

## ΠΛΗΡΟΦΟΡΙΕΣ

Γραφείο: Γ.201B  
Τηλέφωνο: +30 210 772 3103  
E-mail: [klabrop@central.ntua.gr](mailto:klabrop@central.ntua.gr)

## ΣΥΝΤΟΜΟ ΒΙΟΓΡΑΦΙΚΟ

**Θέση:** Ε.Δι.Π. (Α' βαθμίδα) στο Εργαστήριο Επιστήμης και Τεχνικής των Υλικών

**Γνωστικό αντικείμενο:** Επιστήμη και Τεχνική των Δομικών Υλικών

### Σπουδές:

- Δίπλωμα Χημικού Μηχανικού, Ε.Μ.Π. Σχολή Χημικών Μηχανικών, 1994
- Μεταπτυχιακό Δίπλωμα Ειδίκευσης - Master of Science in Engineering (MSE), Princeton University, Η.Π.Α.: Department of Civil Engineering and Operations Research, 1997
- Μεταπτυχιακό Δίπλωμα Ειδίκευσης - Master of Science (MSc), Rutgers the State University of New Jersey, Η.Π.Α.: Dept. Ceramic & Materials Engineering, 1999
- Διδακτορικό Δίπλωμα - Doctor of Philosophy (PhD), Rutgers the State University of New Jersey, USA: Dept. Ceramic and Materials Engineering, 2001

### Επιλεγμένες Δημοσιεύσεις:

- Labropoulos, K.C., Niesz, D.E., Danforth, S.C. Kevrekidis, P.G. "Dynamic rheology of agar gels: theory and experiments. Part I. Development of a rheological model", *Carbohydrate Polymers*, 50 [4] (2002) 393-406. [DOI: [https://doi.org/10.1016/s0144-8617\(02\)00084-x](https://doi.org/10.1016/s0144-8617(02)00084-x)]
- Labropoulos, K.C., Niesz, D.E., Danforth, S.C., Kevrekidis, P.G. "Dynamic rheology of agar gels: theory and experiments. Part II: Gelation behavior of agar sols and fitting of a theoretical rheological model", *Carbohydrate Polymers*, 50 [4] (2002) 407-415. [DOI: [https://doi.org/10.1016/s0144-8617\(02\)00085-1](https://doi.org/10.1016/s0144-8617(02)00085-1)]
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- Μοροπούλου, Α., Labropoulos, K.C., Delegou, E.T., Karoglou, M., Bakolas, A. "Non-Destructive Techniques as a tool for the protection of Built Cultural Heritage", *Construction and Building Materials*, 48 (2013) 1222-1239. [DOI: <https://doi.org/10.1016/j.conbuildmat.2013.03.044>]
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- Lampropoulos, K.C., Moropoulou, A., Korres, M. "Ground penetrating radar prospection of the construction phases of the Holy Aedicula of the Church of the Holy Sepulchre, in correlation with architectural analysis", *Construction and Building Materials*, 155 (2017) 307–322. [DOI: <https://doi.org/10.1016/j.conbuildmat.2017.08.044>]
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- Alexakis, Emm., Delegou, E.T., Lampropoulos, K.C., Apostolopoulou, M., Ntoutsis, I., Moropoulou, A. "NDT as a monitoring tool of the works progress and the assessment of

materials and rehabilitation interventions at the Holy Aedicule of the Holy Sepulchre”, *Construction and Building Materials*, 189 (2018) 512-526. [DOI: <https://doi.org/10.1016/j.conbuildmat.2018.09.007>]

- Moropoulou, A., Korres, M., Georgopoulos, A., Spyrakos, C., Mouzakis, Ch., Lampropoulos, K.C., Apostolopoulou, M. “The Project of the Rehabilitation of Holy Sepulchre’s Holy Aedicule as a Pilot Multispectral, Multidimensional, Novel Approach Through Transdisciplinarity and Cooperation in the Protection of Monuments”, in *Transdisciplinary Multispectral Modeling and Cooperation for the Preservation of Cultural Heritage*, eds. Moropoulou A., Korres M., Georgopoulos A., Spyrakos C., Mouzakis C., Springer, Communications in Computer and Information Science, vol 961. (2019) 3-25. [DOI: [https://doi.org/10.1007/978-3-030-12957-6\\_1](https://doi.org/10.1007/978-3-030-12957-6_1)]
- Doulamis, A., Lambropoulos, K., Kyriazis, D. , Moropoulou, A. “Resilient Eco-Smart Strategies and Innovative Technologies to Protect Cultural Heritage”, in *Transdisciplinary Multispectral Modeling and Cooperation for the Preservation of Cultural Heritage*, eds. Moropoulou A., Korres M., Georgopoulos A., Spyrakos C., Mouzakis C., Springer, Communications in Computer and Information Science, vol 961. (2019) 376-384. [DOI: <https://doi.org/10.1080/15583058.2019.1690076>]
- Moropoulou, A., Lampropoulos, K., Sotiropoulos, P., Papageorgiou, Chr. “The Plaka Bridge in Epirus: Ground penetrating radar prospection of surviving parts of the collapsed bridge, to provide structural information for its reconstruction”, in *Nondestructive Evaluation and Monitoring Technologies, Documentation, Diagnosis and Preservation of Cultural Heritage*, Eds. A. Osman and A. Moropoulou. Springer, SPM (2019) 91-106. [DOI: [https://doi.org/10.1007/978-3-030-25763-7\\_7](https://doi.org/10.1007/978-3-030-25763-7_7)]
- Moropoulou, A., Lampropoulos, K., Vythoulka, A. “The riverside roads of Culture as a tool for the Development of Aitoloakarnania”, *Heritage*, 4 (2021) 3823–3847. [DOI: <https://doi.org/10.3390/heritage4040210>]

#### **Επαγγελματικές Ενώσεις:**

- Μέλος του Τεχνικού Επιμελητηρίου της Ελλάδας, από το 1994
- Μέλος του Πανελληνίου Συλλόγου Χημικών Μηχανικών, από το 1994

## CONTACT INFORMATION

Office: Γ.201B  
Phone: +30 210 772 3103  
E-mail: [klabrop@central.ntua.gr](mailto:klabrop@central.ntua.gr)

## SHORT CV

**Job Position:** Laboratory Teaching Staff (grade A) at the Laboratory of Materials Science and Engineering

**Scientific Field:** Science and Engineering of Building Materials

### Studies:

- Diploma, Chemical Engineer (M.Eng.), NTUA, School of Chemical Engineering , 1994
- Master of Science in Engineering (MSE), Princeton University, USA: Department of Civil Engineering and Operations Research, 1997
- Master of Science (MSc), Rutgers the State University of New Jersey, USA: Dept. Ceramic & Materials Engineering, 1999
- Doctor of Philosophy (PhD), Rutgers the State University of New Jersey, USA: Dept. Ceramic and Materials Engineering, 2001

### Selected Publications:

- Labropoulos, K.C., Niesz, D.E., Danforth, S.C. Kevrekidis, P.G. "Dynamic rheology of agar gels: theory and experiments. Part I. Development of a rheological model", *Carbohydrate Polymers*, 50 [4] (2002) 393-406. [DOI: [https://doi.org/10.1016/s0144-8617\(02\)00084-x](https://doi.org/10.1016/s0144-8617(02)00084-x)]
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- Doulamis, A., Lambropoulos, K., Kyriazis, D. , Moropoulou, A. “Resilient Eco-Smart Strategies and Innovative Technologies to Protect Cultural Heritage”, in *Transdisciplinary Multispectral Modeling and Cooperation for the Preservation of Cultural Heritage*, eds. Moropoulou A., Korres M., Georgopoulos A., Spyrakos C., Mouzakis C., Springer, Communications in Computer and Information Science, vol 961. (2019) 376-384. [DOI: <https://doi.org/10.1080/15583058.2019.1690076>]
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#### **Professional Associations:**

- Member of the Technical Chamber of Greece, since 1994
- Member of Hellenic Association of Chemical Engineers, since 1994