

## Postgraduate Programme Places for the Academic Year 2021/2022

### Eight (8) PhD Programs:

A/A	Research Interests	Supervisor	Email	Tel Nbr
1	Amphiphilic Polymer Conetworks for Energy Applications – Gel Polymer Electrolytes for Lithium Ion Batteries (possible funding from research project).	Professor Costas Patrickios	costasp@ucy.ac.cy	22892768
2	Amphiphilic Polymer Conetworks for Applications in Health – Polymeric Supports for Tissue Engineering (possible funding from research project).	Professor Costas Patrickios	costasp@ucy.ac.cy	22892768
3	Chemical Behavior and Mobility of Redoxsensitive Metals in Geological Matrices	Professor Ioannis Pashalidis	pspasch@ucy.ac.cy	22892785
4	Computational Design and Organic Synthesis of Small Molecules for Incorporation in 3rd Generation Organic Solar Cells	Professor Panayiotis Koutentis	koutenti@ucy.ac.cy	22892783
5	Design, Synthesis and Medicinal Chemical Evaluation of Heterocycles with Anti-Cancer Properties	Professor Panayiotis Koutentis	koutenti@ucy.ac.cy	22892783
6	Design, Synthesis and Medicinal Chemical Evaluation of Heterocycles with Anti-Alzheimer Properties	Professor Panayiotis Koutentis	koutenti@ucy.ac.cy	22892783
7	Design, Synthesis and Characterisation of Neutral and Metal Complexed Organic Magnets	Professor Panayiotis Koutentis	koutenti@ucy.ac.cy	22892783
8	Discovery and Development of New Reactions and Synthesis Methodologies for Heterocyclic Chemistry	Professor Panayiotis Koutentis	koutenti@ucy.ac.cy	22892783
9	Synthesis and Study of new Molecule-Based Magnetic Materials (This position can also be changed into a Master's position)	Professor Anastasios Tasiopoulos	atasio@ucy.ac.cy	22892765
10	Metal-Organic Frameworks as Materials for Environment and Energy - Related Applications (This position can also be changed into a Master's position)	Professor Anastasios Tasiopoulos	atasio@ucy.ac.cy	22892765
11	Use of Metal Organic Frameworks in waste water treatment (This position can also be changed into a Master's position)	Professor Anastasios Tasiopoulos	atasio@ucy.ac.cy	22892765
12	Synthesis and Study of PbS hybrid Quantum dots for Optoelectronic Devices	Lecturer Sotirios Christodoulou	christodoulou.sotirios@ucy.ac.cy	22892762
13	Synthesis of Novel Colloidal Quantum dots for NIR lasing	Lecturer Sotirios Christodoulou	christodoulou.sotirios@ucy.ac.cy	22892762

14	Design and Synthesis of Supramolecular Structures Utilizing Fullerene C <sub>60</sub> and Azafullerene C <sub>59</sub> N as Molecular Building Blocks	Assoc. Prof. Nikos Chronakis	nikos.chronakis@ucy.ac.cy	22892781
15	Structure, function and dynamics of biomolecules (This position can also be changed into a Master's position)	Assoc. Prof. Eftychia Pinakoulaki	effiep@ucy.ac.cy	22892782
16	Spectroscopic and chromatographic studies in Food Chemistry topics (This position can also be changed into a Master's position)	Assoc. Prof. Eftychia Pinakoulaki	effiep@ucy.ac.cy	22892782
17	Sensing and removal of heavy metal ions from water using novel selective hybrid organosilicate materials	Professor Anastasios Keramidas	akeramid@ucy.ac.cy	22892764
18	New quinone/hydroquinone metal complexes for the catalytic conversion of H <sub>2</sub> O/O <sub>2</sub> to H <sub>2</sub> O <sub>2</sub> and the construction of aqueous photosynthetic solar cells	Professor Anastasios Keramidas	akeramid@ucy.ac.cy	22892764

### **Two (2) Master Program:**

A/A	Research Interests	Supervisor	Email	Tel Nbr
1	Amphiphilic Polymer Conetworks for Energy Applications – Gel Polymer Electrolytes for Lithium Ion Batteries (possible funding from research project).	Professor Costas Patrickios	costasp@ucy.ac.cy	22892768
2	Amphiphilic Polymer Conetworks for Applications in Health – Polymeric Supports for Tissue Engineering (possible funding from research project).	Professor Costas Patrickios	costasp@ucy.ac.cy	22892768
3	Computational Design and Organic Synthesis of Small Molecules for Incorporation in 3rd Generation Organic Solar Cells	Professor Panayiotis Koutentis	<a href="mailto:koutenti@ucy.ac.cy">koutenti@ucy.ac.cy</a>	22892783
4	Design, Synthesis and Medicinal Chemical Evaluation of Heterocycles with Anti-Cancer Properties	Professor Panayiotis Koutentis	<a href="mailto:koutenti@ucy.ac.cy">koutenti@ucy.ac.cy</a>	22892783
5	Design, Synthesis and Medicinal Chemical Evaluation of Heterocycles with Anti-Alzheimer Properties	Professor Panayiotis Koutentis	<a href="mailto:koutenti@ucy.ac.cy">koutenti@ucy.ac.cy</a>	22892783
6	Design, Synthesis and Characterisation of Neutral and Metal Complexed Organic Magnets	Professor Panayiotis Koutentis	<a href="mailto:koutenti@ucy.ac.cy">koutenti@ucy.ac.cy</a>	22892783
7	Discovery and Development of New Reactions and Synthesis Methodologies for Heterocyclic Chemistry	Professor Panayiotis Koutentis	<a href="mailto:koutenti@ucy.ac.cy">koutenti@ucy.ac.cy</a>	22892783
8	Synthesis of Iron Oxide nanocrystals for biological applications	Lecturer Sotirios Christodoulou	christodoulou.sotirios@ucy.ac.cy	22892762

9	Synthesis of wide band gap colloidal nanomaterials for 5G technologies	Lecturer Sotirios Christodoulou	christodoulou.sotirios@ucy.ac.cy	22892762
10	Design and Synthesis of Hexakis Adducts of Fullerene C <sub>60</sub> as Cannabinoid Carriers and Drug Delivery Systems	Assoc. Prof. Nikos Chronakis	nikos.chronakis@ucy.ac.cy	22892781
11	Remote Steric Isotope Effects due to Deuterium Labeling in "ene" Reactions of Alkenes with Electrophilic Reagents (1O <sub>2</sub> , PTAD)	Assoc. Prof. Nikos Chronakis	nikos.chronakis@ucy.ac.cy	22892781
12	Application of the NMR spectroscopy in the detection of functional molecules in food	Professor Anastasios Keramidas	akeramid@ucy.ac.cy	22892764

For further information, contact the Co-ordinator of the postgraduate programme: Associate Professor Eftychia Pinakoulaki, Tel.: 22 892782, email: [effiep@ucy.ac.cy](mailto:effiep@ucy.ac.cy), the President of the Department: Associate Professor Constantina Kapnissi - Christodoulou, Tel.: 22 892774, email: [ckapni1@ucy.ac.cy](mailto:ckapni1@ucy.ac.cy). Secretary of Department Mrs Elena Aristotelous email: [aristotelous.elena@ucy.ac.cy](mailto:aristotelous.elena@ucy.ac.cy), Tel.: 22 892780.

For General information please visit the link below:

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**Submission deadline: Monday, 1<sup>st</sup> November 2021**