

Myrto Kalofonou

Chemical Engineer

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Date/Place of Birth: 1994/Athens

Address: Nicosia, Cyprus

LABORATORY SKILLS

- Advanced knowledge of Physicochemical Analysis (XRD, DTA-TG, FT-IR, Optical Microscopy, MIP, etc.)
- On site non-destructive measurements (FOM, infrared camera, GPR, ultra-sonic testing, etc.)

COMPUTER SKILLS

- Advanced knowledge of MS Office (Word, Excel, PowerPoint, MS Project)
- Moderate knowledge: ArcGIS
- Basic knowledge of COMSOL Multiphysics, Python 3.8, Fortran, Mathcad

SOFT SKILLS

- Analytical, Communication, Organizational Skills
- Problem Solving Skills
- Team worker, imaginative, methodical, passionate

LANGUAGES

- Greek (native)
- English (fluent, C2)
- French (conversational, Delf B2)

VOLUNTEER WORK

- Annual Research's Night NTUA: Research Volunteer
- 'Open Laboratories': education action for the 100 year anniversary of the Chemical Engineering department of NTUA
- ARCHELON The Sea Turtle Protection Society of Greece
- 3rd Half Marathon of Athens

An energetic, motivated and fast-learning individual specializing in material science. She has participated in projects concerning the conservation and protection of monuments and has experience in the characterization of historic mortars and plasters as well as the design, preparation and evaluation of lime-based restoration mortars and plasters.

EDUCATION

University of Cyprus 2021-Present

PhD candidate: "Sampling, characterisation and reproduction of historic plasters from Cyprus with special emphasis on hydraulic lime plasters", (Early Stage Research Fellow for the Marie Skłodowska-Curie Innovative Training Network PlaCe)

National Technical University of Athens 2017-2019

M.Sc.: "Protection of Monuments"- Direction of "Materials and Conservation Interventions" GPA: **9,42/10,00** (Top of the class)

Master Thesis: 'Characterization of historic mortars from the Holy Aedicule of the Holy Sepulchre in Jerusalem and investigation of possible restoration mortars'

National Technical University of Athens 2012-2017

Department of Chemical Engineering GPA: **8,50/10,00** (Top 20% of class) Specializing in Material Science

PROFESSIONAL EXPERIENCE

Research Assistant at NCSR "DEMOKRITOS" Sep 2020-Jul 2021

- Implemented aligned CNT growth on different types of membrane substrates via CVD for gas separation and characterization of membranes
- Designed and implemented a new CVD control system, problem solving and researching weak spots in the design or process

PARTICIPATION IN RESEARCH PROJECTS (edited)

PlaCe-ITN: Training the next generation of archaeological scientists: Interdisciplinary studies of pre-modern Plasters and Ceramics from the eastern Mediterranean, 2021-Present

CARMOF: New process for efficient CO₂ capture by innovative adsorbents based on modified carbon nanotubes and MOF materials, 2020

Implementation of a diagnostic research program on the current status of the Temple of Apollo in the Acropolis of Rhodes and exploration of alternative material and maintenance and restoration interventions, 2018 (University)

PUBLICATIONS-ACHIEVEMENTS (edited)

• "A study regarding the historical materials of the Pythian Apollo Temple in Rhodes for the design and selection of appropriate restoration materials", Heritage, 2019

• Digital Exhibition Of Advanced Technology, "Tomb Of Christ: The Monument And The Project", Byzantine and Christian Museum

• "Study of the historical mortars of the Holy Aedicule as a basis for the design, application and assessment of repair mortars: A multispectral approach applied on the Holy Aedicule", Construction and Building Materials, 2018

CONFERENCES-CERTIFICATIONS-LICENCES (edited)

• LinkedIn Learning: ReGeneration Soft Skills Training Path, 2020

• Microscopy Techniques: Theory and Applications, NCSR, 2019

• "Safeguarding the Values of the European Cultural Heritage", ICOMOS' Hellenic conference, 2018

• Inception Athens Course, TEE-TCG, 2017