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Curriculum Vitae

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Academic Titles

- B.Sc. in Chemistry, 1987, Chemistry Department, University of Ioannina
- PhD, 1992, Chemistry Department, University of Ioannina (title: Catalytic activity characterization of perovskite-type oxides $La_{2-x}Sr_xNiO_4$ and relative forms supported on various supports)

Research Interests

- Hybrid organic-inorganic nanocomposites for packaging applications. Synthesis / structure characterization. Investigation of antimicrobial, mechanical and barrier properties.
- Geographic origin of agricultural products via isotopic ratio of stable isotopes estimation.
- Preparation and characterization of mixed oxides catalysts. Catalytic activity studies of reactions with environmental interest.
- Development of porosity's characterization methods

Reviewer in International Journals

- ✓ Applied Catalysis A: General
- ✓ Applied Catalysis B: Environmental
- ✓ Langmuir
- ✓ Journal Applied Polymer Science
- ✓ Composite Science and Technology
- ✓ Journal Composite Materials
- ✓ New Journal of Chemistry
- ✓ Microporous & Mesoporous Materials
- ✓ Journal of Polymer Research
- ✓ Materials Chemistry & Physics
- ✓ Catalysis Communications
- ✓ Reaction Kinetics Mechanisms & Catalysis
- ✓ Energy & Fuels
- ✓ Chemical Communications
- ✓ RCS-Advances

- ✓ Ceramics International
- ✓ Industrial & Engineering Chemistry Research
- ✓ Journal of Materials Chemistry A
- ✓ Carbohydrate Polymers
- ✓ PCCP
- ✓ ACS Sustainable Chemistry & Engineering
- ✓ International Journal of Biological Macromolecules
- ✓ Polymers
- ✓ Progress in Organic Coatings
- ✓ Food Hydrocolloids
- ✓ Journal of Physics and Chemistry of Solids
- ✓ Npj Science of Food
- ✓ Food Control
- ✓ Materials
- ✓ Trends in Food Science & Technology
- ✓ Journal of Consumer Protection and Food Safety
- ✓ Food Chemistry
- ✓ Materials Today Communications
- ✓ Foods
- ✓ Molecules
- ✓ Nanomaterials

Publications in peer reviewed International Journals

1. "Comparative study of the solid state and catalytic properties of $La_{2-x}Sr_xNiO_{4-\lambda}$ perovskites (x=0.00 to 1.50) prepared by the nitrate and citrate method." A.K.Ladavos and P.J.Pomonis, J. Chem. Soc Faraday Trans., 87(19), 3291-3297, 1991.
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9. "Surface Characteristics and Catalytic Activity of Al-Pillared (AZA) and Fe-Al-Pillared (FAZA) Clays for isopropanol Decomposition", A.K.Ladavos, P.N.Trikalitis and P.J.Pomonis, Journal of Molecular Catalysis, A:Chemical, 106 (1996) 241-254.

10. "Mechanistic aspects of NO+CO reaction on $La_{2-x}Sr_xNiO_{4-\delta}$ (x=0.00-1.50) perovskite-type oxides". A.K.Ladavos and P.J.Pomonis, Applied Catalysis, A:General, 165 (1997), 73-85.

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