THE GENUS Monascus AS A SOURCE OF FOOD COLORANTS

Marta Argelaguet Genescà, June 2019

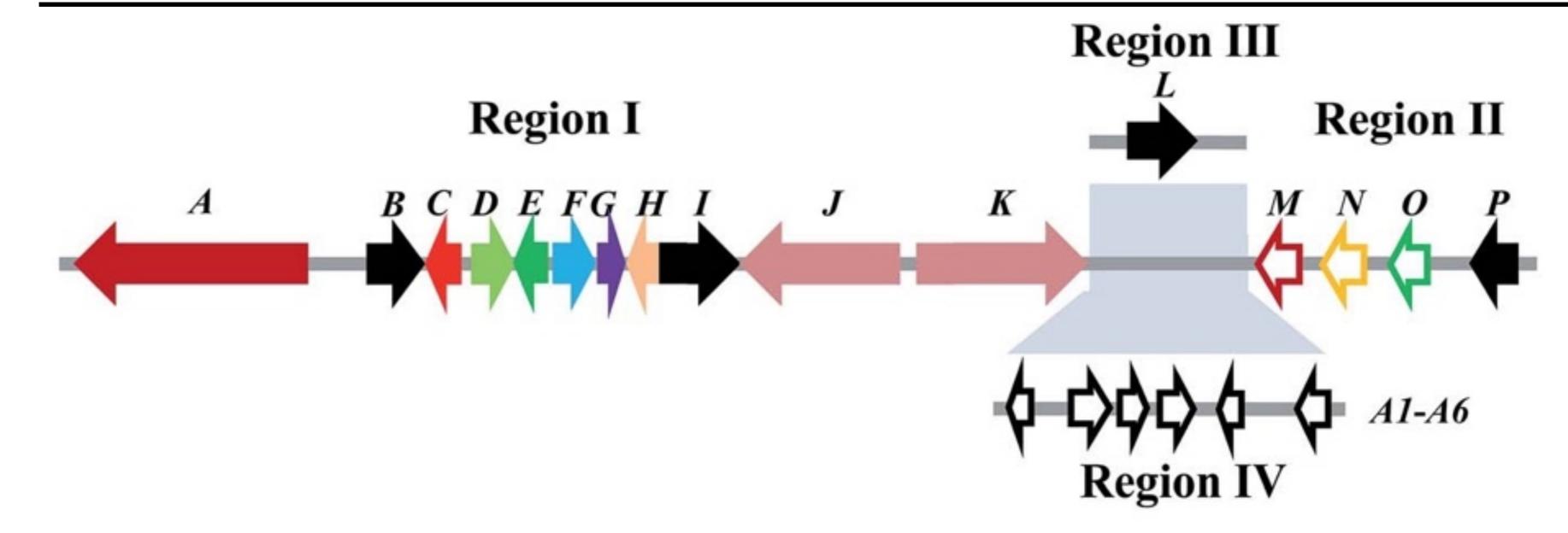
AIM

Make a review of the aspects involved in the perspective of using *Monascus* pigments (MP) at an industrial level, taking into account the the production of citrinin by *Monascus*, a mycotoxin.

INTEREST

Consumer demand
Extracellular production
No seasonality
High availability and efficiency
Variety of colours

GENE CLUSTER FOR THE PRODUCTION OF MP



BIOSYNTHESIS OF MP

Optimized cultures (Isalt] Random mutagenesis Transformation by protoplasts Random mutagenesis Transformation by protoplasts NaCI/(M) Days

CONCLUSIONS

The use of MP has a **great potential** but still more studies are needed to make its application viable, taking into account that de consumer wants **natural sources** without the use of genetically modified organisms (**GMOs**).

