

Between the restoration procedures, cleaning is particularly challenging since it requires the selective removal of very thin, unwanted layers without affecting the matrix.

Gels have been proposed so far to carry the solvent to the surface in a more controlled and selective way with the advantage of reducing the operator's exposure to the solvent release.

Several studies have been accomplished proposing green gels with formulations obtained with biopolymers and agar in combination with green solvents for the selective removal of different types of unwanted coatings from movable and immovable

paintings, metal objects, paper substrates, cinematographic movies to answer to the increasing demand related to the development of more sustainable restoration method..

Within the European Project GOGREEN and the National Italian Project Superstar new cleaning methods based on the use of electrospun materials as carriers of green gels and solvents are under examination with the aim of removing aged natural and synthetic varnishes from paintings, tarnishing from metals and vandalic acts from Street Art paintings.