



COST ACTION GREENERING – DATA COLLECTION

First name, Family Name: Maria Letizia RUELLO

Type (Academic or Industrial): Academic

Country: Italy (IT)

Leadership position in the COST: MC Member

Working Group in which you are involved: WG1, WG4

E-mail: m.l.ruello@univpm.it

Laboratory/Company: Università Politecnica delle Marche (UnivPM)

Laboratory/Company info (limited to 400 characters): UnivPM consists of 5 faculties, Engineering, Medicine & Surgery, Economics, Agriculture and Science. It is organized in 12 Departments for a total of 523 units among professors and fixed-term researchers. UnivPM is the head office of UniAdriatic, an association of universities and research centres of the Adriatic-Ionian area established in 2000 within the framework of the Adriatic-Ionian Initiative.

Link to the home page of the Laboratory/Company: www.univpm.it

Fields of expertise (limited to 400 characters):

- Development of sustainable materials for buildings
- Waste, industrial byproducts, sludge treatment-valorization-reuse
- Materials Science and Technologies
- Environmental Monitoring

5 Main publications or patents:

- [2016. Valorizing end-of-life LCD scraps after indium recovery.](https://doi.org/10.1002/pssc.201600122) DOI:10.1002/pssc.201600122. In *PHYSICA STATUS SOLIDI. C, CURRENT TOPICS IN SOLID STATE PHYSICS* - ISSN:1862-6351. Maria Letizia Ruello, Alessia Amato, Francesca Beolchini, Saveria Monosi
- 2017. *Influence of Binders and Lightweight Aggregates on the Properties of Cementitious Mortars: From Traditional Requirements to Indoor Air Quality Improvement.* DOI:10.3390/ma10080978. pp.978. In *MATERIALS* - ISSN:1996-1944 vol. 10 (8). GIOSUE' Chiara; PIERPAOLI Mattia; MOBILI Alessandra; RUELLO, Maria Letizia; TITTARELLI, Francesca
- 2019. *The effect of peat and wood fly ash on the porosity of mortar.* DOI:10.1016/j.conbuildmat.2019.06.228. pp.421-430. In *CONSTRUCTION AND BUILDING MATERIALS* - ISSN:0950-0618 vol. 223. Rissanen, Jouni; Giosué, Chiara; Ohenoja, Katja; Kinnunen, Paivo; Marcellini, Mirco; Maria Letizia Ruello, Francesca Tittarelli, Mirja Illikainen.
- 2019. *End-of-life liquid crystal display recovery: Toward a zero-waste approach.* DOI:10.3390/app9152985. pp.2985. In *APPLIED SCIENCES* - ISSN:2076-3417 vol. 9 (15). AMATO Alessia; BECCI Alessandro; MARIANI Paolo; CARDUCCI, Federica; RUELLO, Maria Letizia; MONOSI Saveria.



- [2020. Innovative hydraulic lime-based finishes with unconventional aggregates and TiO₂ for the improvement of indoor air quality. DOI:10.1051/mfreview/2020010. In MANUFACTURING REVIEW - ISSN:2265-4224 vol. 7. GIOSUE' Chiara; MOBILI Alessandra; CITTERIO Barbara; BIAVASCO Francesca; RUELLO Maria Letizia, TITTARELLI Francesca;](https://doi.org/10.1051/mfreview/2020010)

Collaborations:

- Double Degree PhD programme with University of Chemistry and Technology (UCT) Prague

Facilities:

- Research Center of Microscopy of Nanostructures (C.I.S.Mi.N)