

Short CV

Name	Eleni Pavlidou
Position	Professor, Physics Department, AUTH
Studies	<ul style="list-style-type: none"> • PhD in Physics, AUTH, 1990 • M.Sc.in Electronic Physics (Radioelectrology), AUTH (1987) • Degree In Physics (1982)
Scientific Experties	<ul style="list-style-type: none"> • Study of electronic properties of materials. • Stoichiometric analysis and morphological characterization of materials by Scanning Electron Microscopy. • Surface and coating studies, before and after chemical processes with Scanning Electron Microscopy. • Study of polymers and nanocomposite polymers with Scanning Electron Microscopy. • Study of traditional materials and cultural heritage materials.
Research Activities	<ul style="list-style-type: none"> • Head of the Interdepartment Laboratory of Scanning Electron Microscopy. • Participation in 28 scientific research programs. • 224 publications in international scientific journals • 156 publications in international conference volumes • 94 publications in volumes of local conference proceedings • 3 chapters in international books
Recent Publications	<ul style="list-style-type: none"> • Surface modification of aluminium alloy by a silver nanoparticle-doped coating and examination of anticorrosion protection Prospathopoulos, A., Pavlidou, E., Michailidis, N. Defect and Diffusion Forum, 2020, 404 DDF, pp. 85–92 • Long-term behavior and durability of alkali-activated clay mortars Karozou, A., Konopisi, S., Pavlidou, E., Stefanidou, M. Materials, 2020, 13(17), 3790 • Morphological and geochemical characterization of the particulate deposits and the black crust from the Triumphal Arch of Galerius in Thessaloniki, Greece: Implications for deterioration assessment Samara, C., Melfos, V., Kouras, A, Karali, E, Zacharopoulou, G., Kyranoudi, M., Papadopoulou, L., Pavlidou, E.. Science of the Total Environment, 2020, 734, 139455 • Graphene-wrapped copper nanoparticles: An antimicrobial and biocompatible nanomaterial with valuable properties for medical uses V. Vasilopoulos, M. Pitou, I Fekas, R. Papi, A. Ouranidis, E. Pavlidou, P. Patsalas, and T. Choli-Papadopoulou ACS Omega, 2020, 5(41), pp. 26329–26334 • Water extraction residue from maize milling by-product as a potential functional ingredient for the enrichment with fibre of cakes A. Paraskevopoulou,, I Anagnostaraa, G. Bezatia, T. Rizoua, E. Pavlidou, E. Vouvoudic, V. Kiosseogloua LWT - Food Science and Technology, 129, 2020, 109604. • Structure and thermoelectric properties of higher manganese silicides synthesized by pack cementation Teknetzi, A., Tarani, E, Symeou, E, Karfaridis, D, Stathokostopoulos, D., Pavlidou, E, Kyratsi, T, Hatzikraniotis, E, Chrissafis, K, Vourlias, GCeramics International, 2021, 47(1), pp. 243–251 • Aspects on carbides transformations of Fe-based hardfacing deposits Chaidemenopoulos, N.G. ,Psyllaki, P.P. ,Pavlidou, E. ,Vourlias, G. Surface and Coatings Technology, Volume 357 (2019), p. 651-661. • Structure Differentiation of Hydrophilic Brass Nanoparticles Using a Polyol Toolbox Antonoglou, O., Founta,E, Karagkounis, V, Pavlidou, E, Litsardakis, G, Mourdikoudis, S, Thanh, N Thi Kim, Dendrinou-Samara, C Frontiers in chemistry Vol. 7 (2019); p. 817.