

POSTER SESSION

**Monday 8th April,
Time: 18:30-19:00 h
Ground Floor of Rectorate**

Topic: Clean Environment

Order number	ID number	Authors	Title
P-1	ICGC-19-007	Rafael Carmona-Cabezas, Eduardo Gutiérrez de Ravé, Francisco J. Jiménez-Hornero	Application of complex networks to the description of ozone dynamics.
P.2	ICGC-19-037	Francisco Casares, Isabel M. Moreno-García, Luis M. Fernández-Ahumada	Indoor air quality in buildings: Monitoring with low-cost devices for risk prevention
P.3	ICGC-19-052	Milagros Lara de Williams	De la calidad en ambientes interiores al desarrollo sostenible
P-4	ICGC-19-072	Katarzyna Gładyszewska- Fiedoruk	Humidity, temperature and noise in conference rooms whit surveys
P-5	ICGC-19-073	Paulina Zielinko, Dorota Anna Krawczyk	Preliminary study on Indoor Air Quality in the Antenatal classes

Topic: Energy Source and Renewable Energy

Order number	ID number	Authors	Title
P-6	ICGC-19-013	Isabel Santiago, Emilio J. Palacios-Garcia, Isabel M. Moreno-Garcia, Rafael J. Real- Calvo, Víctor Pallarés-López,	Coverage of electricity demand through photovoltaic production in three types of buildings in the city of Cordoba (Spain)
P-7	ICGC-19-023	Isabel M. Moreno-García*, Rafael López-Luque**, Marta Varo-Martínez**, Víctor Pallares-Lopez*, Isabel Santiago*	Calibration and performance of two pyranometers placed on two-axis solar trackers of a photovoltaic plant
P-8	ICGC-19-033	José Ramírez-Faz, Marta M. Varo-Martínez, Francisco J. Casares, Luis Cámara	Photovoltaic technologies applied to water heating systems
P.9	ICGC-19-038	Luis M. Fernández-Ahumada, Isabel Moreno García, Javier Gómez-Uceda, Manuel Torres-Roldán	Monitoring photovoltaic facilities in buildings based on Internet of Things and communication using LoraWan technology

Topic: New Trends in Thermal Insulation for Energy Efficient Buildings Design

Order number	ID number	Authors	Title
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P-10	ICGC-19-003	Marta Braulio-Gonzalo, M. Dolores Bovea, Pablo Juan and Andrea Jorge	Significance of variables on real measured energy consumption of residential stocks
P-11	ICGC-19-005	Patricia Aguilera Benito, Sheila Varela Lujan	Climate control demand analysis in a dwelling with passives strategies: energy simulation.
P-12	ICGC-19-020	José Antonio Entrenas, José Ramón Jiménez	Effect of internal skin-panels metal framework in the ventilated façades insulation
P-13	ICGC-19-032	José Ramírez-Faz, Javier Gómez-Uceda, Rafael López-Luque	Quantification of natural light use in facades
P-14	ICGC-19-039	Marta M. Varo-Martínez, José Ramírez-Faz, Rafael López-Luque, Luis M. Fernández-Ahumada	Study of two variables associated with the radiative exchange of windows and the degree of visual comfort
P-15	ICGC-19-066	Diz-Mellado, Eduardo M; Galán-Marín, Carmen; Rivera-Gómez, Carlos	Impact of height/width proportions on the thermal comfort of courtyard typology for Spanish climate zones.
P-16	ICGC-19-067	Romero-Odero, José Antonio; Galán-Marín, Carmen and Rivera-Gómez, Carlos	Thermal performance evaluation in high school buildings: methodology calibration and case study analysis.
P-17	ICGC-19-069	Carmen Díaz-López, Juan Jesús de la Torre Bayo, Manuel Carpio, María Martín-Morales, Montserrat Zamorano	Mapeo científico de la evaluación de edificación sostenible

Topic: Advanced Construction Materials

Order number	ID number	Authors	Title
P-18	ICGC-19-024	Manuel Cabrera, Julia Rosales, Adela P. Galvín, Francisco Agrela*	New nanomaterials for soil stabilization in civil engineering
P-19	ICGC-19-028	Pedro Raposeiro da Silva, Luís Evangelista	Using graphene oxide as means of improvement of concrete: a brief review
P-20	ICGC-19-029	Sergio Martínez-Martínez, Luis Pérez-Villarejo, Pedro Javier Sánchez-Soto, Dolores Eliche-Quesada	Eco-cement clinker design valorizing wastes from different industries
P-21	ICGC-19-041	E. Bonet-Martínez, L. Pérez-Villarejo, D. Eliche-Quesada	Inorganic geopolymers synthesized using black clay as precursors based on kaolinite system
P-22	ICGC-19-042	E. Bonet-Martínez*, C. López-Mora, L. Pérez-Villarejo, D. Eliche-Quesada	Alkali-activated materials formulated from olive grove biomass fly ash
P-23	ICGC-19-056	Mercedes Sánchez, Fabiano Tavares, Ruben Beltrán	Colloidal nanosilica as advanced external repair method for concrete structures
P-24	ICGC-19-068	S. Mobili, C. Galán Marín, C. Rivera Gómez	Raw earth applied to modern masonry construction systems: proposal of an innovative exterior enclosure

Topic: Circular Economy

Order number	ID number	Authors	Title
P-25	ICGC-19-001	T. Barroqueiro, P.R. da Silva and J. de Brito	High performance self-compacting concrete with recycled aggregates from the precast industry
P-26	ICGC-19-002	Carolina Piña Ramírez, Mercedes del Río Merino, Alejandra Vidales Barriguete	Durability of cement mortars with architectural residues insulated from mineral wool
P-27	ICGC-19-008	Ana Isabel Torres-Gómez, Enrique F. Ledesma, José María Fernández, José Ramón Jiménez	Influence of different chemical admixtures on cement base mortar properties
P-28	ICGC-19-009	Enrique F. Ledesma*, Angélica Lozano-Lunar, José Ramón Jiménez, José María Fernández, Ruan L. S. Ferreira	Possible use of fine recycled concrete aggregates in the immobilization of electric arc furnace dust (EAFD)
P-29	ICGC-19-014	Marcos A. S. Anjos; Evilane C. Farias; Ruan L. S. Ferreira; Cinthia M. Perdeneiras	Analysis of mechanical properties and durability of self-compacting concrete with mineral additions
P-30	ICGC-19-015	Javier Tavira*, José Ramón Jiménez*, Jesús Ayuso, Antonio Jesús González-Barrios, Enrique F. Ledesma, Antonio López-Uceda	Bike lane made with Screening wastes and mixed recycled aggregates from CDW
P-31	ICGC-19-016	Javier Tavira*, José Ramón Jiménez, Jesús Ayuso, Antonio López-Uceda, María José Sierra, Enrique F. Ledesma	Paved road section built with construction and demolition waste mixed with excavation soil
P-32	ICGC-19-017	Enrique Cano Jódar ; Javier Mesas Carrascosa	Determinación de la Repetibilidad y Reproducibilidad de las Soluciones proporcionadas por una Red Geodésica Activa. Aplicaciones en la Construcción
P-33	ICGC-19-018	Pilar Muñoz-Moreno, Antonio López-Uceda, Enrique Fernández-Ledesma, Lorenzo Salas-Morera*, José Ramón Jiménez*.	Estimation of the physical-mechanical properties of recycled aggregates from their components
P-34	ICGC-19-019	Antonio López-Uceda, Pilar Muñoz-Moreno, Enrique Fernandez-Ledesma, José Ramón Jiménez*.	Effect of composition of mixed recycled aggregates on physical-mechanical properties.
P.35	ICGC-19-021	Angélica Lozano-Lunar, Pedro Raposeiro da Silva, Jorge de Brito, José María Fernández, José Ramón Jiménez	Feasible use of Electric Arc Furnace Dust as a secondary raw material in self-compacting mortar production.
P-36	ICGC-19-027	Sofía Jurado-Contreras, M. Dolores La Rubia, Dolores Eliche-Quesada	Characterization of mortars containing rubber from tyres out of use



International Conference on GREEN CONSTRUCTION

P-37	ICGC-19-031	Luca Tefa, Paola Palmero, Marco Bassani	Multiscale Laboratory Investigation into Geopolymerized Construction and Demolition Waste Aggregates in Structural Road Pavement Layers
P-38	ICGC-19-036	Luisa Molina Sampedro, Carmen Martínez García, Teresa Cotes Palomino, F^o. A. Corpas Iglesias	Aplicación de la Economía Circular en la valorización de lodos de depuración de EDAR y papelera para la obtención de ladrillos sostenibles
P-39	ICGC-19-044	Pietro A. Vaccaro, Adela P. Galvin*, Antonio López-Uceda, Jesús Ayuso	A state-of-the-art review on use of macro plastic fibres in concrete
P-40	ICGC-19-047	João Pacheco, Jorge de Brito, Carlos Chastre, Luís Evangelista	From 150 mm cubic to $\Phi 150$ mm x 300 mm cylindrical compressive strength of coarse recycled aggregate concrete specimens
P-41	ICGC-19-048	Catarina Brazão Farinha, Jorge de Brito and Rosário Veiga	Incorporation of GFRP waste in mortars
P-42	ICGC-19-049	Cinthia Maia Pederneiras, Maria do Rosário Veiga, Jorge de Brito	Rendering cementitious mortars with natural fibres waste
P-43	ICGC-19-050	Margarida Braga Maia*, Jorge de Brito, Isabel M. Martins, José Silvestre	Toxicity of recycled concrete aggregates: Leaching tests
P-44	ICGC-19-051	Henry a. Blanco S, Aura Navas	Uso del agua reciclada en una planta venezolana de concreto premezclado. Hacia la economía circular.
P-45	ICGC-19-055	Íñigo López Boadella; Fernando López Gayarre; Jesús Suárez González; Carlos López-Colina Pérez; Miguel Serrano López; José Manuel Gómez-Soberón.	Properties of ultra-high performance concrete made with granite cutting waste
P-46	ICGC-19-057	Antonio López-Uceda*, Jesús Ayuso, José Ramón Jiménez-Romero, Antonio Jesús González	Application of Mixed Recycled Aggregates in concrete for bike line ditches
P-47	ICGC-19-064	Jose L. Sánchez-Jiménez, Sofía Jurado-Contreras, M. Dolores La Rubia, Dolores Eliche-Quesada	Study of the Applicability of Fly Ashes from Olive Pomace Combustion and GeoSilex [®] in Sustainable Construction Materials
P-48	ICGC-19-074	A. Lozano-Lunar*, E. Dubchenko, A.Rodero, J.R. Jiménez, J.M. Fernández and S. Bashynskyi	Performance of self-compacting mortars made with granite sludge waste as supplementary siliceous material.
P-49	ICGC-19-077	Stefany Alcívar Bastidas, M^a José Martínez-Echevarría Romero	Difference between treated abaca fibers in cementitious mortar
P-50	ICGC-19-078	Alejandra Vidales Barriguete, Mercedes del Río Merino, Evangelina Atanes Sánchez, Carolina Piña Ramírez, Aránzazu Galán González	Thermal behaviour of plaster compounds with plastic cables waste additive



P-51	ICGC-19-079	Julia Rosales*, Manuel Cabrera, Adela P. Galvín, Ester Quirós, Juan Almagro, Francisco Agrela*	Stainless steel slag waste. From waste to raw material for the manufacture of self-compacting concrete
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