



Academic Personnel Short Profile / Short CV

University:	Cyprus University of Technology
Surname:	Menelaou
Name:	Melita
Rank/Position:	Special Teaching Staff
Faculty:	Geotechnical Sciences and Environmental Management
Department:	Chemical Engineering
Scientific Domain: *	Advanced (Nano)Materials for Technological and Biomedical Applications

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD in Chemical Engineering	2009	Aristotle University of Thessaloniki	Chemical Engineering	
Diploma (BSc+Msc) in Chemical Engineering	2004	Aristotle University of Thessaloniki	Chemical Engineering	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
09/2020	Present	Cyprus University of Technology	Cyprus	Special Teaching Staff
07/2017	07/2020	CEITEC - Central European Institute of Technology, BUT - Brno University of Technology	Czechia	Senior Researcher

05/2015	03/2017	WPI-Advanced Institute of Materials Research (WPI-AIMR) Tohoku University	Japan	Research Associate
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Key <u>refereed</u> journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2022	“Oleic acid/oleylamine ligand pair in nanoparticle synthesis”.	S. Mourdikoudis, <u>M. Menelaou</u> , N. F. Maneiro, G. Zheng, J. Pérez-Juste, S. Wei, L. Polavarapu, and Z. Sofer	Nanoscale Horizons, Royal Society of Chemistry	7	941
2	2022	“The effect of Ni or Co additions on the structure of Zr ₆₀ Cu ₃₀ Al ₁₀ bulk metallic glass revealed by high-energy synchrotron radiation”.	M. E. Stiehler, N. T. Panagiotopoulos, D. S. Keeble, <u>M. Menelaou</u> , M. R. Jolly, A. L. Greer, and K. Georgarakis	Materials Today Communications, Elsevier	31	103531
3	2022	“Recent Progress in Metal-Incorporated Acyclic Schiff-base”.	B. D. Nath, M. M. Islam, S. Rahman, M. A. A. Shaikh, P. E. Georghiou and <u>M. Menelaou</u>	ChemistrySelect, Wiley-VCH	7	e202104290
4	2022	Structural speciation in chemical reactivity profiling of binary-ternary systems of Ni(II) with iminodialcohol and aromatic chelators	S. Matsia, A. Kaoulla, <u>M. Menelaou</u> , A. Hatzidimitriou, T. Papadopoulos, M. K. Reimann, R. Pöttgen and A. Salifoglou	Polyhedron, Elsevier	212	115577
5	2021	Development of calix[4]arenes modified at their narrow- and wider-rims as potential metal ions sensor layers for microcantilever sensors: further studies	P. E. Georghiou, S. Rahman, Y. Assiri, <u>M. Menelaou</u> , A. N. Alodhayb, M. Braim, and L. Y. Beaulieu	Canadian Journal of Chemistry, NRC Research Press	100	144

6	2020	“Effects of anodizing conditions and the addition of Al ₂ O ₃ /PTFE particles on the microstructure and the mechanical properties of porous anodic coatings on the AA1050 aluminium alloy”.	M. Remešová, S. Tkachenko, D. Kvarda, I. Ročňáková, B. Gollas, <u>M. Menelaou</u> , L. Čelko, and J. Kaiser	Applied Surface Science, Elsevier	513	145780
7	2019	“Rare-earth Zirconate Ln ₂ Zr ₂ O ₇ (Ln: La, Nd, Gd and Dy) Powders, Xerogels and Aerogels: Preparation, Structure and Properties”	J. Torres-Rodríguez, V. Gutierrez-Cano, <u>M. Menelaou</u> , J. Kastyl, J. Cihlář, S. Tkachenko, J. A. González, J. Kalmár, I. Fábán, I. Lázár, L. Čelko, and J. Kaiser	Inorganic Chemistry, American Chemical Society	58	14467
8	2019	“Heat Treatment Induced Phase Transformations in Zirconia and Ytria-Stabilized Zirconia Monolithic Aerogels”	J. Torres-Rodríguez, J. Kalmár, <u>M. Menelaou</u> , L. Čelko, K. Dvořák, J. Cihlář, J. Jr Cihlař, J. Kaiser, E. Győri, P. Veres, I. Fábán and I. Lázár	The Journal of Supercritical Fluids, Elsevier	149	54
9	2017	“ π -electron $S = \frac{1}{2}$ quantum spin-liquid state in an ionic polyaromatic hydrocarbon”	Y. Takabayashi, <u>M. Menelaou</u> , H. Tamura, N. Takemori, T. Koretsune, A. Štefančíč, G. Klupp, A. J. C. Burma, Y. Nomura, R. Aria, D. Arson, M. J. Rosseinsky and K. Prassides	Nature Chemistry, Springer Nature	9	635
10	2016	“Multiscale Study of Mononuclear Coll SMMs based on Curcuminoid Ligands”	R. Díaz-Torres, <u>M. Menelaou</u> , A. Sorrenti, G. Brandariz-de Pedro, E. C. Sañudo, O. Roubeau, S. J. Teat, J. Fraxedas, E. Ruiz and N. Aliaga-Alcalde	Chemical Science, Royal Society of Chemistry	7	2793

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
	12/2021	From dysfunction of the blood-cerebrospinal fluid barrier to neuroinflammation and Alzheimer's disease, an integrative study	Czech Science Foundation	Work Package Leader
	06/2021	High-Temperature superconductivity for accelerating the energy transition	COST (European Cooperation in Science and Technology) Action CA19108	Cyprus Representative
	07/2018	Next generation of plasma sprayed thermal and environmental barrier coatings: powder materials synthesis, multilayer coatings processing and performance testing	Research Funding Program: European Structural and Investment Funds Operational Programme Research, Development & Education	Project Coordinator
	04/2015	Development of next-generation functional organic materials through the creation of 'Degenerate π -integrated solids'	Exploratory Research for Advanced Technology-ERATO	Research Associate
	01/2013	"Smart" magnetic nanoparticles probes for Magnetic Resonance Imaging	co-financed by the European Social Fund and Greek national funds through the Operational Program "Education and Lifelong Learning" of the National Strategic Reference Framework	Project Research Manager

	01/2012	Synthesis and characterization of multifunctional magnetic nanoparticles candidates for dual- modality in MRI/PET imaging	Research Committee of the Aristotle University of Thessaloniki	Project Coordinator
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**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
	09/2022 - Present	Cyprus University of Technology	Member of the Hybrid Working Group on Shaping and Improving Culture among Staff	Recommendations and Proposals to the University community as well as Administrative employees for improving working relations, building trust and mutual respect
	09/2021 - Present	Cyprus University of Technology	Department Representative on the Senate Equality Committee	Implementation of the decisions of the Senate Equality Committee in the Department
	06/2021 - Present	European University of Technology (EUT+)	Member of the Apprenticeship and Lifelong Learning Work Package (WP 3)	Encouraging and supporting Lifelong Learning among the partner universities of the European University of Technology alliance
	03/2021 - Present	Cyprus University of Technology	Member of the Departmental Safety and Health Committee	Follow the Safety and Health Rules for common (or non) laboratory areas according to the instructions of the University and the Public Safety and Health Agencies
	11/2020 - Present	Parallel Parliament of Cyprus	Member of the Parliament for the Environment, Ecology- Sustainability and Health (Division)	Proposals, Ideas and Answers to Questions to/from Public Services and Organizations, on Environmental and Sustainability issues

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
	2022	Outside Front Cover	Journal: Nanoscale Horizons, Royal Society of Chemistry (IF=11.7)
	2022	Editorial Board Member	International Journal of Agriculture, Engineering Technology and Social Sciences (IJAETSS), USA
	2022	Editorial Board Member	Algerian Journal of Engineering and Technology (AJET)
	2021	Guest Editor – Special Issue: Aerogel Hybrids & Nanocomposites	Journal: Gels, MPDI (IF=4.4)
	2019	Editorial Board Member	SCIREA (Science Research Association), Journal of Materials
	2018	Staff Teaching Mobility	Erasmus+ to teach the course “Advanced Materials - From the Nano to the Bulk” [Faculty of Applied Chemistry & Materials Science, University Politehnica of Bucharest, Romania]
	2018	Seal of Excellence	European Commission - the institution managing Horizon 2020, the EU framework programme for research & innovation 2014-2020
	2017	Nature Chemistry News & Views	“News & Views” article by R. Valenti & S. M. Winter – “ Synthesis successes ”, Nature Chemistry (Springer, Nature)

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Key Activities:

Σύντομο Προφίλ Ακαδημαϊκού Προσωπικού / Σύντομο Βιογραφικό Σημείωμα

Πανεπιστήμιο:	Τεχνολογικό Πανεπιστήμιο Κύπρου
Επίθετο:	Μενελάου
Όνομα:	Μελίτα
Βαθμίδα/Θέση:	Ειδικό Εκπαιδευτικό Προσωπικό
Σχολή:	Γεωτεχνικών Επιστημών και Διαχείρισης Περιβάλλοντος
Τμήμα:	Χημικών Μηχανικών
Επιστημονικό Πεδίο: *	Προηγμένα (Νανο)υλικά με Τεχνολογικές και Βιοϊατρικές Εφαρμογές

* Εξειδίκευση

Ακαδημαϊκά Προσόντα / Τίτλοι Σπουδών (οι καταχωρήσεις να γίνουν αρχίζοντας από τον πιο υψηλό τίτλο)

Ακαδημαϊκός Τίτλος	Έτος	Ίδρυμα	Τμήμα	Τίτλος Διατριβής (Καταχωρείται προαιρετικά)
Διδάκτωρ Χημικός Μηχανικός	2009	Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης	Χημικών Μηχανικών	
Διπλωματούχος Χημικός Μηχανικός	2004	Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης	Χημικών Μηχανικών	

Ιστορικό Εργοδότησης σε Ακαδημαϊκά Ιδρύματα/Ερευνητικά Κέντρα – να καταχωρηθούν οι τρεις (3) πιο πρόσφατες

Περίοδος Εργοδότησης		Εργοδότης	Τόπος	Θέση
Από	Μέχρι			
09/2020	Παρόν	Τεχνολογικό Πανεπιστήμιο Κύπρου	Κύπρος	Ειδικό Εκπαιδευτικό Προσωπικό
07/2017	07/2020	CEITEC - Central European Institute of Technology, BUT - Brno University of Technology	Τσεχία	Senior Researcher

05/2015	03/2017	WPI-Advanced Institute of Materials Research (WPI-AIMR) Tohoku University	Ιαπωνία	Research Associate
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Κύρια άρθρα σε επιστημονικά περιοδικά με κριτές, μονογραφίες, βιβλία, εκδόσεις συνεδρίων. Να καταχωρηθούν τα πέντε (5) πιο πρόσφατα και άλλα πέντε (5) επιλεγμένα – (μέγιστος αρ. δέκα (10))						
A/A	Έτος	Τίτλος	Άλλοι συγγραφείς	Επιστημονικό Περιοδικό και Εκδότης / Συνέδριο	Τόμος	Σελ.
1	2022	“Oleic acid/oleylamine ligand pair in nanoparticle synthesis”.	S. Mourdikoudis, <u>M. Menelaou</u> , N. F. Maneiro, G. Zheng, J. Pérez-Juste, S. Wei, L. Polavarapu, and Z. Sofer	Nanoscale Horizons, Royal Society of Chemistry	7	941
2	2022	“The effect of Ni or Co additions on the structure of Zr ₆₀ Cu ₃₀ Al ₁₀ bulk metallic glass revealed by high-energy synchrotron radiation”.	M. E. Stiehler, N. T. Panagiotopoulos, D. S. Keeble, <u>M. Menelaou</u> , M. R. Jolly, A. L. Greer, and K. Georgarakis	Materials Today Communication, Elsevier	31	103531
3	2022	“Recent Progress in Metal-Incorporated Acyclic Schiff-base”.	B. D. Nath, M. M. Islam, S. Rahman, M. A. A. Shaikh, P. E. Georgiou and <u>M. Menelaou</u>	ChemistrySelect, Wiley-VCH	7	e202104290
4	2022	Structural speciation in chemical reactivity profiling of binary-ternary systems of Ni(II) with iminodialcohol and aromatic chelators	S. Matsia, A. Kaoulla, <u>M. Menelaou</u> , A. Hatzidimitriou, T. Papadopoulos, M. K. Reimann, R. Pöttgen and A. Salifoglou	Polyhedron, Elsevier	212	115577
5	2021	Development of calix[4]arenes modified at their narrow- and wider-rims as potential metal ions sensor layers for microcantilever sensors: further studies	P. E. Georgiou, S. Rahman, Y. Assiri, <u>M. Menelaou</u> , A. N. Alodhayb, M. Braim, and L. Y. Beaulieu	Canadian Journal of Chemistry, NRC Research Press	100	144

6	2020	"Effects of anodizing conditions and the addition of Al ₂ O ₃ /PTFE particles on the microstructure and the mechanical properties of porous anodic coatings on the AA1050 aluminium alloy".	M. Remešová, S. Tkachenko, D. Kvarda, I. Ročňáková, B. Gollas, <u>M. Menelaou</u> , L. Čelko, and J. Kaiser	Applied Surface Science, Elsevier	513	145780
7	2019	"Rare-earth Zirconate Ln ₂ Zr ₂ O ₇ (Ln: La, Nd, Gd and Dy) Powders, Xerogels and Aerogels: Preparation, Structure and Properties"	J. Torres-Rodríguez, V. Gutierrez-Cano, <u>M. Menelaou</u> , J. Kastyl, J. Cihlář, S. Tkachenko, J. A. González, J. Kalmár, I. Fábíán, I. Lázár, L. Čelko, and J. Kaiser	Inorganic Chemistry, American Chemical Society	58	14467
8	2019	"Heat Treatment Induced Phase Transformations in Zirconia and Ytria-Stabilized Zirconia Monolithic Aerogels"	J. Torres-Rodríguez, J. Kalmár, <u>M. Menelaou</u> , L. Čelko, K. Dvořák, J. Cihlář, J. Jr Cihlař, J. Kaiser, E. Győri, P. Veres, I. Fábíán and I. Lázár	The Journal of Supercritical Fluids, Elsevier	149	54
9	2017	"π-electron S = ½ quantum spin-liquid state in an ionic polyaromatic hydrocarbon"	Y. Takabayashi, <u>M. Menelaou</u> , H. Tamura, N. Takemori, T. Koretsune, A. Štefančíč, G. Klupp, A. J. C. Burma, Y. Nomura, R. Aria, D. Arson, M. J. Rosseinsky and K. Prassides	Nature Chemistry, Springer Nature	9	635
10	2016	"Multiscale Study of Mononuclear Coll SMMs based on Curcuminoid Ligands"	R. Díaz-Torres, <u>M. Menelaou</u> , A. Sorrenti, G. Brandariz-de Pedro, E. C. Sañudo, O. Roubeau, S. J. Teat, J. Fraxedas, E. Ruiz and N. Aliaga-Alcalde	Chemical Science, Royal Society of Chemistry	7	2793

Ερευνητικά Projects. Να καταχωρηθούν τα πέντε (5) πιο πρόσφατα και άλλα πέντε (5) επιλεγμένα – (μέγιστος αρ. δέκα (10))

A/A	Ημερομηνία	Τίτλος	Επιχορήγηση Από:	Ρόλος στο Ερευνητικό Projects *
	12/2021	From dysfunction of the blood-cerebrospinal fluid barrier to neuroinflammation and Alzheimer's disease, an integrative study	Czech Science Foundation	Συντονίστρια Ερευνητικής Ομάδας
	06/2021	High-Temperature superconductivity for accelerating the energy transition	COST (European Cooperation in Science and Technology) Action CA19108	Μέλος Ερευνητικής Ομάδας
	07/2018	Next generation of plasma sprayed thermal and environmental barrier coatings: powder materials synthesis, multilayer coatings processing and performance testing	Research Funding Program: European Structural and Investment Funds Operational Programme Research, Development & Education	Επιστημονική Συντονίστρια
	04/2015	Development of next-generation functional organic materials through the creation of 'Degenerate π-integrated solids'	Exploratory Research for Advanced Technology-ERATO	Μέλος Ερευνητικής Ομάδας
	01/2013	"Smart" magnetic nanoparticles probes for Magnetic Resonance Imaging	co-financed by the European Social Fund and Greek national funds through the Operational Program "Education and Lifelong Learning" of the National Strategic Reference Framework	Project Research Manager

	01/2012	Synthesis and characterization of multifunctional magnetic nanoparticles candidates for dual- modality in MRI/PET imaging	Research Committee of the Aristotle University of Thessaloniki	Επιστημονική Συντονίστρια
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**Ρόλος στο Ερευνητικό Project: πχ Επιστημονικός Συντονιστής, Μέλος Ερευνητικής Ομάδας, Ερευνητής, Βοηθός Ερευνητής, άλλα.*

Ακαδημαϊκές Συμβουλευτικές Υπηρεσίες ή/και Συμμετοχή σε Συμβούλια / Επιτροπές - Να καταχωρηθούν οι πέντε (5) πιο πρόσφατες (Καταχωρούνται προαιρετικά)

A/A	Περίοδος	Οργανισμός	Τίτλος Θέσης ή Υπηρεσίας	Κύριες Δραστηριότητες
	09/2022 - Παρόν	Τεχνολογικό Πανεπιστήμιο Κύπρου	Μέλος της Υβριδικής Ομάδας Εργασίας με Θέμα τη Διαμόρφωση και Βελτίωση Κουλτούρας μεταξύ του Προσωπικού	Εισηγήσεις και Προτάσεις προς όλη την Πανεπιστημιακή κοινότητα καθώς και τους Διοικητικούς υπαλλήλους για βελτίωση των σχέσεων εργασίας, κτίσιμο εμπιστοσύνης και αμιγούς άμιλλας
	09/2021 - Παρόν	Τεχνολογικό Πανεπιστήμιο Κύπρου	Εκπρόσωπος Τμήματος στην Συγκλητική Επιτροπή Ισότητας	Γνωστοποίηση και εφαρμογή αποφάσεων της Συγκλητικής Επιτροπής Ισότητας στο Τμήμα
	06/2021 - Παρόν	European University of Technology (EUT+)	Member of the Apprenticeship and Lifelong Learning Work Package (WP 3)	Ενθάρρυνση και υποστήριξη της Δια Βίου Μάθησης μεταξύ των συνεργαζόμενων πανεπιστημίων της συμμαχίας European University of Technology
	03/2021 - Παρόν	Τεχνολογικό Πανεπιστήμιο Κύπρου	Μέλος της Τμηματικής Επιτροπής Ασφάλειας και Υγείας	Παρακολούθηση των Κανόνων Ασφάλειας και Υγείας για κοινόχρηστους (ή μη) εργαστηριακούς χώρους σύμφωνα με τις οδηγίες του Πανεπιστημίου και των Δημόσιων Φορέων Ασφάλειας και Υγείας

	11/2020 - Παρόν	Παράλληλη Βουλή της Κύπρου	Μέλος της Βουλής για το Περιβάλλον, την Οικολογία-Αειφορία και την Υγεία	Προτάσεις, Ιδέες και Απαντήσεις σε Ερωτήματα προς/από Δημόσιες Υπηρεσίες και Οργανισμούς, σε θέματα Περιβάλλοντος και Αειφορίας
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Βραβεύσεις / Διεθνείς Διακρίσεις (όπου εφαρμόζεται). Να καταχωρηθούν οι πέντε (5) πιο πρόσφατες και άλλες πέντε (5) επιλεγμένες – (μέγιστος αρ. δέκα (10) (Καταχωρούνται προαιρετικά)			
Ref. Number	Date	Title	Awarded by:
	2022	Outside Front Cover	Journal: Nanoscale Horizons, Royal Society of Chemistry (IF=11.7)
	2022	Editorial Board Member	International Journal of Agriculture, Engineering Technology and Social Sciences (IJAETSS), USA
	2022	Editorial Board Member	Algerian Journal of Engineering and Technology (AJET)
	2021	Guest Editor – Special Issue: Aerogel Hybrids & Nanocomposites	Journal: Gels, MPDI (IF=4.4)
	2019	Editorial Board Member	SCIREA (Science Research Association), Journal of Materials
	2018	Staff Teaching Mobility	Erasmus+ to teach the course “Advanced Materials - From the Nano to the Bulk” [Faculty of Applied Chemistry & Materials Science, University Politehnica of Bucharest, Romania]
	2018	Seal of Excellence	European Commission - the institution managing Horizon 2020, the EU framework programme for research & innovation 2014-2020
	2017	Nature Chemistry News & Views	“News & Views” article by R. Valenti & S. M. Winter – “Synthesis successes” , Nature Chemistry (Springer, Nature)

Άλλες Διακρίσεις. Να καταχωρηθούν οι πέντε (5) πιο πρόσφατες και άλλες πέντε (5) επιλεγμένες (μέγιστος αρ. δέκα (10) (Καταχωρούνται προαιρετικά)

A/A	Ημερομηνία	Τίτλος	Κύριες Δραστηριότητες