The use of *Haloxylon scoparium* in traditional phytotherapy

**The aerial part of *Haloxylon scoparium***:
Therapeutic properties:
- Cancers

**Acute toxicity assessment Decocted and methanolic extract**:
(OECD, n°423)

**Clinical signs**:
- Reduced movement
- Anorexia

**Mortality rate**:
1/3 for each step of the experiment

*Haloxylon scoparium* is classified in category 5 which has a relatively low relatively low acute toxicity hazard (SGH)

**Phytotoxicity study (L. Sativum test)**:
- Aqueous extracts: Decocted, infused and macerated;
- Organic extracts: Methanolic extract, methanolic macerated extract, ethyl acetate extract, choroformic extract, petroleum ether extract;

**Chemical profile of the aerial part of *Haloxylon scoparium***:
- Total polyphenols;
- Total flavonoids;
- Catechic tannins;

**Correlation study**:
PCA

**Lepidium sativum phytotest**:
- Methanolic extract: (IC$_{50}$=128.16±3.89 µg/ml);
- Decocted: (IC$_{50}$=1359.00±106.69 µg/ml);

**Strong correlation between Lepidium sativum phytotest and total polyphenol (r=0.9453) and flavonoid (r=0.9884) composition.**