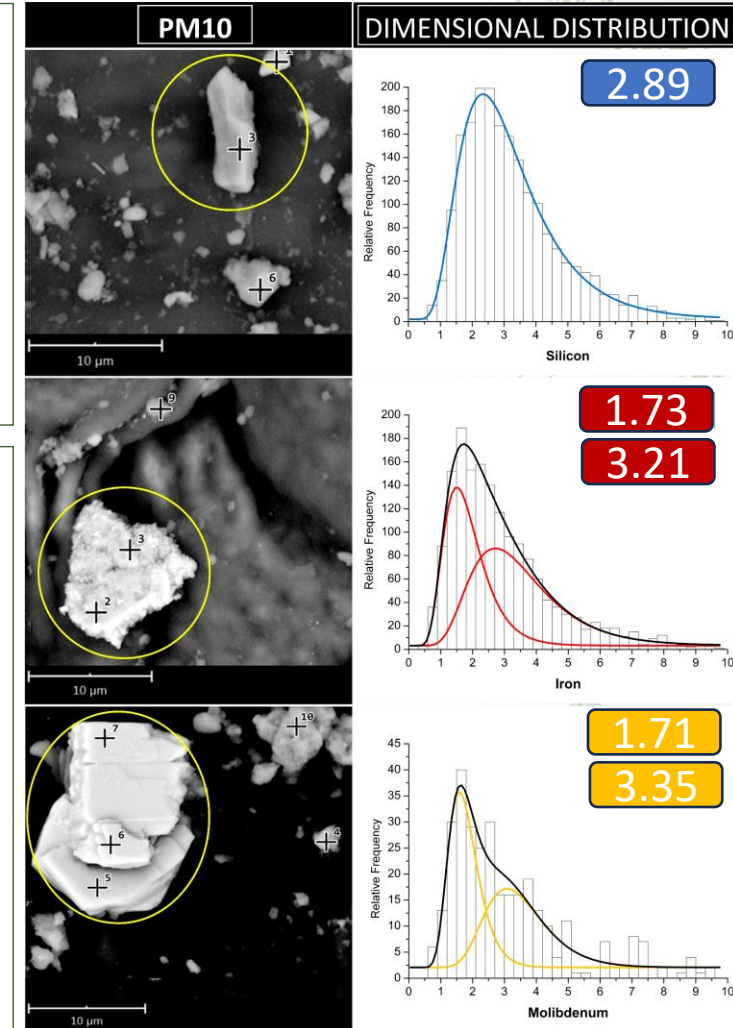
RESULTS and EVIDENCES

- PM Density: not significant differences

- PM Composition: **Significant differences**

Si Ca Al Fe Cu Mo Ba

- PM Dimensions:

Significant relationship

Composition/Dimension,

Dimensional distribution

and source: **Mode Peaks**

for **Background**,

Street and **Industrial**

PM10

DIMENSIONAL DISTRIBUTION

2.89

1.73
3.21

1.71
3.35

G. Sgrigna, C. Calfapietra, L.Khachatryan