



Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Nicolaides
Name:	Demetris
Rank/Position:	Associate Professor
School:	Engineering
Department:	Civil Engineering
Scientific Domain:	Structural Materials- Specialization: UHPFRCCs

Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2004	Cardiff University	Civil Engineering	Fracture and Fatigue of CARDIFRC
MSc	2001	Cardiff University	Civil Engineering	Performance Monitoring of Cogan Viaduct
BSc	1999	National Technical University of Athens	Civil Engineering	Υπόγειες Κατασκευές από Οπλισμένο Σκυρόδεμα

Employment history in Academic Institutions/Research Centers

Period of employment		Employer	Location	Position
From	To			
2020	present	Frederick University	Nicosia	Associate Professor
2015	2020	Frederick University	Nicosia	Assistant Professor
2007	2015	Frederick University	Nicosia	Lecturer
2006	2007	Economou Architects and Engineers	Paralimni	Head of Civil Engineering Section
2005	2006	Ministry of Communications and Works	Nicosia	Consultant Engineer

Key refereed journal papers, monographs, books, conference publications etc.						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2019	Valorisation of Glass Wastes for the Development of Geopolymer Composites- Durability, Thermal and Microstructural Properties: A Review	Luhar, S., Cheng, T-W., Luhar, I., Pantias, D. and Sakkas, K.	Journal of Construction and Building Materials	222	673-687
2	2019	Valorisation of glass waste for development of Geopolymer composites –Mechanical properties and rheological characteristics: A review	Luhar, S., Cheng, T-W., Luhar, I., Pantias, D. and Sakkas, K.	Journal of Construction and Building Materials	220	547-564
3	2018	Internal curing for mitigating high temperature concreting effects	Savva, P., Petrou, M.	Journal of Construction and Building Materials	179	598-604
4	2017	Basic Aspects of Natural Radioactivity	Kovler, K., Friedmann, H., Michalik, B., Schroeyers, W., Tsapalov, A., Antropov, S., Bituh, T.	“Naturally Occurring Radioactive Materials in Construction”, Elsevier	978-0-08-102009-8	
5	2017	From Raw Materials to NORM By-Products	Kovacs, T., Bator, G., Schroeyers, W., Labrincha, J., Puertas, F., Hegedus, M., Sanjua'n, M.A., Krivenko, P., Grubes̃a, I.N., Sas, Z., Michalik, B., Anagnostakis, M., Barisic, I., Nuccetelli, C., Trevisi, R., Croymans, T., Schreurs, S., Todorovic, N., Vaiciukyniene, D., Bistrickaite, R., Tkaczyk, A., Kovler, K., Wieggers, R., Doherty	Appears in the book “Naturally Occurring Radioactive Materials in Construction”, Elsevier	ISBN: 978-0-08-102009-8	
6	2016	High absorptive normal weight aggregates used as internal curing agents to reduce hot weather	Savva, P., Petrou, M.	Journal of Key Engineering Materials	711	420-427

		concreting and curing detrimental effects				
7	2015	Life Cycle Assessment of concrete manufacturing in small isolated states: the case of Cyprus	Chrysostomou, C., Kylili, A., Fokaides, P.	International Journal of Sustainable Energy	9	
8	2015	Experimental Field Investigation of Impact and Blast Load Resistance of Ultra High Performance Fibre Reinforced Cementitious Composites (UHPFRCCs)	Kanellopoulos, A., Savva, P., Petrou, M.	Journal of Construction and Building Materials	95	566-574
9	2015	Development of a new Ultra High Performance Fibre Reinforced Cementitious Composite (UHPFRCC) for impact and blast protection of structures	Kanellopoulos, A., Petrou, M., Savva, P., Mina, A.	Journal of Construction and Building Materials	95	667-774
10	2015	Modelling the Flexural Behaviour of Ultra High Performance Fibre Reinforced Cementitious Composite (UHPFRCC) with FEM	Markou, G.	Journal of Engineering Structures	99	653-665
11	2014	Mechanical and durability properties of concretes containing recycled lime powder and recycled aggregates	Kanellopoulos, A., Petrou, M.	Journal of Construction and Building Materials	53	
12	2009	Mechanical and Fracture Properties of Cement-Based Bi-Materials after Thermal Cycling	Kanellopoulos, A., Farhat, F.A., Karihaloo, B.L.	Journal of Cement and Concrete Research	39	1087-1094
13	2010	Behaviour of RC beams retrofitted with CARDIFRC after thermal cycling	Kanellopoulos, A., Farhat, F.A., Karihaloo, B.L.	Journal of Materials in Civil Engineering	DOI: 10.1061/_ASCE_M T.1943 - 5533.000008	21-28
14	2010	Fatigue Life and Self-Induced Volumetric Changes of CARDIFRC	Kanellopoulos, A., Karihaloo, B.L.	Magazine of Concrete Research	62(9)	679-683

15	2007	CARDIFRC® - Performance and application to retrofiting	Kanellopoulos, A., Farhat, F.A., Karihaloo, B.L.	Journal of Engineering Fracture Mechanics	74	151-167
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Research Projects				
Ref. Number	Date	Title	Funded by	Project Role
1	2020	Development of an Innovative Insulation Fire Resistant Façade from the Construction and Demolition Waste	Cyprus Research & Innovation Foundation	Project Coordinator
2	2020	Center of Innovative Solutions for Building Safety - ISTOS Center of Excellence	H2020-WIDESPREAD-2018-2020	Research Team Member
3	2019	Recycled Aggregates for the Production of Concrete	Cyprus Research & Innovation Foundation	Scientific Coordinator
4	2019	Valorization of Diabase Mud for the Development of Innovative Building Materials	Cyprus Research & Innovation Foundation	Scientific Coordinator
5	2017	Invalor 101 - A network for joint valorization of material flows in tourist areas	Interreg V-B Balkan – Mediterranean	Research Team Member
6	2019	Initial Evaluation of the Performance of Saturated Aggregates in Concrete	Cyprus Research & Innovation Foundation	Project Coordinator
7	2011	Mix Design, Mechanical Properties and Impact Resistance of UHPFRCCs	Cyprus Research Promotion Foundation	Project Coordinator
8	2012	The Square Mile Retrofit Project	Eracobuild, Cyprus Research Promotion Foundation	Research Team Member
9	2012	Whole Life Management of Sustainable Construction	Lifelong Learning Programme, Leonardo da Vinci Transfer of Innovation	Research Team Member
10	2013	Urban Greening Systems for the Mediterranean Region	Leonardo da Vinci Transfer of Innovation	Research Team Member

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2013 - today	Cyprus Organisation for Standardisation	Chair of the National Technical Sub-Committee for Eurocode 2 (Concrete Structures)	Coordinate group activities